



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
**Department of Economics**

**Program Outcome and Program Specific Outcome**

B.A. Economics (Hons) | Academic Year: 2018-19

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**PROGRAM OUTCOMES**

**[PO.1]. Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

**[PO.2]. Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

**[PO.3]. Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

**[PO.4]. Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

**[PO.5]. Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

**[PO.6]. Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

**[PO.7]. Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

## **PROGRAM SPECIFIC OUTCOME**

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

# PROGRAM ARTICULATION MATRIX

SEMESTER	COURSE CODE	PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES														
		PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PSO 1	PSO 2	PSO 3
		1	2	3	4	5	6	7	8	9	10	11	12			
<b>I</b>	EO 1121	3	2	2	2	2	2									
	EO 1122	1		2			2	1						2	3	3
	EO 1123	3						3						2	3	2
	EO 1124	2						3						3	3	3
	EN 1112	3	3	3	3	1	3	3								
	EN 1101	2	2	1		1	1	1								
	PS 1101	2		2				2								
	PH 1101	2		2		2										
	PO 1101	2		3	1	1										
	MS 1103	2	3	2	3	3	3	3								
<b>II</b>	EO 1224	3	1	2			2	2						2		2
	EO 1225	3		3	2	2	3	2						1	2	2
	EO 1226	2					1	2								3
	EO 1227				2	2	3	3								
	CY 1120	3	2	3	2	3	3	3								
	VE 1201				3	3	1	2								
	EN 1202	2	2	2				1								
	PS 1202	2	3	3	2	1	1	3								
	PH 1202	3	3	1	1			1								
	PO 1202	3	3	1				1								
	MS 1204	2	3	3	2	2	1	3								
<b>III</b>	EO 1321	1	2		1	3		1						1	1	1
	EO 1322	2			1		1	2						2		3
	EO 1324	2	2	2	2	2	2	2						2	3	2
	EO 1325	3						1						1	3	2
	EN 1303	3	2	2	2	2		3								
	EN 1304	1	2		1	3		1								
	PS 1303	2		2				2								
	PS 1304	2		3	2	2	3	2								
	PH 1303	3	3	3	2	1	1	1								
	PH 1304	2	2	2												
	PO 1303			3	1	1										
	PO 1304	2		3	1	1										
	MS 1304	2		3	1	1										
	MS 1305	2	3	2	3	3	3	3								
<b>IV</b>	EO 1425	2	2	2	1	2	2	2						2	2	2
	EO 1426	2	3	2	2	2	1	2						2	2	2
	EO 1427	3	3	3	3	3	3								3	3
	EO 1428	2		2	3	2	3	1						1	1	3
	EN 1405	3	2	2		1	2	2								
	EN 1406	1		3	2	1	1	1								
	PS 1405	3		3	3	1	3	3								
	PS 1406	2		1	1	1	1	1								
	PH 1405		1	2	2	3	3									
	PH 1406	2		1	1	1	1	1								
	PO 1405	3		1	1	1	1	1								
	PO 1406	3	2	3	3	3	1	3								
	MS 1404	2	3	3	2	2	2	3								

V	MS I405	3	2	1	2	3	1	3								
	EO I521			2	2	1		1						2	2	2
	EO I522	2	1	1	1	1		1								
	EO I553	3	1	2	2	1								3	2	1
	EO I554	1		2			2	1						2	3	3
	EN I507		2					2								
	EN I508			2	1		2	2								
	PS I507	2			3	3	3	3								
	PS I508	2		3	2	2	3	2								
	PH I507		1	2	2	3	3									
	PH I508	2	3	3		3	1	1	1							
	PO I507	2			3	3	3	3								
	PO I508	2		3	1	1										
	MS I505	2	3	3	2	2	2	3								
	MS I506	3	3	2	2	3	3	3								
	VI	EO I623	2	1	1	1	1	1	1						1	1
EO I624		2	1	2	1	2	2	2						2	2	2
EO I653		1		2			2	1						2	3	3
EN I609		3	3	1	1	1	1									
EN I610		3		2	2	2		2								
PS I609		3		2	2			2								
PS I610		2	3	1	1	1	1	1								
PH I609		3	3	2	3	2	2	1								
PH I610		2	0	1	1	1	1	1								
PO I609		2		3												
PO I610		2			1											
MS I605		3	3	2	3	2	2	3								
MS I606		3	3	3	3	3	3	3								



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Micro Economic Theory-I | EO 1121 | 4 Credits | 3 | 0 | 4

**A. Introduction:** This course is offered by Dept. of Economics as core course, to give the students the insight to the concepts, principles and theories of microeconomics using verbal, graphical and simple mathematical techniques. The course aims to relate the specific facts and terminologies in the principles of microeconomics with the practical world problems, to enable students to discover and comprehend problems in the key areas using appropriate tools.

**B. Course Outcomes:** At the end of the course, students will be able to

- [1121.1] Relate the micro-economic theory concepts to the practical world.
- [1121.2] Understand and interpret the prevailing market conditions
- [1121.3] Analyse the demand-supply scenario; production and cost scenario
- [1121.4] Illustrate the problems and solution for social and economic welfare of the country
- [1121.5] Describe the efficient distribution patterns for sustainable economy.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

## E. SYLLABUS

**Introduction to Economics and Consumer Behaviour:** Nature scope and principles of economics; Methodology in economics; Scarcity and choice; choice by command and choice by market; the role of prices in a market economy. Meaning of Utility, Cardinal Utility Approach - Total and Marginal utility, law of diminishing marginal utility, Law of Equi-marginal utility, income and substitution effects; Ordinal Utility Approach, The consumption decision: preferences and their representation with indifference curves; budget constraints; consumer's optimum choice. Income Consumption Curve and price consumption curve, Price, substitution and income effect. **Theory of Demand and supply:** Demand and its determinants. Giffen Goods, Individual demand and supply schedules and derivation of market demand and supply; shifts in demand and supply curves; concept of elasticity and its application; Engel curve, Applications of demand and supply: price rationing, price floors, consumer and producer surplus. **Production, Cost and Market Behaviour:** Production: production functions, law of variable proportions, returns to scale; isoquant and isocost lines, cost minimizing equilibrium condition. short run and long run costs, revenue and profit maximizations, short run industry supply curve, economies and diseconomies of scale, economies of scope, long run adjustments. Price –output determination in case of perfect competition, monopoly.

## F. TEXT BOOKS

- H.L.Ahuja, *Advanced Economic Theory:Microeconomic Analysis*, S. Chand and Co. Limited, New Delhi, 2007
- P. Samuelson and Nordhaus, *Economics*, 19 th Edition, Tata McGraw-Hill, 2008.

## G. REFERENCE BOOKS

- C. E. Case and C. Ray, *Principles of Economics*, Pearson Education, Inc., 8<sup>th</sup> edition, 2007.
- N. G. Mankiw, *Economics: Principles and Applications*, Cengage Learning India Private Limited, 4<sup>th</sup> edition, 2007.
- J. E. Stiglitz and C. E. Walsh, *Economics*, W.W. Norton & Company, Inc., New York, International Student Edition, 4th edition, 2007

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Nature scope and principles of economics	Understand the basic pillar of economics	Lecture	NA	NA
2, 3	Methodology in economics; Scarcity and choice; choice by command and choice by market	Problem of choice	Lecture	1121.1	Mid Sem I, Assignment

4	The role of prices in a market economy	Market Mechanism	Case Study	1121.1	Mid Sem I, Assignment
5,6,7	Meaning of Utility, Cardinal Utility Approach - Total and Marginal utility, law of diminishing marginal utility, Law of Equi-marginal utility, income and substitution effects	Understand the generalization of Consumer Behaviour	Lecture	1121.1	Mid Sem I, Assignment
8,9,10,11,12	Ordinal Utility Approach, The consumption decision: preferences and their representation with indifference curves; budget constraints; consumer's optimum choice.	Understand the generalization of Consumer Behaviour	Lecture	1121.1	Mid Sem I, Assignment
13,14,15	Income Consumption Curve and price consumption curve, Price, substitution and income effect.	Understand the generalization of Consumer Behaviour	Lecture	1121.1	Mid Sem I, Assignment
14,15	Theory of Demand and supply: Demand and its determinants	Role of Demand & Supply in market	Case Study	1121.3	Mid Sem II, Assignment
16,17	Giffin Goods, Individual demand and supply schedules and derivation of market demand and supply	Role of Demand & Supply in market	Lecture	1121.3	Mid Sem II, Assignment
18	shifts in demand and supply curves	Changes in market demand & Supply	Lecture	1121.3	Mid Sem II, Assignment
19,20	Concept of elasticity and its Importance	Meaning & utility of Elasticity	Case Study	1121.3	Mid Sem II, Assignment
21,22,23	Engel curve, Applications of demand and supply: price rationing, price floors, consumer and producer surplus	Application of Elasticity concept	Lecture	1121.3	Mid Sem II, Assignment
24,25	Production: production functions; law of variable proportions, returns to scale	Theory of Production	Lecture, Case Study	1121.2	Mid Sem II, Assignment
26,27	Isoquant and isocost lines, cost minimizing equilibrium condition	Theory of Production	Lecture	1121.2	Mid Sem II, Assignment
28,29	Cobb Douglas Production function	Theory of Production	Lecture	1121.2	Mid Sem II, Assignment
30,31,32	Economies of Scale & Scope	Theory of Production	Lecture	1121.2	Mid Sem II, Assignment
33,34,35	Short run and long run costs, revenue and profit maximizations, short run industry supply curve,	Theory of Cost	Lecture, Case Study	1121.2	Mid Sem II, Assignment
36,37	Behaviour of firm in Perfect Competition	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment
38	Behaviour of firm in Duopoly	Market Behaviour (Theory of firm)	Lecture, Case Study		End Sem, Assignment

				1121.2	
39,40,41	Behaviour of firm in Oligopoly	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment
42,43	Behaviour of firm in Monopoly	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment
44,45	Natural Monopolies	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment
46,47	Price Discrimination	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment
48	Inefficient Firm / Market	Market Behaviour (Theory of firm)	Lecture, Case Study	1121.2	End Sem, Assignment

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO 1121.1	Relate the micro-economic theory concepts to the practical world.	1														
EO 1121.2	Understand and interpret the prevailing market conditions		1			2										
EO 1121.3	Analyse the demand-supply scenario; production and cost scenario.			2		1										
EO 1121.4	Illustrate the problems and solution for social and economic welfare of the country	3	2				2									
EO 1121.5	Describe the efficient distribution patterns for sustainable economy.				2		2									

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation





MANIPAL UNIVERSITY JAIPUR  
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Department of Economics  
Course Hand-out

Macro Economics Theory I | EO I 122| 4 Credits | 3 | 0 4

**A. Introduction:** This course aims to introduce the first year students to the basic concepts of macroeconomics. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments. It explores various possibilities emerging in an economy, and the role of policy in this context.

**B. Course Outcomes:** At the end of the course, students will be able to

[I 122.1] Understand the implications of interference in a market economy, including government policy

[I 122.2] Describe the basics of national income accounting

[I 122.3] Discuss the causes and consequences of business cycles

[I 122.4] Analyze the roles of fiscal and monetary policy in fighting recessions and inflation

[I 122.5] Apply economic reasoning to understand the operation of an economy

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

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[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

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[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

**E. SYLLABUS**

**Introduction to Macroeconomics and National Income Accounting** Basic issues studied in macroeconomics; measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy; balance of payments: current and capital accounts

**Money** Functions of money; quantity theory of money; determination of money supply and demand; credit creation; roles and objectives of central banks, qualities of effective central banks; tools of monetary policy

**Inflation** Inflation ; measurement of inflation; cost push & demand pull inflation; hyperinflation; disinflation; Phillips curve

**The Closed Economy in the Short Run** Classical and Keynesian systems; simple Keynesian model of income determination; Fiscal and monetary multipliers

**Macro - economic policy objectives** The centrality of growth; Difference between actual GDP and Potential GDP; Determinants of a country's growth- sources, measurement and sustainability of economic growth.

**F. TEXT BOOKS**

- Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 2010.
- H L Ahuja, *Macro Economics*, S Chand, 2010

**G. REFERENCE BOOKS**

- Stiglitz and Walsh, *Economics*, Fourth Edition, W. W. Norton, 2005.
- N. Gregory Mankiw. *Macroeconomics*, Worth Publishers, 2010.
- Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 2009.
- Lipsey & Chrystal, *Economics*, Oxford University Press, 2011.
- Richard T. Froyen, *Macroeconomics*, Pearson Education Asia, 2005.

**H. Lecture Plan:**

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction to Macro Economics	Scope of Macro Economics	Lecture	NA	NA
2,3	Issues related to Macro Economics	Concepts used in Macro Economics	Lecture	1   22.1	Mid Sem I, Assignment

4,5,6,7	Circular flow of Income Two Three and Four Sector Models, Significance, Leakages and Injections.	Understand the flow of income in the economy	Case Study	I   22.2	Mid Sem I, Assignment
8,9,10,11,12,13	Measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy.	Determination of National Income parameters	Lecture	I   22.2	Mid Sem I, Assignment
14,15	Balance of payments: current and capital accounts	Income determination in an open economy	Lecture	I   22.2	Mid Sem I, Assignment
16,17,18,19,20	<b>Money</b> Functions of money; quantity theory of money; determination of money supply and demand;	Meaning, Functions & determinants of Money Supply	Lecture	I   22.3	Mid Sem I, Assignment
21,22,23,24,25	Credit creation; roles and objectives of central banks, qualities of effective central banks; tools of monetary policy	Creation of credit by Banks	Case	I   22.3	Mid Sem II, Assignment
26,27,28,29	<b>Inflation</b> , measurement of inflation; cost push & demand pull inflation; hyperinflation; disinflation; Phillips curve	Meaning of inflation & types	Lecture	I   22.4	Mid Sem II, Assignment
30,31	Causes and Consequences of Inflation	Causes and Consequences	Lecture	I   22.4	Mid Sem II, Assignment
32,33,34	The Closed Economy in the Short Run Classical and Keynesian systems; simple Keynesian model of income determination;	Income & Output determination in Classical & Keynesian system	Lecture	I   22.4	Mid Sem II, Assignment
35,36,37,38	Fiscal and monetary multipliers	Concept	Lecture	I   22.3	Mid Sem II, Assignment
39,40,41,42,43	<b>Macro economic</b> -	Objectives of macro Economic Policies	Lecture	I   22.5	Mid Sem II, Assignment

	<p><b>policy objectives</b> The centrality of growth; Difference between actual GDP and Potential GDP</p>				
44, 45, 46, 47	<p>Determinants of a country's growth-sources, measurement and sustainability of economic growth</p>		Lecture	1122.5	Mid Sem II, Assignment
48, 49, 50	<p>Summing up of the course and application of macro-economic theories to solve economic issues- Case study method.</p>		Lecture	1122.5	Mid Sem II, Assignment

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

[illegible]

1122.5	Apply economic reasoning to understand the operation of an economy																
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**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

Basic Mathematics | EO 1123 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Dept. of Economics as core course, to illustrate concepts of mathematics using mathematical techniques in economics. The course aims to enhance the practical knowledge of students about varicose concepts of economics by using mathematical technique.

**B. Course Outcomes:** At the end of the course, students will be able to

- [1123.1] Define and understand basic mathematical economic terms and concepts.
- [1123.2] Understand the linkages among the mathematical economic concepts.
- [1123.3] Apply the tools of analysis to predict the economic consequences of various events.
- [1123.4] Illustrate and interpret the economic outcomes of mathematical tools.
- [1123.5] Describe the importance of mathematics in economic research.

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
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**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

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**E. SYLLABUS**

Basic Algebra: function and slopes, differentiation, Rules of differentiation, higher order differentiation and maxima and minima, nature of curve, Partial and total differentiation, its use in economics, integration-simple and definite, Application of differential calculus: Theory of consumers behaviour, utility maximization, Demand Function and elasticity of demand nature of goods and partial elasticity, Theory of production: Cobb-Douglas production function, Euler's Theorem, Consumer's and producer's surplus, Elasticity of substitution, Optimizing behaviour of a firm under Perfect Competition, Matrix and input-output analysis, matrix and determinants-use in economics, Static and dynamic Models, Hawkins-Simon conditions for viability, computation of Gross output, Linear programming and Game theory, Formulation of a problem, graphical solution only, Game Theory: Two person-Zero Sum Game, saddle point solution only.

**F. TEXT BOOKS**

- Alpha C Chiang and Kevin Wainwright (2005), Fundamental Methods of Mathematical Economics, McGraw- Hill, 4th Edition.
- B.C. Mehta and G.M.K. Madhani (2008) Mathematics for Economists, S Chand and

**G. REFERENCE BOOKS**

- J.M. Henderson and R.E. Quandt (2000), Microeconomic Theory: A Mathematical Approach (Economic Handbook Series), McGraw-Hill College, 3rd Edition.
- Peter J Hammond (2002), Mathematics for Economic Analysis, Pearson Educational Asia.
- Srinath Barauh (2012), Basic Mathematics and its Application in Economics, Trinity Press Pvt Ltd.

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2	Basic Algebra: function and slopes, differentiation	To acquaint and clear the overview of the course	Lecture	1123.1	Mid Term I End Term
3,4,5,6	Rules of differentiation, higher order differentiation and maxima and minima, nature of curve	Student will understand and define basic mathematical economic terms and concepts.	Lecture	1123.1	Mid Term I End Term
6,7	Partial and total differentiation, its use in economics	Student will understand and define basic mathematical economic terms and concepts.	Lecture	1123.1	Mid Term I End Term
8,9,10	Integration-simple and definite	Student will understand and define basic mathematical economic terms and concepts.	Lecture	1123.1	Mid Term II End Term
11,12,13	Theory of consumers behaviour, utility maximization	Student will Understand the linkages among the mathematical economic concepts	Lecture	1123.2	Mid Term II End Term
14,15,16,17	Demand Function and elasticity of demand nature of goods and partial elasticity	Student will Illustrate and interpret the economic outcomes of mathematical tools.	Lecture	1123.4	Mid Term I End Term
18,19,20,21	Theory of production: Cobb-Douglas production function, Euler's Theorem	Student will apply the tools of analysis to predict the economic consequences of various events.	Lecture	1123.3	Home Assignment Mid Term II End term
22,23,24	Consumer's and producer's surplus	Student will Illustrate and interpret the economic outcomes of mathematical tools.	Lecture	1123.4	Mid Term II End Term
25,26,27,28	Elasticity of substitution, Optimizing behaviour of a firm under Perfect Competition	Student will Illustrate and interpret the economic outcomes of mathematical tools.	Lecture		Mid Term II End Term
29,30,31,32,33	Matrix and input-output analysis, matrix and determinants-use in economics	Student will describe the importance of mathematics in economic research	Lecture	1123.5	Mid Term II End Term
34,35,36,37,38	Static and dynamic Models	Student will describe the importance of mathematics in economic research	Lecture	1123.5	End Term
39,40,41,42,43,44	Hawkins-Simon conditions for viability, computation of Gross output	Student will describe the importance of mathematics in economic research	Lecture	1123.5	End Term
44,45,46,47,48	Linear programming and Game theory, Formulation of a problem, graphical solution only	Student will apply the tools of analysis to predict the economic	Lecture	1123.3	End Term







MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Basic Data Analysis Tools in Economics | EO 1124 | 2 Credits | 2002

**A. Introduction:** Study of Basic Data Analysis Tools in Economics helps students to provide basic training in Analytical skills for data analysis in Economics, understanding the use of data analysis in Economics and building foundation for advanced data analysis in economics

**B. Course Outcomes:** At the end of the course, students will be able to

[1124.1] Describe the basic principles of economic analysis.

[1124.2] Interpret and illustrate regression analysis to real-world economic examples and data sets for hypothesis testing and prediction.

[1124.3] Enhance the skill development techniques to apply regression estimation in real world.

[1124.4] Learn Entrepreneurship skills to plan real life economic analysis problems.

[1124.5] Develop the employability skills using real world examples.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

**E Syllabus**

**Introduction:** Introduction of data analysis using SPSS, Data entry, Storing and retrieving data files; **Data Editor:** Data view, Variable view, Entering Data, Editing Data, Finding and Replacing Data; **Data Preparation:** Variable and data properties- defining, assigning, copying; **Data Handling with SPSS:** Sorting, Transpose, merging, adding splitting and reconstructing of data; **Data Transformation:** Import data from excel spreadsheet, export output; **Data Presentation:** Pivot Tables, building, editing and formatting of charts, graphs (Bar, line, area and pie); **Data Analysis:** Descriptive Analysis of Data- Frequencies and Distributions, **Linear Regression** – Introduction, Interpretation of regression results; **Multivariate Analysis:** Comparing mean and distribution of subgroups of variables (t-test, chi square test.)

**F. Text/ Reference Books:**

- Maheshwari A. (2016). *Data Analytics: Made Accessible*. New Delhi. Mc Graw Hill Publication.
- Argyrous G. (2010). *Statistics for Research: with a guide to SPSS*. New Delhi. Sage publication.
- Andy Field. (2000). *Discovering Statistics using IBM SPSS*. New Delhi. Sage publication.
- Naval Bajpai. (2013). *Business Statistics*. New Delhi. Pearson Education.

**G. Lecture Plan**

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
2,3	Introduction to Data analysis using SPSS	To introduce Statistics, data entry, Storing and retrieving data files.	Lecture	1124.1	In Class Quiz
4,5,6	Data Editor	To understand Data view, Variable view, Entering Data, Editing Data, Finding and Replacing Data	Lecture/ lab session	1124.1	In Class Quiz Mid Term I End Term
7	Data Preparation	To let student know Variable and data	Using SPSS software in Lab	1124.1	Lab Assignment Mid Term I End Term

		properties- defining, assigning, copying			
8,9	Data Handling with SPSS	Students will learn about Sorting, Transpose, merging, adding splitting and reconstructing of data	Lecture/ Lab session	I124.2	Lab Assignment Mid Term I End Term
10, 11, 12	Data Transformation	Students will learn how to Import data from excel spreadsheet, export output	Lecture/ Lab	I124.2	Lab Assignment Mid Term I End Term
13,14,15,16	Data Presentation	Students will be Introduced to Graphical Presentation, Pivot Tables, building, editing and formatting of charts, graphs (Bar, line, area and pie)	Lecture/ Lab	I124.2	Class Quiz Mid Term I End term
17,18	Data Analysis	Students will learn Descriptive Analysis of Data- Frequencies, Distributions, Introduction To Skewness and Kurtosis	Lecture/ Lab	I124.2 I124,4	Lab Assignment Class Quiz Mid Term II End Term
19,20	Linear Regression	Introduction to Linear Regression, Interpretation of regression results	Lecture/ Lab	I124.2 I124.3 I124.4 I124.5	Class Quiz Mid Term II End Term
21,22,23,24	Multivariate Analysis	Introduction to Comparing mean, distribution of subgroups of variables, t-test and discussion of practical significance, Chi-Square test and discussion of practical significance	Lecture/Lab	I124.2 I124.3 I124.5	Class Quiz Mid Term II End Term, Lab Viva

## H. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO 1124.1	Describe the basic principles of economic analysis.	1						1							3	
EO 1124.2	Interpret and illustrate regression analysis real-world economic examples and data sets for hypothesis testing and prediction.	1						1							1	3
EO 1124.3	Enhance the skill development techniques to apply regression estimation real world.	2														
EO 1124.4	Learn Entrepreneurship skills to plan real life economic analysis problems.													3	1	
EO 1124.5	Develop the employability skills using real world examples.	1						3								

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

General English| EN1112 | 2 Credits [2 0 0 2]

**A. Introduction:** This course is offered by Department of Languages as a core course to the students of BA Economics (Hons) in 1<sup>st</sup> Semester. The course offers an in depth knowledge of Language as an important branch of English language studies. It covers basic concepts such as properties of human languages, word formation, Grammar, Comprehension and Composition. There is no specific prerequisite on the part of students as the course begins with the very basics of the field of study.

**B. Course Outcomes:** At the end of the course, students will be able to:

[1112.1] Understand the fundamental principles of effective communication skills and presentation skills.

[1112.2] Develop critical and creative thinking abilities for communicative competence.

[1112.3] Display enhanced competence in oral and written communication.

[1112.4] Improve ideas with precision and coherence in writing.

[1112.5] Recognize the importance of communication skills like listening, speaking, reading and writing with advancement of competitive world.

## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1].Understand the behaviour of Indian and World Economy

[PSO.2].Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3].Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

Introduction to communication skills, Principles of Communication, modes of communication, types of communication, essential features of communication, Importance of effective communication: Its application, Barriers to effective communication, Reading, writing and listening skills, Sentence Patterns and its usage, Uses of Verbs: Finite and Non-Finite Verbs, Modal Verbs, Voice, Tenses – Its usage and sequence, Question Tags, Articles, Usage and its Application, Reported Speech, Synonyms and Antonyms/ One Word Substitution, Reading Comprehension, - Précis Writing, Essay writing- Letter Writing-Letter content and layout, Personal, Professional Business Letter, Circulars ,Letter to Newspaper, Memo and Memo Reports-Usefulness and format, Job Application, Resume Writing(Latest trends in Resume Writing), Report Writing-Types and its Application. Group Discussion, Extempore and Presentations.

#### F. Reference Books:

- R1 Kaul, Asha Business Communication. New Delhi: Prentice Hall of India.2004.
- R2 Little Peter: Communication in Business. Verdant : Pitman Publishing
- R3 P D Chaturvedi, Mukesh Chaturvedi.Business Communication Skills, Concepts and Application. New Delhi: Pearson, 2013.
- R4 Sharma, Meenakshi Raman Sangeeta. Technical Communication Principles and Practice. New Delhi: Oxford University Press, 2011.
- R5 G. David, Contemporary English Grammar, Structures and Composition, Macmillan Publications.
- R6 S. Mishra & C. Muralikrishna, Communication Skills for Engineers, Pearson Education. 2004.
- R7 Tickoo, M L Intermediate Grammar Usage and Composition. Delhi: Orient BlackSwan.
- R8 Thorpe, Edgar Objective English 6e. New Delhi Pearson, 2014.
- R9 Hornby A S Guide to Patterns and Usage in English 2e Oxford Publication.1997.

**G. Lecture Plan:**

<b>Lec. No</b>	<b>Topics</b>	<b>Session Outcome</b>	<b>Mode of Delivery</b>	<b>Corresponding CO</b>	<b>Mode of Assessing the Outcome</b>
I	Introduction and Course Hand-out briefing.	To acquaint and clear teacher's expectations and understand students' expectations	Lecture & Discussion	NA	NA
2	Introduction to communication skills, Principles of Communication	To develop communication skills	Lecture & Discussion	EN1112.1, EN1112.2	I Sessional, Assignment-I, End Sessional
3	modes of communication, types of communication	To develop communication skills	Lecture & Discussion	EN1112.1, EN1112.2	I Sessional, Assignment-I, End Sessional
4	essential features of communication	To develop communication skills	Lecture & Discussion	EN1112.1, EN1112.2	I Sessional, Assignment-I, End Sessional
5	Importance of effective communication: Its application, Barriers to effective communication	To develop communication skills	Lecture & Discussion	EN1112.1, EN1112.2	I Sessional, Assignment-I, End Sessional
6	Reading, writing and listening skills	To develop LSRW skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	I Sessional, Assignment-I, End Sessional
7	Sentence Patterns and its usage	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
8	Uses of Verbs: Finite and Non-Finite Verbs	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
9	Modal Verbs	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
10	Tenses – Its usage and sequence	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, Assignment-II, End Sessional
11	Active passive voice	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
12	Question Tags, Articles, Usage and its Application	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
13	Reported Speech	Writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional

<b>14-15</b>	Synonyms and Antonyms/ One Word Substitution	To develop vocabulary of students.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
<b>16,17</b>	Reading Comprehension, Précis Writing, Essay writing	Reading and writing skills.	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional
<b>18,19</b>	Letter Writing-Letter content and layout, Personal, Professional Business Letter	Writing skills	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	II Sessional, End Sessional
<b>2021</b>	Circulars, Letter to Newspaper, Memo and Memo Reports-Usefulness and format	Writing skills	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional
<b>22,23, 24</b>	Job Application, Resume Writing (Latest trends in Resume Writing)	Writing skills	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional
<b>2526</b>	Report Writing-Types and its Application	Writing skills	Lecture & Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional
<b>27 28</b>	Group Discussion	Communication skills	Participation of students and Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional
<b>29-30</b>	Extempore and Presentations	Communication and presentation skills.	Participation of students and Discussion	EN1112.3, EN1112.4, EN1112.5	End Sessional



## H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O1	PS O2	PS O3
EN 1112.1	<b>Understand</b> the fundamental principles of effective communication skills and presentation skills.	2	3	3	2	1	3	2			
EN 1112.2	<b>Develop</b> critical and creative thinking abilities for communicative competence.	3	3	3	1	1	2	2			
EN 1112.3	<b>Display</b> enhanced competence in oral and written communication.	3	2	1	1	1	2	3			
EN 1112.4	<b>Improve</b> ideas with precision and coherence in writing.	3	2	3	2	1	3	3			
EN 1112.5	<b>Recognize</b> the importance of communication skills like listening, speaking, reading and writing with advancement of competitive world.	2	2	2	3	1	2	2			

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

ENGLISH POETRY- I | EN 1101 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Department of Languages as a subsidiary course to the students of BA Economics Hons, in II Semester. The course offers the origin, background, traditions, and development of English literature. It covers all the literary ages of English literature recognized by the most prominent writer or monarch of that age. There is no specific prerequisite on the part of students as the course begins with the very basics of the field of study.

**B. Course Outcomes:** At the end of the course, students will be able to

[1101.1] Learn to appreciate and analyze poetry

[1101.2] Develop analytical and critical thinking through reading, discussion and class interaction and assignments

[1101.3] Study the formal elements of the genre like form, rhyme, figurative language, metaphor, simile etc.

[1101.4] Demonstrate greater appreciation for language and artistic medium

[1101.5] Get an opportunity to explore the genre

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

### E. SYLLABUS

**Poetic Forms:** Ode, epic, mock-epic, ballad, dramatic monologue, lyric, heroic couplet, blank verse and free verse; **Shakespeare's** Sonnet 18: "Shall I Compare Thee"; **J Donne's** "Go and Catch a Falling Star"; **J Milton's** "On His Twenty - Third Birthday"; **J Dryden's** "A Song for St. Cecilia's Day"; **W Blake's** "The Lamb and the Tiger"; **L Byron's** "There is a Pleasure in the Pathless Woods"; **P B Shelley's** "Ode to the West Wind"; **J Keats' "To Autumn"; W Wordsworth's** "The Solitary Reaper"; **R Browning's** "My Last Duchess"; **M Arnold's** "Dover Beach"; **G M Hopkins' "The Sea and the Skylark"; W B Yeats' "The Second Coming" and "A Prayer for My Daughter"; T S Eliot's** "The Love Song of J. Alfred Prufrock".

## F. TEXT BOOKS

1. J Carey, *John Donne: the Major Works*, New Delhi: Oxford, 2008.
2. J Milton, *Minor Poems in English*, New Delhi: Milestone Publication, 2000.
3. W Shakespeare, *Complete Works*, New Delhi: Oxford and IBH, 1977.
4. J Dryden, *Poems and Fables*, New Delhi: Milestone Publication, 1980.

## G. REFERENCE BOOKS

1. B Ford (ed), *Pelican Guide to English Literature* Vol. 1-8, Penguin: Penguin, 1960.
2. G M Trevelyan, *A Social History of England*, London: Longman, 1942.
3. M H Abrams, *A Glossary of Literary Terms*, 10/E, Wadsworth Publication 2014.

## H. Lecture Plan:

Class Number	Topics	Session Outcome	Mode of Delivery	Corresponding Course Outcome	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing  Reading and understanding Poetry.	To acquaint and clear teachers expectations and understand student expectations	Lecture  Interaction	-	NA
2	Reciting/Sharing favourite poem/song  Types of poems and literary devices used	To ascertain the interest and recapitulate the understanding and the existing knowledge about poetry	Interaction, Discussion & Question Answer Session	CO 1	In Class Quiz ( Not Accounted)
3	<b>Shakespeare's</b> Sonnet 18: "Shall I Compare Thee"- An Introduction about the poet, poem and the times	To know about the socio-cultural conditions of the period. To know about the concepts of love, courtship, place of women, etc. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
4	Poem " <b>Shall I Compare Thee</b> "- A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	

5	Poem <b>Shall I Compare Thee</b> - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
6	<b>J Donne's</b> "Go and Catch a Falling Star" - An Introduction about the poet, poem and the times	To know the socio-cultural conditions of the period. To know about the concepts of love, courtship, place of women, etc. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A	CO 1 & 2	I <sup>st</sup> Sessional  ET Exam  Home Assignment
7	<b>J Donne's</b> "Go and Catch a Falling Star"- A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
8	<b>J Donne's</b> "Go and Catch a Falling Star" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
9	<b>J Milton's</b> "On His Twenty - Third Birthday" - An Introduction about the poet, poem and the times	To know about the social, cultural, religious conditions of the period. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	
10	<b>J Milton's</b> "On His Twenty - Third Birthday" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	I <sup>st</sup> Sessional  ET Exam  Home Assignment

11	<b>J Milton's</b> "On His Twenty - Third Birthday" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
12	<b>W Blake's</b> "The Lamb and the Tiger" - An Introduction about the poet, poem and the times	To know the social, cultural, religious conditions of the period. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Biblical Quotes and References	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
13	<b>W Blake's</b> "The Lamb and the Tiger" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
14	<b>W Blake's</b> "The Lamb and the Tiger" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
15	<b>J Dryden's</b> "A Song for St. Cecilia's Day" - An Introduction about the poet, poem and the times	To know about the socio-cultural conditions of the period. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
16	<b>J Dryden's</b> "A Song for St. Cecilia's Day" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
17	<b>J Dryden's</b> "A Song for St. Cecilia's Day" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	

18	<b>L Byron's</b> "There is a Pleasure in the Pathless Woods" - An Introduction about the poet, poem and the times	To know the social, cultural, economic conditions of the period. To know about the concern for mother nature/environment. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Documentary on love for nature	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
19	<b>L Byron's</b> "There is a Pleasure in the Pathless Woods" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
20	<b>L Byron's</b> "There is a Pleasure in the Pathless Woods" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society.	Discussion  Written exercise  Evaluation	CO 2 & 5	
		To critically comment upon the content, structure and theme(s) of the poem.			
21	<b>P B Shelley's</b> "Ode to the West Wind" - An Introduction about the poet, poem and the times	To know about the social, cultural, political conditions of the period. To understand the state of despair and resentment among masses. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
22	<b>P B Shelley's</b> "Ode to the West Wind" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
23	<b>P B Shelley's</b> "Ode to the West Wind" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
<b>FIRST SESSIONAL EXAM 10<sup>th</sup> September, Monday -12<sup>th</sup> September, Wednesday 2018</b>					

24	<b>J Keats’ “To Autumn”</b> - An Introduction about the poet, poem and the times	To know the socio-cultural conditions of the period. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Multimedia Resources  Online Resources	CO 1 & 2	2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
25	<b>J Keats’ “To Autumn”</b> - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
26	<b>J Keats’ “To Autumn”</b> - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
27	<b>W Wordsworth’s “The Solitary Reaper”</b> - An	To know about the socio-cultural conditions of the period.	Lecture  Q & A	CO 1 & 2	
	Introduction about the poet, poem and the times	To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Power Point		2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
28	<b>W Wordsworth’s “The Solitary Reaper”</b> - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
29	<b>W Wordsworth’s “The Solitary Reaper”</b> - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
30	<b>R Browning’s “My Last Duchess”</b> - An Introduction about the poet, poem and the times	To know the social, cultural, economic conditions of the period. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Multimedia Resources	CO 1 & 2	2 <sup>nd</sup> Sessional

31	<b>R Browning's</b> "My Last Duchess" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	ET Exam  Home Assignment
32	<b>R Browning's</b> "My Last Duchess" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
33	<b>M Arnold's</b> "Dover Beach" - An Introduction about the poet, poem and the times	To know about the social, cultural, economic, political conditions of the period. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	
34	<b>M Arnold's</b> "Dover Beach" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
35	<b>M Arnold's</b> "Dover Beach" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
36	<b>G M Hopkins'</b> "The Sea and the Skylark" - An Introduction about the poet, poem and the times	To know the social, cultural, religious conditions of the period. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Multimedia Resources	CO 1 & 2	2 <sup>nd</sup> Sessional
37	<b>G M Hopkins'</b> "The Sea and the Skylark" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	ET Exam  Home Assignment



38	<b>G M Hopkins'</b> "The Sea and the Skylark" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
39	<b>W B Yeats'</b> "The Second Coming" - An Introduction about the poet, poem and the times	To know about the social, cultural, economic, political conditions of the period. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	2 <sup>nd</sup> Sessional
40	<b>W B Yeats'</b> "The Second Coming" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	ET Exam  Home Assignment
41	<b>W B Yeats'</b> "The Second Coming" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
<b>SECOND SESSIONAL EXAM 25<sup>th</sup> October, Thursday -27<sup>th</sup> October, Saturday 2018</b>					
42	<b>W B Yeats'</b> "A Prayer for My Daughter" - An Introduction about the poet, poem and the times	To know the social, cultural, economic conditions of the period. To know the major works of the poet and the main contemporaries. To know the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Multimedia Resources	CO 1 & 2	
43	<b>W B Yeats'</b> "A Prayer for My Daughter"- A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and the emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	ET Exam  Home Assignment

44	<b>W B Yeats'</b> "A Prayer for My Daughter"- Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the poem.	Discussion  Written exercise  Evaluation	CO 2 & 5	
45	<b>T S Eliot's</b> "The Love Song of J. Alfred Prufrock" - An Introduction about the poet, poem and the times	To know about the social, cultural, economic, political conditions of the period. To know about the major works of the poet and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the poem.	Lecture  Q & A  Power Point	CO 1 & 2	ET Exam  Home Assignment
46	<b>T S Eliot's</b> "The Love Song of J. Alfred Prufrock" - A Critical Analysis of the poem.	To understand the main theme(s) and the gist of the poem. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the poem.	Audio-Video-Recitation of the poem.  Lecture  Discussion	CO 2, 3 & 4	
47	<b>T S Eliot's</b> "The Love Song of J. Alfred Prufrock" - Review	To discuss and write critical review of the poem according to their own understanding. To apply their understanding for correlating the poem with their own experience and the present day society.	Discussion  Written exercise  Evaluation	CO 2 & 5	
		To critically comment upon the content, structure and theme(s) of the poem.			
48	Revision & Discussions	-	-	-	-
49	Revision & Discussions	-			
50	Revision & Discussions	-	-	-	-
51	Revision & Discussions	-	-	-	-
52	Revision & Discussions	-	-	-	-
<b>END TERM EXAM 28<sup>th</sup> November, Wednesday -12<sup>th</sup> December, Wednesday 2018</b>					

### I.Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO 2	PSO 3
<b>EN 1101.1</b>	To learn to appreciate and analyze poetry	2	2	1							

<b>EN II01.2</b>	To develop analytical and critical thinking through reading, discussion and class interaction and assignments	<b>2</b>		<b>I</b>		<b>I</b>	<b>I</b>	<b>I</b>			
<b>EN II01.3</b>	To study the formal elements of the genre like form, rhyme, figurative language, metaphor, simile etc.			<b>I</b>				<b>I</b>			
<b>EN II01.4</b>	To demonstrate greater appreciation for language and artistic medium	<b>2</b>		<b>I</b>		<b>I</b>		<b>I</b>			
<b>EN II01.5</b>	To get an opportunity to explore the genre	<b>2</b>	<b>2</b>					<b>I</b>			

**I-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Basic Psychological Processes- I | PSII01 | 3 Credits | 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary, targeting students who wish to acquire basic knowledge of psychology through both primary and secondary sources, and will learn relevant terms, facts, concepts, and theories. It offers in depth knowledge of various schools of Psychology including Psychoanalytic, Neo-Analytic, Biological, Behaviourist, Cognitive, Trait, Humanistic, and Interactionist theories.

**B. Course Objectives:** At the end of the course, students will be able to [II01.1] to provide the basic introduction of Psychology

[II01.2 ]Recognize and classify the biological and neural bases of mental processes. [II01.3] Understand and evaluate the basic principles of memory and Forgetting

[II01.4] Define Attention and perception and explain characteristics of attention and Laws of perceptual organisation [II01.5] discuss the various motives and emotions of human being

## C. Program Outcomes

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Open Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. Syllabus

**Introduction & Methods of Psychology-** Definition, fields and goals of Psychology. Approaches: Biological, psychoanalytical, behavioral, humanistic, evolutionary and cross cultural; **Methods:** Experimental, Observation, Case Study Method; **Biology and behavior:** Neurons-Structure of neurons, neural impulse, synapse and neurotransmitters. Nervous system: Central and Peripheral nervous systems. Endocrine System; **Learning:** Meaning and definition of learning; Operant Conditioning, classical Conditioning, Cognitive learning;

Modeling and social learning; Learning Curve; **Memory and Forgetting**: Basic processes: Encoding, Storage, Retrieval; Stages of Memory: Sensory Memory, Short term memory & Long term memory; Models of Memory, Levels of Processing. Measurement of memory; Causes of forgetting; Mnemonics; **Attention and Perception**: Attention: Definition, characteristics and selective attention; Perception: Perceptual Organization: Gestalt, Laws of organization, Figure and Ground, Perceptual constancy, Depth perception; **Motivation and Emotions**: Types of motives: Biogenic and sociogenic motives. The need hierarchy model; Techniques of assessing motivation; **Emotions**: Nature, types and physiology of emotions. Theories of emotions: James- Lange, Canon-Bard and Schachter –Singer, Lazarus Cognitive-Appraisal theory.

#### F. Textbooks:

1. Feldman R. S. Understanding Psychology, IV edition, McGraw Hill India, 1996
2. Robert A. Baron, Psychology, III edition, Prentice Hall India, 1995
3. Morgan, King, Weiss and Schopler, Introduction to Psychology, VII edition McGraw Hill, India, 1989

#### G. Reference:

1. Wortman and Loftus, Psychology, IV edition, McGraw Hill International, 1992
2. Zimbardo, Johnson & Vivian, Psychology: Core Concepts, 7/E, Pearson Education, 2012

#### H. Lecture Plan:

Lecture No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode Assessing of the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture		NA
2,3,4	<b>Introduction &amp; Methods of Psychology</b> - Definition, fields and goals of Psychology	To understand the concept and utility of psychology and how behaviour can be assessed.	Lecture	[PSI101.1]	Through presentation
5,6,7,8	Approaches: Biological, psychoanalytical, behavioral, humanistic, evolutionary and cross cultural;	Able to explain the various <b>approaches to Psychology</b>	Lecture	[PSI101.2]	Home Assignment
9,10,11,12, 13, 14	<b>Biology and behavior</b> : Neurons-Structure of neurons, neural impulse, synapse and neurotransmitters. Nervous system: Central and Peripheral nervous systems. Endocrine System	Recognize and classify the biological and neural bases of mental processes.	Lecture	1101.2	PPT Presentation
15,16, 17	<b>Learning</b> : Meaning and definition of learning; Operant Conditioning, classical Conditioning, Cognitive learning; Modeling and social learning; Learning Curve	Explain the meaning and various types of learning.	Lecture + Discussion	1101.2, 1101.1	Class Quiz
18,19,20,21 &22	<b>Memory and Forgetting</b> : Basic processes: Encoding, Storage, Retrieval; Stages of Memory: Sensory Memory, Short term memory & Long term	Differentiate between three types of memory. Discuss the various causes of forgetting and various ways to improve memory.	Flipped Class	1101.2	Home Assignment

	memory; Models of Memory, Levels of Processing. Measurement of memory; Causes of forgetting; Mnemonics;				
23,24,25,26,27 & 28	<b>Attention and Perception:</b> Attention: Definition, characteristics and selective attention; Perception: Perceptual Organization: Gestalt, Laws of organization, Figure and Ground, Perceptual constancy, Depth perception;	Discuss the characteristics of selective attention. Describe the various laws of perceptual organization.	Lecture	1101.3	Home Assignment
29,30,31,32 & 33	<b>Motivation:</b> Types of motives: Biogenic and sociogenic motives. The need hierarchy model; Techniques of assessing motivation;	Explain various types of motives and Maslow's need hierarchy theory.	Lecture	1101.3, 1101.5	PPT Presentation
34, 35,36 & 37	<b>Emotions:</b> Nature, types and physiology of emotions. Theories of emotions: James- Lange, Canon-Bard and Schachter –Singer, Lazarus Cognitive-Appraisal theory.	Define emotions and describe various theories of emotions.	Lecture	1101.2, 1101.3, 1101.4	Home Assignment
38	Revision	NA	NA	1101.4, 1101.5	Class Quiz
39	Conclusion and Course Summarization	NA	NA		Class Quiz

### I. Course Articulation Matrix: (Mapping of COs with POs)

[illegible]

PSI101.4	Define Attention and perception and explain characteristics of attention and Laws of perceptual organisation	1		2							
PSI101.5	Discuss the various motives and emotions of human being	1									

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
**School of Humanities and Social Sciences**  
**Department of Economics**  
**Course Hand-out**

Introduction to Philosophy| PH 1101 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Dept. of Arts (Philosophy) as a subsidiary course to BA (Hons.) students. Philosophy is a conscious and loving awareness of human journey on earth under the sky. As a love of wisdom, Philosophy implies the three-dimensionality of human knowing and being. In our times, there is a need for not only love of wisdom, but also a wisdom of love. Essentially this would entail an intercultural approach to any of our human problems.

**B. Course Outcomes:** At the end of the course, students will be able to

[1101.1]. Recognize and evaluate various philosophical definitions and standpoints.

[1101.2]. Describe the key concerns, issues, branches, methods and problems of philosophy.

[1101.3]. Compare and analyse the Indian, Western and other philosophical traditions and concepts.

[1101.4]. Nurture an intercultural orientation in Philosophy and Life.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20



Internal Assessment (Summative)	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS

**The WHAT of Philosophy:** Who are Philosophers? Definition of “Philosophy,” The Issues of Philosophy, The Method to deal with these Issues, The Characteristics of Philosophy, Philosophy, Religion and Culture. **The WHY of Philosophy:** Why Study Philosophy?, Is Philosophy Avoidable? **The BRANCHES of Philosophy:** Logic, Epistemology, Ethics, Metaphysics, Aesthetics, Applied Philosophy. **The HOW (Method) of Philosophy:** Rational and Analytic, Intuitive and Experiential. **The GEOGRAPHY of Philosophy (Philosophies in the World):** Tribal Philosophy, Indian Philosophy, Western Philosophy, Chinese Philosophy, Islamic Philosophy, African Philosophy. **The PROBLEMS of Philosophy:** Problems in Metaphysics, Epistemology, Philosophy of Mind, Moral Philosophy, Philosophy of Science and of Nature, Philosophy of Religion, Philosophy of God, Social Philosophy, Aesthetics.

## F. TEXT BOOKS

- Perumalil, A. *An Introduction to Philosophy*, ISPCK, New Delhi. 2001.

## G. REFERENCE BOOKS

- Datta, D. M. & S.C. Chatterjee, *An Introduction to Indian Philosophy*, University of Calcutta, Calcutta, 1968.
- Harold, T. *Living Issues in Philosophy*, Oxford University Press, New York, 1995.
- Sarukkai S. “Indian Philosophy and Philosophy of Science,” PHISPC, Motilal Banarsidass, New Delhi, 2005.

## H. Lecture Plan:

DAY	TOPICS	Programme objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
Day I	Introduction and Course Hand-out briefing	Provide a brief of the contents of the course	Lecture, PPT, Discussion		Quizzes, Sessional I, End Term Examination

Day 2	The WHAT of Philosophy	Introduce the concept of Philosophy	Lecture, PPT, Discussion	II01.1, II01.4	Quizzes, Sessional I, End Term Examination
Day 3	Who are Philosophers?	Indicate the characteristics of Philosophers	Lecture, PPT, Discussion	II01.1, II01.3	Quizzes, Sessional I, End Term Examination
Day 4-5	Definition of “Philosophy”	Explain the origin and context and meaning of the topic	Lecture, PPT, Discussion	II01.1, II01.2	Quizzes, Sessional I, End Term Examination
Day 5-6	The Issues of Philosophy	Lay out philosophical issues	Lecture, PPT, Discussion	II01.1	Quizzes, Sessional I, End Term Examination
Day 7-8	The Method to deal with these Issues	Lay out the method of Philosophy	Lecture, PPT, Discussion	II01.1, II01.4	Quizzes, Sessional I, End Term Examination
Day 9-10	The Characteristics of Philosophy, Philosophy, Religion and Culture	Relate Philosophy to Religion and Culture	Lecture, Discussion	II01.2, II01.4	Quizzes, Sessional I, End Term Examination
Day 11	The WHY of Philosophy	Establish the relevance of the discipline	Lecture, Discussion	II01.3, II01.1	Quizzes, Sessional I, End Term Examination
Day 12-13	Why Study Philosophy?	Establish the necessity of the discipline	Lecture, Discussion	II01.1, II01.4	Quizzes, Sessional I, End Term Examination
Day 14	The BRANCHES of Philosophy	Explain the sub-disciplines of the field	Lecture, Discussion	II01.1	Quizzes, Sessional II, End Term Examination
Day 15	Logic	Demonstrate the foundations of Logic in language	Lecture, Discussion	II01.1, II01.4	Quizzes, Sessional II, End Term Examination
Day 16	Epistemology	Explain the history of knowledge systems	Lecture, Discussion, Video resource	II01.1, II01.2	Quizzes, Sessional II, End Term Examination

Day 17	Ethics	Relate morality to reason vis-à-vis philosophy	Lecture, Discussion, Video resource	II01.1, II01.2, II01.4	Quizzes, Sessional II, End Term Examination
Day 18	Metaphysics	Introduce the evolution of human thinking	Lecture, Discussion,	II01.1	Quizzes, Sessional II, End Term Examination
Day 19	Aesthetics, Applied Philosophy	Introduce students to the human notion of beauty and justice	Lecture, Discussion, Case Studies	II01.1, II01.4	Quizzes, Sessional II, End Term Examination
Day 21	The HOW (Method) of Philosophy	Contextualise the role of Philosophy today	Lecture, Discussion,	II01.1	Quizzes, Sessional II, End Term Examination
Day 22-23	Rational and Analytic	Introduce dominant approaches to Philosophy	Lecture, Discussion,	II01.1, II01.2	Quizzes, Sessional II, End Term Examination
Day 24-25	Intuitive and Experiential	Introduce dominant approaches to Philosophy	Lecture, Discussion,	II01.1, II01.1	Quizzes, Sessional II, End Term Examination
Day 26	The GEOGRAPHY of Philosophy (Philosophies in the World)	Reveal the cross-cultural origins of Philosophy	Lecture, Discussion,	II01.1, II01.3	Quizzes, Sessional II, End Term Examination
Day 26-27	Indian Philosophy	Introduce seminal concepts of Indian thought	Lecture, Discussion, Video resource	II01.1	Quizzes, Sessional II, End Term Examination
Day 28-29	Indian Philosophy	Introduce seminal concepts of Indian thought	Lecture, Discussion,	II01.1, II01.2	Quizzes, Sessional II, End Term Examination
Day 31-32	Western Philosophy	Introduce seminal concepts of Western thought	Lecture, Discussion	II01.1, II01.3	Quizzes, Sessional II, End Term Examination
Day 33-34	Western Philosophy	Introduce seminal concepts of Western thought	Lecture, Discussion, Video resource	II01.1, II01.4	Quizzes, Sessional II, End Term Examination

Day 35	Chinese Philosophy	Introduce seminal concepts of Asian thought	Lecture, Discussion	II01.1, II01.3	Quizzes, Sessional II, End Term Examination
Day 36	Islamic Philosophy	Introduce seminal concepts of Middle eastern thought	Lecture, Discussion, Video resource	II01.1, II01.3	Quizzes, Sessional II, End Term Examination
Day 37	African Philosophy	Introduce seminal concepts of African thought	Lecture, Discussion, Video resource	II01.1, II01.3	Quizzes, End Term Examination
Day 38	Tribal Philosophy	Introduce seminal concepts of tribal ways of life	Lecture, Thought experiment	II01.1, II01.3	Quizzes, End Term Examination
Day 39	The PROBLEMS of Philosophy	Introduce perennial issues in Philosophy	Lecture, Discussion,	II01.1, II01.2	Quizzes, End Term Examination
Day 40	Problems in Metaphysics	Introduce intractable Metaphysical problems	Lecture, Discussion,	II01.1, II01.2	Quizzes, End Term Examination
Day 41	Epistemology	Revel the foundations of how we know, what we know	Lecture, Discussion,	II01.1, II01.2	Quizzes, End Term Examination
Day 42	Philosophy of Mind	Introduce the modern idea of the mind	Lecture, Discussion, Video resource	II01.1, II01.2	Quizzes, End Term Examination
Day 43	Moral Philosophy	Explain the relationship between Philosophy and morality	Lecture, Discussion, Case studies	II01.1, II01.4	Quizzes, End Term Examination
Day 44	Philosophy of Science and of Nature	Reflect on the evolution of Science as a discipline	Lecture, Discussion	II01.1, II01.1	Quizzes, End Term Examination
Day 45	Philosophy of Religion	Reflection on cultural understandings of the divine	Lecture, Discussion,	II01.1, II01.2, II01.3	Quizzes, End Term Examination

Day 46	Philosophy of God	Reflection on human understandings of the divine	Lecture, Discussion,	1101.1, 1101.2, 1101.3	Quizzes, End Term Examination
Day 47-48	Social Philosophy	Explain the social basis of all philosophy	Lecture, Discussion,	1101.1, 1101.2, 1101.3, 1101.4	Quizzes, End Term Examination
Day 49-50	Aesthetics	Introduce philosophical concerns on the idea of beauty	Lecture, Discussion,	1101.1, 1101.4	Quizzes, End Term Examination
Day 51	Conclusion and Course Summarization	Clear doubts and summarise the course	Lecture, Discussion,		Quizzes, End Term Examination

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PH 1101.1	Recognize and evaluate various philosophical definitions and standpoints.							
PH 1101.2	Describe the key concerns, issues, branches, methods and problems of philosophy.							
PH 1101.3	Compare and analyse the Indian, Western and other philosophical traditions and concepts.	2		2				
PH 1101.4	Cultivate and nurture an intercultural orientation in Philosophy and Life.					2		

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Elements of Political Science| PO 1101 | 4 Credits |

**A. Introduction:** Political science is that branch of the social sciences that studies the state, politics, and government. **Political Science deals extensively with the analysis of political systems, the theoretical and practical applications to politics, and the examination of political behaviour.** The aim of this paper is to offer the students an understanding of the basic nature and elements of Political Science in order to help them grasp such basic concepts.

**B. The Course Outcomes (CO):** On completion of the course the students will be able to

[1101.1]. Have the basic understanding of the Political Science as a discipline.

[1101.2]. Understand the basic elements of the State.

[1101.3]. Know the theories and functions related to the state.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS :**

**Introduction:** Meaning, Definition, Scope and Nature of Political Science, Traditional and Modern Perspective of Political Science, Behaviouralism and Post Behaviouralism, **The State:** Elements, **The Government:** Organs: Executive: Functions, Characteristics, Expansion in the functions of the Executive, Legislature : Functions, Characteristics, its decline, Judiciary : Functions, Characteristics, Independence of the Judiciary, Its greater role, Separation of Powers, Recent trends, Parliamentary and Presidential Governments , Unitary and Federal forms of Government, Evolution of the State : **Theories** : Divine, Force, Social Contract, Evolutionary.

**F. Text books:**

- I. Gauba, O.P. *An Introduction to Political Theory*, MacMillan, New Delhi, 2013, 2<sup>nd</sup> edition

**G. Reference books:**

1. Ray, Amal & Mohit Bhattacharya, *Political Theory: Ideas & Institutions*, The World Press Pvt.Ltd., Kolkata, 2014.
2. Eddy Asirvatham & K.K. Misra *Political Theory* ; S.Chand & Company Ltd., Delhi, 2012.
3. Kapur, A.C. *Principles of Political Science*, S. Chand & Co., New Delhi, 2008.
4. Verma, S.P. *Modern Political Theory*, Paperback, 1975.
5. Verma, S. L. [\*Advanced Modern Political Theory: Analysis and Technologies\*](#), Rawat Publications, 2008.

**H. Lecture Plan:**

Lecture No.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of assessing the
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					<b>Outcome</b>
<b>1</b>	Basic Concepts of Political Science	Basic understanding	Lecture	I	NA
<b>2</b>	Meaning and Definition of Political Science	Basic understanding	Lecture	I	Home Assignment Class Quiz Mid Term I End Term
<b>3</b>	Nature and Significance of Political Science	Basic understanding	Lecture	I	Home Assignment Class Quiz Mid Term I End Term
<b>4</b>	Traditional Perspective of Political Science	To understand traditional and modern perspective	Ppt	I	Home Assignment Class Quiz Mid Term I End Term
<b>5</b>	Modern Perspective of Political Science	To understand traditional and modern perspective	Ppt	I	Class Quiz Mid Term I End Term
<b>6</b>	Behavioralism and its Limitations	To understand traditional and modern perspective	Lecture	I	GD, Home Assignment Class Quiz Mid Term I End Term Class test
<b>7</b>	David Easton's Eight basic tenets of Behaviouralism	To understand traditional and modern perspective	Lecture	I	Assignment
<b>8</b>	Post-Behaviouralism and its significance	To understand traditional and modern perspective	Lecture	I	Sessional Exams
<b>9</b>	State: Significance of State, State and Society, State and Government, State and Nation	To understand the State: Significance of State	ppt	2 and 3	Sessional Exams
<b>10</b>	Elements of State	To understand traditional and modern perspective	Ppt	2 & 3	Home Assignment Class Quiz Mid Term II End Term
<b>11</b>	Organs of Government: Meaning and basic understanding	Organs of Government: Meaning and basic understanding	Lecture	2 & 3	Home Assignment Class Quiz Mid Term II End Term
<b>12</b>	Executive: Meaning and characteristics of Executive	Executive: Meaning and characteristics of Executive	Lecture	2 & 3	Home Assignment
<b>13</b>	Executive: Functions of the Executive	Executive: Functions of the Executive	Lecture	2 & 3	Class Quiz Mid Term II End Term
<b>14</b>	Executive: Expansion in the functions of the Executive	Executive: Expansion in the functions of the Executive	Lecture	2 & 3	Home Assignment
<b>15</b>	Legislature: Meaning and Characteristics	Legislature: Meaning and Characteristics	Lecture	2 & 3	Class Quiz Mid Term II End Term
<b>16</b>	Legislature: Functions of Legislature	Legislature: Functions of Legislature	Lecture	2 & 3	Home Assignment
<b>17</b>	Delegated Legislation, Decline of Legislature	Delegated Legislation, Decline of Legislature	Lecture	2 & 3	Class Quiz Mid Term II End Term



18	Judiciary: Meaning and Characteristics	Judiciary: Meaning and Characteristics	Lecture	2 & 3	Home Assignment
19	Judiciary: Functions of Judiciary	Judiciary: Functions of Judiciary	Lecture	2 & 3	Class Quiz Mid Term II End Term
20	Independence of Judiciary and its greater role	Independence of Judiciary and its greater role	Lecture	2 & 3	Home Assignment
21	Legislature, Executive and Judiciary in the Indian Perspective	Legislature, Executive and Judiciary in the Indian Perspective	Lecture	2 & 3	Class Quiz Mid Term II End Term
22	Legislature, Executive and Judiciary in the Indian Perspective	Legislature, Executive and Judiciary in the Indian Perspective	Lecture	2 & 3	Home Assignment
23	Separation of Powers: Meaning and Nature	Separation of Powers: Meaning and Nature	Lecture	2 & 3	Assignment
24	Montesquieu's Separation of Powers	Montesquieu's Separation of Powers	Lecture	2 & 3	Assignment
25	Recent trends in Separation of Powers	Recent trends in Separation of Powers	Lecture	2 & 3	Sessional Exam
26	Separation of Powers in Parliamentary form of Government	Separation of Powers in Parliamentary form of Government	Lecture	2 & 3	Sessional Exam
27	Separation of Powers in Presidential form of Government	Separation of Powers in Presidential form of Government	Lecture	2 & 3	Quiz
28	Parliamentary Government: Meaning and Characteristics	Parliamentary Government: Meaning and Characteristics	Lecture	2 & 3	Class Quiz Mid Term II End Term
29	Parliamentary Government: Pros and Cons	Parliamentary Government: Pros and Cons	Lecture	2 & 3	Class Quiz Mid Term II End Term
30	Presidential Government: Meaning and Characteristics	Presidential Government: Meaning and Characteristics	Ppt	2 & 3	Class Quiz Mid Term II End Term
31	Presidential Government: Pros and Cons	Presidential Government: Pros and Cons	Ppt	2 & 3	Class Quiz Mid Term II End Term
32	Difference between Parliamentary and Presidential Government	Difference between Parliamentary and Presidential Government	Ppt	2 & 3	Class Quiz Mid Term II End Term
33	Unitary Government: Meaning and Features	Unitary Government: Meaning and Features	Ppt	2 & 3	Class Quiz Mid Term II End Term
34	Unitary Government: Pros and Cons	Unitary Government: Pros and Cons	Ppt	2 & 3	Class Quiz Mid Term II End Term
35	Federal Government: Meaning and Features and types of Federalism	Federal Government: Meaning and Features and types of Federalism	Ppt	2 & 3	Class Quiz Mid Term II End Term
36	Federal Government: Pros and Cons	Federal Government: Pros and Cons	Ppt	2 & 3	Class Quiz Mid Term II End Term
37	Difference between Unitary and Federal Government	Difference between Unitary and Federal Government	Ppt	2 & 3	Class Quiz Mid Term II End Term
38	Evolution of State	Evolution of State	<b>Lecture</b>	4 & 5	Class Quiz Mid Term II End Term

39	Rise and Government of Modern Nation State	Rise and Government of Modern Nation State	Lecture	4 & 5	Class Quiz Mid Term II End Term
40	Divine theory of the origin of State	Divine theory of the origin of State	Lecture	4 & 5	Class Quiz Mid Term II End Term
41	Limitations of Divine Theory	Limitations of Divine Theory	Lecture	4 & 5	Class Quiz Mid Term II End Term
42	Relevance of Divine theory in the present times	Relevance of Divine theory in the present times	Lecture	4 & 5	Class Quiz Mid Term II End Term
43	Force theory of the origin of the State	Force theory of the origin of the State	Lecture	4	Class Quiz End Term
44	Limitations of the Force Theory	Limitations of the Force Theory	Lecture	4	Class Quiz End Term
45	Significance of Force Theory in the present times	Significance of Force Theory in the present times	Lecture	4	Class Quiz End Term
46	Social Contract Theory: Hobbes	Social Contract Theory: Hobbes	Lecture	4	Class Quiz End Term
47	Social Contract Theory: Locke	Social Contract Theory: Locke	Lecture	4	Class Quiz End Term
48	Social Contract Theory: Rousseau	Social Contract Theory: Rousseau	Lecture	4 & 5	Class Quiz End Term
49	Limitations of Social Contract theory	Limitations of Social Contract theory	Lecture	4 & 5	Class Quiz End Term
50	Evolutionary Theory of the origin of State	Evolutionary Theory of the origin of State	Lecture	4 & 5	Class Quiz End Term
51	Limitations of Evolutionary Theory	Limitations of Evolutionary Theory	Lecture	4 & 5	Class Quiz End Term
52	Doubts Clearing Class	Doubts Clearing Class	Lecture	4 & 5	Assignment

## I. Course Articulation Principle (COs and POs mapping)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PO 1101.1	Basic understanding of the Political Science as a discipline	1		3	1	1		
PO 1101.2	Basic elements of the State	2		3	1			
PO 1101.3	Theories and functions related to the state	1		1	1	1		

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

**MANIPAL UNIVERSITY JAIPUR**

School of Basic Sciences

Department of Mathematics and Statistics



**A. Introduction:** This course is offered by Dept. of Mathematics and Statistics, targeting that the students who wish to pursue the empirical research based on the data set. Offers in depth knowledge of collecting, organizing, presenting and summarizing the qualitative and quantitative data and it gives the knowledge of nature of data, properties of distribution, descriptive statistical tools, central tendency, dispersion, moments, skewness and kurtosis, theory of attributes, that can be used to draw conclusions about the data.

**B. Course Outcomes:** At the end of the course, students will be able to

[I I03.1]. collect appropriate data from the field for the empirical study.

[I I03.2]. completely describe a data set using appropriate descriptive statistics.

[I I03.3]. demonstrate knowledge of, and applications of, appropriate descriptive statistical tools to the data set.

[I I03.4]. construct and analyze graphical displays to summarize data and enhance managerial skills to increase employability.

[I I03.5]. interpret a set of descriptive statistics results and understand the limitations of each measure.

[I I03.6]. utilize a comprehensive set of descriptive statistical methods, using calculator and statistical software, in order to organize, summarize, and display data in a meaningful way.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:

Criteria	Description	Maximum Marks
	Sessional Exam I (Closed Book)	20

Internal Assessment (Summative)	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS

**Introduction of Statistics:** Definition, scope, uses and limitations. **Types of Data:** Qualitative and quantitative data, nominal and ordinal data, time series data, discrete and continuous data, frequency and non-frequency data. **Collection of Data:** Collection of primary and secondary data- its major sources, classification and tabulation of data. **Presentation of Data:** Frequency distribution and cumulative frequency distribution, diagrammatic and graphical presentation of data, construction of bar, pie diagram, histogram, frequency polygon, frequency curve and ogives. **Measures of Central Tendency and Location:** Arithmetic mean, median, mode, geometric mean, harmonic mean, partition values-quartiles, deciles, percentiles and their graphical location along with their properties, applications, merits and demerits. **Measures of Dispersion:** Characteristics for an ideal measure of dispersion, absolute and relative measures of dispersion, range, inter quartile range, quartile deviation, coefficient of quartile deviation, Mean deviation, coefficient of mean deviation, standard deviation, coefficient of variation and properties of these measures. **Moments, Skewness and Kurtosis:** Moments about mean and about any point and their relationship, effect of change of origin and scale, Sheppard's correction for moments (without derivation), Charlier's checks, coefficients of skewness and kurtosis with their interpretations. **Theory of Attributes:** Dichotomy of data, class frequencies, order of class frequencies, consistency of data, independence and association of attributes, Yule's coefficient of association and coefficient of colligation.

## F. TEXT BOOKS

1. Gupta, S.C. and Kapoor, V.K., Fundamentals of Mathematical Statistics, Sultan Chand and Co., 3<sup>rd</sup> edition, New Delhi, 2008.
2. Gupta, S.C., Statistical Methods, Sultan Chand & Sons., New Delhi 2012.
3. Rohatgi, V.K., An introduction to Mathematical Statistics, John Wiley & Sons, 1976.

## G. REFERENCE BOOKS

1. Goon, A.M., Gupta M.K., Dasgupta, B., Fundamental of Statistics, Vol. I, World Press, 1975.
2. Yule, G.V. and Kendall, M.G., Introduction to Theory of Statistics, C. Griffin, 1976.
3. Kenny, J.F. and Keeping, E.S., Mathematics of Statistics, Vol. I, Chapman-Mall Ltd, London 1954.

## H. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	<b>Introduction to Statistics:</b> Definition, Scopes, uses and limitations	collect appropriate data from the field for the empirical study	Lecture	1103.1	NA
2,3	<b>Types of data:</b> Qualitative and quantitative data, nominal and ordinal data, time series data, discrete and continuous data, frequency and non-frequency data	collect appropriate data from the field for the empirical study	Lecture	1103.1	Home Assignment Class Quiz Mid Term I End Term
4,5	<b>Collection of data:</b> collection of primary and secondary data –its major sources, classification and tabulation of data	collect appropriate data from the field for the empirical study	Lecture	1103.1	In Class Quiz Mid Term I End Term
6,7	<b>Presentation of data:</b> frequency distribution and cumulative frequency distribution	collect appropriate data from the field for the empirical study	Lecture	1103.1	In Class Quiz Mid Term I End Term
8,9	Diagrammatic representation of data	collect appropriate data from the field for the empirical study	Lecture	1103.2	Class Quiz Mid Term I End Term
10, 11	Graphical representation of data	construct and analyze graphical displays to summarize data and enhance managerial skills to increase employability	Lecture	1103.2	Class Quiz Mid Term I End term
12	<b>Measures of central tendency and location:</b> Arithmetic mean its properties, applications and its merits and demerits	completely describe a data set using appropriate descriptive statistics	Lecture	1103.2	Class Quiz Mid Term I End Term
13,14	Geometric mean and Harmonic mean their properties, applications and their merits and demerits	completely describe a data set using appropriate descriptive statistics	Lecture	1103.2	Class Quiz Mid Term I End Term
15,16	Median its properties, applications and its merits and demerits	completely describe a data set using appropriate descriptive statistics	Lecture	1103.2	Class Quiz Mid Term I End Term
17,18	Mode its properties, applications and its merits and demerits	completely describe a data set using appropriate descriptive statistics	Lecture, Activity	1103.2	Class Quiz End Term Mid Term I
19,20	Partition values- quartiles, deciles, percentiles and their graphical location along with their properties, applications and their merits and demerits	completely describe a data set using appropriate descriptive statistics	Lecture	1103.3	Class Quiz End Term Mid Term I

<b>21,22</b>	<b>Measures of dispersion:</b> Characteristics for an ideal measure of dispersion, absolute and relative measure of dispersion, range, coefficient of range, properties of range	utilize a comprehensive set of descriptive statistical methods, using calculator and statistical software, in order to organize, summarize, and display data in a meaningful way.	Lecture	II03.3	Class Quiz Mid Term II End Term
<b>23,24</b>	Inter quartile range, quartile deviation, coefficient of quartile deviation and properties	utilize a comprehensive set of descriptive statistical methods, using calculator and statistical software, in order to organize, summarize, and display data in a meaningful way.	Lecture	II03.3	Class Quiz Mid Term II End Term
<b>25,26</b>	Mean deviation, coefficient of mean deviation and properties	interpret a set of descriptive statistics results and understand the limitations of each measure.	Lecture	II03.3	Class Quiz Mid Term II End Term
<b>27,28</b>	Standard deviation, coefficient of standard deviation and properties	interpret a set of descriptive statistics results and understand the limitations of each measure.	Lecture	II03.3	Class Quiz Mid Term II End Term
<b>29</b>	<b>Moments, Skewness and Kurtosis:</b> moments about mean, moments about any point and their relationship	interpret a set of descriptive statistics results and understand the limitations of each measure.	Lecture	II03.4	Class Quiz Mid Term II End Term
<b>30</b>	Effect of change of origin and scale, Sheppard's correction for moments	demonstrate knowledge of, and applications of, appropriate descriptive statistical tools to the data set.	Lecture	II03.4	Class Quiz Mid Term II End Term
<b>31</b>	Charlier's checks	demonstrate knowledge of, and applications of, appropriate descriptive statistical tools to the data set.	Lecture	II03.4	Class Quiz Mid Term II End Term
<b>32</b>	Coefficient of skewness and Kurtosis with their interpretations	demonstrate knowledge of, and applications of, appropriate descriptive statistical tools to the data set.	Lecture	II03.5	Class Quiz Mid Term II End Term

<b>33,34, 35,36</b>	<b>Theory of Attributes:</b> Dichotomy of data, class frequencies, order of class frequencies	demonstrate knowledge of, and applications of, appropriate descriptive statistical tools to the data set.	Lecture	1103.6	Class Quiz End Term
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**I. Course Articulation Matrix: (Mapping of COs with POs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>1103.1</b>	collect appropriate data from the field for the empirical study	2	2	1	2			3				
<b>1103.2</b>	completely describe a data set using appropriate descriptive statistics	2	3		3	2	3					
<b>1103.3</b>	demonstrate knowledge of, and applications of, appropriate descriptive	2	3	2	3							
	statistical tools to the data set.											
<b>1103.4</b>	construct and analyze graphical displays to summarize data and enhance managerial skills to increase employability	1	3		2	3		2				
<b>1103.5</b>	interpret a set of descriptive statistics results and understand the limitations of each measure.	2	3		3			2				
<b>1103.6</b>	utilize a comprehensive set of descriptive statistical methods, using calculator and statistical software, in order to organize, summarize, and display data in a meaningful way.	2	3		2							

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**A. Introduction:** This course is designed by Dept. of Economics as core course, to offer a sound training in microeconomic theory. As students are now familiar with the quantitative techniques studied in the previous semester this course looks at the behaviour of a competitive firm, labour market and Welfare economics too.

**B. Course Outcomes:** At the end of the course, students will be able to

[I224.1] Define and understand basic microeconomic terms and concepts.

[I224.2] Learn the various theories of microeconomics evolved through time.

[I224.3] Understand the linkages among the microeconomic factors.

[I224.4] Apply the tools of analysis to predict the economic consequences of various events.

[I224.5] Relate the micro-economic theory concepts to the practical world.

## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	



## E. SYLLABUS

**Market structures** Monopolistic competition: Characteristics of monopolistic competition; Group equilibrium, excess capacity; Characteristics of Oligopoly market: Sweezy's Kinked demand model & price rigidity; cartel & collusion, Leadership, Cournot's model; Concept of monopsony and bilateral Monopoly **Factor Pricing** The demand and supply for inputs; wages, rent, profits, interests **Welfare Economics** Meaning and concept of welfare economics; Pareto Optimality; theory of Second best; introduction to New welfare economics, Rationale for government intervention: market failure, externalities, asymmetric information, adverse selection and moral hazard.

## F. TEXT BOOKS

- Walter Nicholson, Christopher M. Snyder, *Intermediate Microeconomics and Its Application*, 2009.
- Theodore C. Bergstrom, Hal R. Varian, *Intermediate Microeconomics: A Modern Approach*, W.W. Norton, 2010.

## G. REFERENCE BOOKS

- H.L. Ahuja, *Advanced Economic Theory*, S. Chand and Co., 2007.
- Damodaran, Suma, *Managerial economics*, Oxford, 2012.
- Dwivedi, D.N., *Managerial economics*, Pearson, 2012.

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I, 2,3,4,5	Price and output determination of a firm in short run and long run	Understand price determination in perfect competition	Lecture	I224.1	Mid Sem, Assignment, End Sem
6,7, 8,9,10,11	Perfect competition & Monopoly: Relevance of perfect competition, allocative and technical inefficiencies of Monopoly	Understand the efficiency in perfect competition	Lecture	I224.1	Mid Sem, Assignment, End Sem
12,13,14,15	Price discrimination under Monopoly: Conditions, case studies	Cases related to Price Discrimination	case studies	I224.2	Mid Sem, Assignment, End Sem
16, 17,18,19	Monopolistic competition: Characteristics of monopolistic competition	Price Determination in Monopolistic Competition	case studies	I224.2	Mid Sem II, Assignment, End Sem
20,21,22	Group equilibrium, excess capacity	Group Equilibrium	Lecture	I224.2	Mid Sem II, Assignment, End Sem

23,24,25,26,27,28,29	Characteristics of Oligopoly market: Sweezy's Kinked demand model & price rigidity; cartel & collusion, Leadership, Cournot's model	Different market models in Oligopoly	Lecture	I224.3	Mid Sem II, Assignment, End Sem
30,31, 32,33,34	Concept of monopsony and bilateral Monopoly	Concept of Monopsony	case studies	I224.3	Mid Sem II, Assignment, End Sem
35,36,37,38,39,40	The demand and supply for inputs; wages, rent, profits, interests	Factor price determination	Lecture	I224.4	End Sem, Assignment
41,42,43, 44,	Meaning and concept of welfare economics; Pareto Optimality;	Welfare Economics	Lecture	I224.4	End Sem, Assignment
	theory of Second best; introduction to New welfare economics				
45,46,47,48	Capital Budgeting: NPV, Pay Back Period, ARR and ROI; IRR.	Investment analysis methods	case studies	I224.5	End Sem, Assignment

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EOI224.1	Define and understand basic microeconomic terms and concepts.	2						1						2		
EOI224.2	Learn the various theories of microeconomics evolved through time.	3						2						2		

EO1224.3	Understand the linkages among the microeconomic factors.							1								1
EO1224.4	Apply the tools of analysis to predict the economic consequences of various events.	1		1										2		1
EO1224.5	Relate the micro-economic theory concepts to the practical world.		1	2			2	2						2		2

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Intermediate Macro Economics| EO 1225 | 4 Credits | 3 1 0 4

A. **Introduction:** This course introduces the students to formal modelling of a macro-economy in terms of analytical tools. It discusses various possibilities emerging in an economy, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.

B. **Course Outcomes:** At the end of the course, students will be able to

[1225.1] Describe Fundamental relationship among saving, investment, the fiscal balance, and the trade balance

[1225.2] Derivation of aggregate demand and supply curves; interaction of aggregate demand and supply

[1225.3] Contribution of Ideas, innovations and internet to growth of an economy

[1225.4] Macroeconomic policy in an open economy

[1225.5] Determine of exchange rate and purchase power parity

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
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Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

## E. SYLLABUS

**Goods & Money Market: IS - LM curve analysis** Fundamental relationship among saving, investment, the fiscal balance, and the trade balance - The IS curve and the LM curve; derivation of aggregate demand and supply curves; interaction of aggregate demand and supply; Inflation and aggregate supply curve **Introduction to Business cycles and remedial measures** Boom & bust cycles; live examples from the great depression & recent recessions; Monetary and Fiscal Policy – objectives and instruments; Contractionary and expansionary Monetary Policy; Expansionary and Contractionary Fiscal Policy; Budgetary implications – Revenue deficit, fiscal deficit, primary deficit **Macroeconomic policy in an open economy** Short-run open economy models; Mundell-Fleming model; exchange rate determination; purchasing power parity; asset market approach; monetary approach to balance of payments; international financial markets **Unemployment** Measurement & definitions, international comparisons, NAIRU (non-accelerating inflation rate of unemployment); reducing unemployment **Contribution of Ideas, innovations and internet to growth of an economy** A fundamental change from the economics of goods to the economics of ideas; how internet is contributing to growth of economies; processes that are enabling convergence of ideas into innovations.

## F. TEXT BOOKS

- Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 2010.
- H L Ahuja, *Macro Economics*, S Chand, 2010
- Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7<sup>th</sup> edition, 2011.

## G. REFERENCE BOOKS

- Paul R. Krugman, Maurice Obstfeld and Marc Melitz, *International Economics*, Pearson Education Asia, 9<sup>th</sup> edition, 2012.
- I M Pandey, *Financial Management*, Vikas Publishing, Delhi, 2002.
- Nanadan Nilekani, *Imagining India*, Penguin Press, 2009.
- Thomas L. Friedman, *The World is Flat*, D&M Publishers, 2007.
- Nirmalya Kumar, Phanish Puranam, *India Inside: The Emerging Innovation Challenge to the West*, Harvard Business Review Press, 2012

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2,3,4	Goods & Money Market: IS - LM curve analysis Fundamental relationship among saving, investment, the fiscal balance, and the trade balance	Open Economy Model	Lecture & Cases	1225.1	Mid Sem I, Assignment, End Sem
5,6,7,8	The IS curve and the LM curve; derivation of aggregate demand and	AD – AS in Open Economy	Lecture	1225.1	Mid Sem I, Assignment, End Sem

	supply curves; interaction of aggregate demand and supply; Inflation and aggregate supply curve				
9,10,11,12	Introduction to Business cycles and remedial measures: Causes	Meaning & Causes	Lecture & Case	I225.2	Mid Sem I, Assignment, End Sem
13,14,15	Boom & bust cycles; live examples from the great depression & recent recessions	Recent Studies at global level	Lecture & Case	I225.2	Mid Sem II, Assignment, End Sem
16,17,18,19	Monetary and Fiscal Policy – objectives and instruments	Monetary and Fiscal Policy	Lecture	I225.3	Mid Sem II, Assignment, End Sem
20,21,22,23	Contractionary and expansionary Monetary Policy; Expansionary and Contractionary Fiscal Policy	The two macro economic policies during inflation	Lecture	I225.3	Mid Sem II, Assignment, End Sem
24,25	Budgetary implications – Revenue deficit, fiscal deficit, primary deficit	Union Budget & its components	Lecture & Case	I225.3	Mid Sem II, Assignment, End Sem
26,27	Discussion on current year budget	Implications	Lecture & Case	I225.3	Mid Sem II, Assignment, End Sem
28,29,30,31	Macroeconomic policy in an open economy; international financial markets	International Financial Markets	Lecture	I225.3	Mid Sem II, Assignment, End Sem
32,33,34	Short-run open economy models; Mundell-Fleming model	Exchange rate determination	Lecture	I225.4	Assignment, End Sem
35,36,37	exchange rate determination	Exchange rate determination	Lecture	I225.4	Assignment, End Sem
38,39,40	purchasing power parity; asset market approach; monetary approach to balance of payments	BOP & its equilibrium	Lecture & Case of India	I225.4	Assignment, End Sem
41,42,43,44,	<b>Unemployment</b> Measurement & definitions, international comparisons, NAIRU (non-accelerating inflation rate of unemployment); reducing unemployment	Inflation & Unemployment	Lecture	I225.5	Assignment, End Sem
45,46,47,48	Contribution of Ideas, innovations and internet to growth of an economy A fundamental change from the economics of goods to the economics	Innovation & in economy	Lecture	I225.5	Assignment, End Sem

	of ideas; how internet is contributing to growth of economies; processes that are enabling convergence of ideas into innovations				
49	Summary and Revision	Revision	Lecture	1225.5	Assignment, End Sem

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO1225.1	Describe Fundamental relationship among saving, investment, the fiscal balance, and the trade balance	3			2									1		
EO1225.2	Derivation of aggregate demand and supply curves; interaction of aggregate demand and supply	2					3							1		
EO1225.3	Contribution of Ideas, innovations and internet to growth of an economy	3				2								1		
EO1225.4	Analyze the roles of fiscal and monetary policy in fighting recessions and inflation			3				2							2	
EO1225.5	Determine exchange rate and purchase power parity	2					3								1	2

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Statistics for Economics| EO EO1226 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is designed to prepare students to evaluate problems and make decisions using Statistical analysis of data. Students can use these processes in any course where data is analysed and interpreted. Statistics is vital to all aspects of industry. The quantitative evaluation of a problem will often yield a different, more informed decision than a subjective one. This knowledge also makes students to comprehend and analyse enormous amount of statistics they encounter everyday outside of work. The focus is on concepts development and its application for problem solving and decision making by effectively using both Descriptive and Inferential Statistics.

**B. Course Outcomes:**

[I226.1] Develop understanding of measurement scales and distributional assumptions and how these influence choice of statistical methods.

[I226.2] To develop an understanding of statistical concepts and assumptions about methods and their validity. This would include the concept of the Regression criterion and its application.

[I226.3] Able to take an appropriate decision while interpreting the statistical output. This would enable the students to become competent in interpreting the statistical output and use it effectively in their professional career.

[I226.4] Evaluate problems and make decisions using Statistical analysis of data.

[I226.5] Apply its application for problem solving and decision making.

**C. Program Outcomes and Program Specific Outcomes**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**



Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

## E. Syllabus

**Definition and Introduction of Statistics:** Nature and Importance, Planning and Organization of statistical Survey, Classification and Tabulation of Data, Diagrammatic and Graphical representation of Data, **Measures of Central Tendency:** Arithmetic Mean, Median, Mode, Geometric Mean, Harmonic Mean and their characteristics, Positional Averages: quartiles, percentile, **Measures of Dispersion:** Range, Quartile Deviation, Mean Deviation, Standard Deviation and its characteristics, Coefficient of Variation, Coefficient of Variance, Measures of Skewness: Karl Pearson and Bowley; Lorenz Curve, **Correlation:** Definition and Classification, Scatter Diagram, Karl Pearson's Coefficient of Correlation, Spearman Rank Correlation, Concurrent deviation method, probable Error, Coefficient of determination, **Regression:** Definition and Classification, Regression lines, Regression Coefficients, Regression Equations, Relationship between Regression and Correlation coefficient, **Index Numbers:** Definition and Characteristics, Use of Index Number, Methods of Constructing of Index Number, Problem in Construction of Index Numbers, Weighted and unweight Index Number, Tests of Adequacy, Chain Base Index Number, Shifting of Base, Cost of living Index Number, understanding BSE and NSE Indices, **Analysis of Time Series: Component of Time Series:** Measurement of trends, graphic method, Semi Average method, Moving average method and least square method, Exponential trends, Growth Curves, **Interpolation and Extrapolation:** Methods of Interpolation: Binomial Expansion, Newton's method, Extrapolation,

## F. Text Books

- S.P Gupta (2012) "Statistical Methods", Sultan Chand and Company, New Delhi , latest Edition
- Richard I Levin and David S. Rubin (2013), "Statistics for Management" Pearson Education , New Delhi, latest Edition

## G. Reference Books:

- Aczel Amir D. (2010), "Complete Business Statistics", Tata McGraw Hill Publishing Company Limited, New Delhi.
- D.C Sancheti and V.K Kapoor (2010), "Statistics: Theory, Methods and Applications" Sultan Chand and Company, New Delhi latest edition.
- Ken Black (2010), "Business Statistics for Contemporary Decision Making" Wiley Student latest Edition
- Naval Bajpai (2013), "Business Statistics" Pearson Education, New Delhi latest Edition
- Sincich Terry (2010), "Business Statistics by Example", Prentice Hall, New Jersey.

## H. Lecture Plan:

Lec. No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Definition & Introduction of Statistics	To acquaint and clear the overview of the course	Lecture	NA	NA
2-4	Advantages, limitations and importance of statistics. Classification and Tabulation of Data, Diagrammatic & Graphical representation of Data	Develop understanding of data with table and diagram	Lecture	1226.1	Mid Term I End Term

5-9	Measurement of Central Tendency: AM,GM,HM	Develop understanding of the measurement of AM,GM,HM	Lecture	I226.1	Mid Term I End Term
10-12	Median, Mode	Develop understanding of the measurement of Median, Mode	Lecture	I226.1	Mid Term I End Term
13-20	Measure of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation	Able to take an appropriate measure of dispersion	Lecture	I226.3	Mid Term II End Term
21-22	Gini Coefficient & Lorenz Curve	Able to take an appropriate measure of Gini Coefficient & Lorenz Curve	Lecture	I226.3	Mid Term II End Term
23-25	Skewness & Kurtosis	Able to take an appropriate measure of Skewness & Kurtosis	Lecture	I226.3	Home Assignment Mid Term II End term
26-28	Correlation: Karl Pearson's Coefficient of Correlation	To develop an understanding of statistical concepts of Correlation	Lecture	I226.2	Mid Term II End Term
29-30	Spearman Rank Correlation	To develop an understanding of statistical concepts Spearman Rank Correlation	Lecture	I226.2	Mid Term II End Term
31-33	Regression: Regression Coefficients, Regression Equations	To develop an understanding of statistical concepts Regression	Lecture	I226.2	Mid Term II End Term
34-36	Index Number: Definition & Characteristics, Use, Problem and methods in Construction of Index Number	Evaluate problems and make decisions using Index Numbers	Lecture	I226.4	End Term
37-40	Value & Value of Index Number, Testing of Adequacy, Chain Index Number,	Evaluate problems and make decisions using Recall all the concepts discussed in previous classes	Lecture	I226.4	End Term
41-47	Analysis of Time Series: Component of Time Series, Measurement of trends, graphic method, Semi Average method, Moving average method, least square method, Exponential trends , Growth Curves,	To focus on concepts development and its application related to Probability Theory	Lecture	I226.5	Home Assignment End Term
48-51	Interpolation, Methods of Interpolation: Binomial Expansion, Newton's method,	To focus on concepts development and its application related to interpolation	Lecture	I226.5	End Term
52-54	Extrapolation, Methods of Extrapolation	To focus on concepts development and its application related to extrapolation	Lecture	I226.5	End Term
55-56	Conclusion and Course Summarization	Recall all the concepts discussed in previous classes	Lecture	I226.5	End Term

#### J. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
1226.1	Develop understanding of measurement scales and distributional assumptions and how these scales influence choice of statistical methods.	2						2								2
1226.2	To develop an understanding of statistical concepts and assumptions about methods and their validity. This would include the concept of the Regression criterion and its application 3of real world.	2						2								2
1226.3	Able to take an appropriate decision while interpreting the statistical output. This would enable the students to become competent in interpreting the statistical output and use it effectively in their professional career.	2						2								3
1226.4	Evaluate problems and make decisions using Statistical analysis of data.	2						2								2
1226.5	Apply its application for problem solving and decision making.	2					1	2								2

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

**A. Introduction:-**

Data analytics is a new branch of statistics that is a combination of statistical techniques and technology. It is an important subject and step in all spheres of data analysis. The course aims at providing the basics of data analysis with emphasis on some commonly statistical techniques like correlation, regression, autocorrelation, etc.

**B. Course Outcomes:** At the end of the course, students will be able to

<b>I227.1</b>	Demonstration about using R
<b>I227.2</b>	Understand how to perform exploratory data analysis using R
<b>I227.3</b>	Use of R as a programming language to enhance programming skill to make industry ready
<b>I227.4</b>	Understand the concept of correlation and regression
<b>I227.5</b>	Understand the concept of classical tests
<b>I227.6</b>	Implementation of R in logistic regression and survival analysis

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:-**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

### E. SYLLABUS:-

**Getting Started and Basics:** An introductory R session, R as a calculator, Vectors and matrices, Getting help and loading packages, Data entry and exporting data; **Exploratory Data Analysis with R:** Summary statistics, Graphics in R, Probability and Distribution; **R Programming:** R as a programming language, grouping, loops and conditional execution; **Regression and correlation:** Simple regression and correlation, multiple regression, Regression diagnostics Functions; **Classical tests:** One-sample tests, Two-sample tests, Tests on more than two samples; **Logistic Regression and Survival Analysis:** Logistic Regression and Survival Analysis in R.

### F. Text/ Reference Books

- Gareth James, Daniela Witten, Trevor Hastie and Robert Tibshirani. 2008. "An Introduction to Statistical Learning (ISL)". Springer.
- Ken Kleinman and Nicholas J. Horton. 2014. "SAS & R: Data Management, Statistical Analysis and Graphics". CRC Press.
- Jaynal Abedin. 2014. "Data Manipulation with R". Packt Publishing.

### G. Lecture Plan:-

Lec. No.	Topic	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	An introductory R session, R as a calculator, Vectors and matrices	To gain basic knowledge of R	Lecture	1227.1	NA
3,4	Getting help and loading packages, Data entry and exporting data	Can become familiar with data handling technique	Lecture	1227.1	Home Assignment and Class Quiz Mid-Term I End-Term
5,6	Summary statistics	Basic Concepts of statistics	Lecture	1227.2	Home Assignment and Class Quiz Mid-Term I End-Term
7	Graphics in R	Become able to plot graphs	Lecture	1227.2	Home Assignment and Class Quiz Mid-Term I End-Term
8,9	Probability and Distribution	Basic knowledge of	Lecture	1227.2	Home Assignment and Class

		probability theory			Quiz Mid-Term I End-Term
<b>10</b>	R as a programming language	Become well versed in programming	Lecture	1227.3	Home Assignment and Class Quiz Mid-Term I End-Term
<b>11,12</b>	grouping, loops and conditional execution	Can apply loops in programming	Lecture	1227.3	Home Assignment and Class Quiz Mid-Term I End-Term
<b>13,14</b>	<b>Regression and correlation:</b> Simple regression and correlation	Can find predicted values using R	Lecture	1227.4	Home Assignment and Class Quiz Mid-Term I End-Term
<b>15,16, 17</b>	multiple regression, Regression diagnostics Functions	Can find predicted values using R	Lecture	1227.4	Home Assignment and Class Quiz Mid-Term II End-Term
<b>18, 19, 20</b>	One-sample tests	Helpful for drawing inferences	Lecture	1227.5	Home Assignment and Class Quiz Mid-Term II End-Term
<b>21, 22</b>	Two-sample tests	Helpful for drawing inferences	Lecture	1227.5	Home Assignment and Class Quiz Mid-Term II End-Term
<b>23</b>	Tests on more than two samples	Helpful for drawing inferences	Lecture	1227.5	Home Assignment and Class Quiz Mid-Term II End-Term
<b>24</b>	<b>Logistic Regression and Survival Analysis:</b> Logistic Regression	Helpful for drawing inferences	Lecture	1227.6	End-Term
<b>25</b>	Survival Analysis in R	Helpful for drawing inferences	Lecture	1227.6	End-Term

#### H. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME	CORRELATION WITH PROGRAM SPECIFIC OUTCOME
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		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
I227.1	Demonstration about using R					2	2	3				
I227.2	Understand how to perform exploratory data analysis using R				1							
I227.3	Use of R as a programming language to enhance programming skill to make industry ready				2	1	2	3				
I227.4	Understand the concept of correlation and regression											
I227.5	Understand the concept of classical tests						3	3				
I227.6	Implementation of R in logistic regression and survival analysis				1							

I:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Environmental Science| CY I I20 | 3 Credits | 3 0 0 3

A. **Introduction:** This course is offered by Dept. of Chemistry as a Compulsory Course, targeting students who are studying in undergraduate courses of higher education of all branches including Science, Arts, Social Sciences, Business and Commerce, Journalism and Mass Communication. Offers the knowledge of how natural world works, Environmental and natural processes which effects humans and how human activities and developmental processes change the environment and natural systems. Conservation of nature and natural resources, ecosystems and their services, biodiversity loss and its conservation, environmental pollution, effects and control, environmental policies and practices, human communities and the environment. Students are expected to have basic knowledge of science and social sciences for a better learning.

B. **Course Outcomes:** At the end of the course, students will be able to

[I I20.1] Acquire awareness and sensitivity to environmental and its allied problems.

[I I20.2] Acquire skills for identifying and solving environmental problems.

[I I20.3] Find out the environmental problems concerning with human activities and developmental processes.

[I I20.4] Understand the strategies for conservation of nature and natural resources and to solve the emerging problems related to environment degradation.

[I I20.5] Understand the environmental issues in relation to socio-economic growth and human development.

[I I20.6] Understand the balance between development and environment for environmental sustainability and sustainable development.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### A. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A make up assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**INTRODUCTION TO ENVIRONMENTAL STUDIES** Multidisciplinary Nature of Environmental Studies, Scope and importance, concept of sustainability and sustainable development **ECOSYSTEMS** Concept, structure and function, energy flow in an ecosystem, food chain, food webs and ecological succession, Forest, Grassland, Desert and Aquatic (Ponds, Streams, Lakes, River, Oceans, Estuaries) ecosystem **NATURAL RESOURCES (RENEWABLE & NON RENEWABLE RESOURCES)** Land Resources and land use change, Land degradation, soil erosion and desertification; Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies **BIODIVERSITY AND CONSERVATION** Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots, India as a mega-biodiversity nation; Endangered and endemic species of India, Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: *In-situ* and *Ex-situ* conservation of biodiversity.



Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value; **ENVIRONMENTAL POLLUTION** Environmental Pollution: type, causes, effects, and controls; Air, Water, Soil and Noise pollution, Nuclear hazards and human health risks, ill effects of fireworks, Solid waste management: control measures of urban and industrial waste, pollution case studies **ENVIRONMENTAL POLICIES & PRACTICES** Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture, Environment laws; Environmental Protection Act, Air (Prevention and Control of Pollution) Act, Water (Prevention and control of Pollution) Act, Wildlife Protection Act, Forest Conservation Act; International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD). Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context **HUMAN COMMUNITIES AND THE ENVIRONMENT** Human population growth: impact on environment, human health and welfare, Resettlement and rehabilitation of project affected persons; case studies, Disaster management: flood, earthquake, cyclone and landslides. Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan, Environmental ethics: Role of Indian and other religions and cultures in environmental conservation, Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi). **Field Work** and visit.

## D. TEXT BOOKS

T1. Rajagopalan, R., Environmental Studies: From Crisis to Cure, Oxford University Press, 2016. T2. De, A. K. *Environmental Studies*, New Age International Publishers, New Delhi, 2007.

T3. Bharucha, E., *Text book of Environmental Studies for undergraduate courses*, Universities Press, Hyderabad, 2<sup>nd</sup> Edition, 2013.

## E. REFERENCE BOOKS

R1. Gadgil, M., & Guha, R. *This Fissured Land: An Ecological History of India*. Univ. of California, Press, 1993. R2. Carson, R. *Silent Spring*. Houghton Mifflin Harcourt, 2002.

R3. Groom, Martha J., Gary, K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.

R4. Singh, J.S., Singh, S.P., Gupta, S.R. Ecology, Environmental Science and conservation. S. Chand Publishing, New Delhi, 2014. R5. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). *Conservation Biology: Voices from the Tropics*. John Wiley & Sons, 2013.

## F. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction to Environmental Studies: multidisciplinary nature of environmental studies	Explain about environment and its processes and to interpret as multidisciplinary subject	Lecture	1120.1	NA
2	Scope and importance, concept of sustainability and sustainable development	Recall concept of sustainability, Explain sustainable development, Scope and	Lecture	1120.1	Mid Term I End Term

		importance of environmental science			
3,4	Ecosystem: concept, structure and function, Energy flow in an ecosystem, food chain, food webs	Explain ecosystem with structure, flow of energy, nutrients cycling in the ecosystem, food chain and food webs	Lecture	1120.1	In Class Quiz Mid Term I End Term
5,6	Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystem (Ponds, Streams, Lakes, River, Oceans, Estuaries)	Explain different type ecosystem with examples of terrestrial and aquatic ecosystem and their importance	Lecture	1120.1	In Class Quiz Mid Term I End Term
7.8	Ecological succession, Natural Resources (Renewable & Non Renewable Resources): Land Resources and land use change, Land degradation	Recall Ecological succession and its type, Explain different Natural Resources including Land Resources and land use change	Lecture	1120.1	In Class Quiz Mid Term I End Term
9	Soil erosion and desertification	Recall soil degradation by erosion and desertification	Lecture	1120.2	Mid Term I End Term
10	Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations	Recall Deforestation processes and their impact on the environment and biodiversity	Lecture	1120.2	Mid Term I End Term
11	Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).	Recall distribution and consumption pattern of water across the world and its related environmental issues including overexploitation and conflicts	Lecture	1120.2	Mid Term I End Term
12	Energy resources: Renewable and Non-renewable energy sources	Recall different Energy resources including coal, oil, nuclear and their environmental impacts on the environment and on human health	Lecture	1120.2	Mid Term I End Term
13	Use of alternate energy sources	Explain other energy resources including solar, water, wind, geothermal and hydrogen energy for sustainability.	Lecture	1120.2	Mid Term I End Term
14	Growing energy needs, case studies	Recall energy demand and supply in different sector and their environmental concern	Lecture	1120.2	Mid Term I End Term

15,16	Biodiversity and conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India	Recall different variety and variability of plants and animals Explain different type of biodiversity and Biogeographic zones of India	Lecture	I I 20.3	Mid Term II End Term
17	Biodiversity patterns and global biodiversity hot spots	Compare biodiversity at national and global level and ecological hotspots for their respective biodiversity	Lecture	I I 20.3	Mid Term II End Term
18	India as a mega-biodiversity nation; Endangered and endemic species of India	Recall different mega-diversity nation including India Describe different Endangered and endemic species of India	Lecture	I I 20.3	Mid Term II End Term
19	Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions	Explain biodiversity loss and their reasons, Explain biological invasive species and their impact on biodiversity	Lecture	I I 20.3	Mid Term II End Term
20	Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and informational value	Explain the goods and services provided by biodiversity and the ecosystem	Lecture	I I 20.4	Mid Term II End Term
21	Conservation of biodiversity: <i>In-situ</i> and <i>Ex-situ</i>	Explain different measures of conservation of biodiversity, Description of National parks, wildlife sanctuaries etc.	Lecture	I I 20.4	Mid Term II End Term
22	Environmental pollution: type, causes, effects, and controls of Air Pollution	Recall air pollution and their effects and explain different air pollutants and their impacts on environment and human health	Lecture	I I 20.5	Mid Term II End Term
23	ill effects of fireworks , Controls of Air Pollution	Describe harmful impact of fireworks and control methods of air pollutants like ESP, Scrubber	Lecture	I I 20.5	Mid Term II End Term
24	Type, causes, effects of Water Pollution	Describe water pollutants and their effects, BOD, COD, water quality parameters, DO, TSS	Lecture	I I 20.5	Mid Term II End Term

25	Controls of Water Pollution	Describe conventional and advance methods for prevention and control of water pollution	Lecture	I I 20.5	Mid Term II End Term
26	Causes, effects of Soil and Noise Pollution, Nuclear hazards and human health risks	Explain the Causes, effects of Soil and Noise Pollution, Nuclear hazards and human health risks	Lecture	I I 20.5	Mid Term II End Term
27	Solid waste management: control measures of urban and industrial waste	Describe different type of solid waste and their methods of management	Lecture	I I 20.5	Mid Term II End Term
28,29	Pollution case studies, Environmental Policies & Practices: Climate change and global warming, International agreements: Kyoto protocols and Convention on Biological Diversity (CBD)	Recall of environmental pollution with some case studies, Describe sources and effects of greenhouse gases in global warming and climate change and their environmental impact, Explain different treaties for reduction of greenhouse gases and conservation of biodiversity	Lecture	I I 20.6	Mid Term II End Term
30,31	Ozone layer depletion, Montreal protocols, Acid rain and impacts on human communities and agriculture	Explain the importance of ozone layer and causes of its depletion, control measures, Describe the Acid Rain with its effects and control	Lecture	I I 20.6	End Term
32,33	Environment laws; Water (Prevention and control of Pollution) Act, Air (Prevention and Control of Pollution) Act, Environmental Protection Act,	Describe the provision of Water Act, 1974, Air Act, 1981 for prevention and control of water and air pollution, Explain EPA, 1986	Lecture	I I 20.6	End Term
34,35	Wildlife Protection Act, Forest Conservation Act; Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context, Human communities and the Environment: Human population growth: impact on environment	Describe the provision of Wildlife Protection Act, Forest Conservation Act, Explain Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context, impact of	Lecture	I I 20.6	End Term

		population growth on environment			
36, 37	Human health and welfare, Resettlement and rehabilitation of project affected persons; case studies, Disaster management: flood, earthquake, cyclone and landslides	Explain human health with respect to environment, measures of disaster management, Describe natural disasters and their impact	Lecture	I I 20.6	End Term
38	Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan,	Describe different movement in Indian continents for conserve environment and their socio-economic importance	Lecture	I I 20.6	End Term
39, 40	Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi). Revision on Ecosystem and Natural Resources	Describe role of ethics in preservation and conservation of environment, environmental awareness programme, green energy concept and revision	Lecture	I I 20.6	End Term
41-42	Revision on Biodiversity & Conservation, Environment Pollution and Environmental Policies	Revision for preparation for end term exam	Lecture	I I 20.6	Class quiz End Term

## G. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PSO 1	PSO 2	PSO 3
CY 1120.1	To help students acquire awareness and sensitivity to environmental and its allied problems.		1	3			3	2						
CY 1120.2	To help students acquire skills for identifying and solving environmental problems.	2		1	1	2	3	2						
CY 1120.3	Student would be able to find out the environmental problems concerning with human activities and developmental processes.		1	2	2		3							
CY 1120.4	Students could understand the strategies for conservation of nature and natural resources and to solve the emerging problems related to environment degradation.	3				2	3	3						
CY 1120.5	Understand the environmental issues in relation to socio-economic growth and human development.	3	2	1	1	3	3	2						
CY 1120.6	Understand the balance between development and environment for environmental sustainability and sustainable development.	2	1	2	1	3	3	2						

2- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



### MANIPAL UNIVERSITY JAIPUR

School of Humanities and Social Sciences

Course Hand-out

Value Education | VE 1201 | 2 Credits | 2 0 0 2

A. **Introduction:** This course is offered to improve understanding of values ethics. To make the students responsible citizens in the personal and social life. This course develop proper attitude towards self and others. Students will demonstrate understanding of Values and Ethics in general. This course covers basic concepts of living in Harmony.

B. **Course Outcomes:** At the end of the course, students will be able to

[1201.1] Understand the concept of value education and ethics. Realise the significance of Values in Self-development.

[1201.2] Identify and analyze an ethical issue in the subject matter under investigation or in a relevant field.

[1201.3] Through self Exploration will understand the concepts of happiness and prosperity.

[1201.4] Understand harmony within self and entire existence.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	

Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.
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## E. SYLLABUS

### Unit: 1

Meaning of value education, Meaning of value, Meaning of education, Three 'R' Education ,Four 'H' Education Areas of education, Three Guna's, List of value

### Unit: 2

Understanding Value Education; Self-exploration as the Process for value education; The Basic Human Aspiratio  
–Continuous Happiness and Prosperity; The Program to Fulfill Basic Human Aspirations

### Unit: 3

Understanding The Harmony At Various Levels: Understanding in the Human being as Co-existence of Self('I') and Body; Harmony in the Self ('I') -Understanding Myself; Harmony with the Body; Harmony with the family; Harmony in the Society; Harmony in Nature; Harmony in existence

## F. TEXT BOOKS/ Reference Books

1. N.R. Swaroop Saxena, "Philosophical and Sociological Foundation of Education," published by R. Lall Book Depot, Meerut, 2011 Edition.
2. R.R. Gaur, R. Sangal and G.P. Bagaria,"A Foundation Course in Human Values Professional Ethics," Published by Excel Books, 2010 Edition.
3. Singh,Y. K. (2009). Value education. New Delhi: APH Publishing Corporation.
4. The Power to be Your Best, Duncan Todd, Magna publishers limited, Mumbai 2001

## G. Lecture Plan:

	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
2	Meaning of Values and Value Education	Meaning of Values and Value Education	Lecture	1201.1	Mid term I End term
3	3R of education, 4h factor of education	3R of education, 4h factor of education	Lecture	1201.1	Mid term I End term
4	Concept of three Gunas and their relevance	Concept of three Gunas and their relevance	Lecture	1201.1	Mid term I End term
5	Nature and Types of Values	Nature and Types of Values	lecture	1201.1	Mid term I End term
6	Classification of Values	Classification of Values	Lecture	1201.2	Mid term I End term
7	Basic concepts of Moral, Ethics and Values	Basic concepts of Moral, Ethics and Values	Lecture	1201.2	Mid term I End term



8,9	Understanding Value Education	Understanding Value Education	Lecture	<b>I201.2</b>	Mid term I End term
10,11	Happiness and Prosperity	Happiness and Prosperity	Lecture	<b>I201.3</b>	Mid term I End term
12	Self exploration as the process for Value Education	Self exploration as the process for Value Education	Lecture	<b>I201.3</b>	Mid term I End term
13,14	The programme to fulfil basic human aspirations	The programme to fulfil basic human aspirations	Lecture	<b>I201.3</b>	Mid term 2 End term
15,16	Case Study methods for problem solving	Case Study methods for problem solving	Lecture, practice and practical	<b>I201.3</b>	Mid term 2 End term
17	Understanding the Harmony at various levels	Understanding the Harmony at various levels	Lecture	<b>I201.1</b>	Mid term 2 End term
18	Harmony with Self	Harmony with Self	Lecture	<b>I201.4</b>	Mid term 2 End term
19	Harmony with Body	Harmony with Body	Lecture	<b>I201.4</b>	Mid term 2 End term
20	Harmony with Family	Harmony with Family	Lecture	<b>I201.4</b>	Mid term 2 End term
21	Harmony with Society	Harmony with Society	Lecture	<b>I201.4</b>	End term
22	Harmony with Nature and Environment	Harmony with Nature and Environment	Lecture	<b>I201.4</b>	End term
23	Harmony in entire existence	Harmony in entire existence	Lecture	<b>I201.4</b>	End term
24	Understanding World Family	Understanding World Family	Lecture	<b>I201.4</b>	End term
25	Revision	Revision			

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
<b>VE I201.1</b>	Understand the concept of value education and ethics. Realise the significance of Values in Self-development.				<b>1</b>	<b>3</b>					
<b>VE I201.2</b>	To identify and analyze an ethical issue in the subject matter under investigation or in a relevant field.				<b>1</b>	<b>3</b>		<b>1</b>			
<b>VE I201.3</b>	Through self Exploration will understand the concepts of happiness and prosperity					<b>2</b>		<b>3</b>			
<b>VE I201.4</b>	To Understand harmony within self and entire existence.					<b>1</b>		<b>1</b>			

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

English Prose and Fiction I | EN 1202 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Department of Languages as a subsidiary course to the students of BA Economics Hons, in 2<sup>nd</sup> Semester. This course is a genre-based introduction to English prose and fiction. The course explores representative English-language literary texts like novels, short stories, essays, etc. from Elizabethan period to the Victorian age, so as to illuminate various types, forms and techniques utilized in these prime generic groups. The course exposes students to varied literary and scholarly approaches to the study of literary texts.

**B. Course Outcomes:** At the end of the course, students will be able to

[1202.1] Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally.

[1202.2] Develop familiarity with a selection of important works within English-language prose literature.

[1202.3] Analyze and explain how different types of prose convey stories or meanings.

[1202.4] Read literary prose texts critically and independently.

[1202.5] Compare and contrast literary devices, styles, etc. employed by writers across various ages and genres of English prose and fiction.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS**

**F Bacon's** "Of Studies"; **R Steele's** "The Spectator Club" and "The Art of Conversation"; **C Lamb's** "Dream Children" and "Chimney Sweepers"; **T De Quincey's** "Literature"; **B Russell's** "Machine and Emotions"; **H Belloc's** "On Educational Reform"; **V Woolf's** *Flush: A Biography*; **K Mansfield's** "A Cup of Tea"; **A Chekhov's** "A Work of Art"; **L Tolstoy's** "How Much Land Does a Man Need?"; **T Hardy's** *Far From the Madding Crowd* ; **W Golding's** *Lord of the Flies*.

**F. TEXT BOOKS/**

*English Prose Selection*, Oxford University Press, 1990.

M G Nayar (ed.), *A Galaxy of English Essayists: From Bacon to Beerbohrn*, Macmillan.

*Popular Short Stories*, Oxford: Oxford UP, 1988.

**G. Reference Books**

1. D Bryfonski, *Violence in William Golding's Lord of the Flies*. New York: Green Haven P, 1968.

2. R W V Elliott, *A Critical Commentary on Thomas Hardy's Far from the Madding Crowd*, Macmillan: Macmillan, 196

**H. Lecture Plan:**

LEC NO	TOPICS	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally.	Lecture & Interface	[I202.1]	NA
2	Introduction to Prose- Genres	Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally;  Develop familiarity with a selection of important works within English-language prose literature.	Lecture & Discussion	[I202.1] & [I202.2]	Class Tests, Assignments, Sessionals, End Term Examination
3 & 4	Characteristics and socio-cultural conditions of particular ages of English Literature with reference to Prose writings	Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally;  Develop familiarity with a selection of important works within English-language prose literature.	Lecture & Discussion	[I202.1] & [I202.2]	Class Tests, Assignments, Sessionals, End Term Examination
5 & 6	Features and Style of Prose writing	Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally;  Develop familiarity with a selection of important works within English-language prose literature.	Lecture & Discussion	[I202.1] & [I202.2]	Class Tests, Assignments, Sessionals, End Term Examination
7-9	<b>F Bacon's</b> "Of Studies"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
10-12	<b>R Steele's</b> "The Spectator Club"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
13-15	"The Art of Conversation"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
16-18	<b>C Lamb's</b> "Dream Children" and "Chimney Sweepers";	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
19-21	<b>T De Quincey's</b> "Literature"	Enrich analytical skills for different types of prose and fiction	Lecture, self-study,	[I202.3] & [I202.4]	Class Tests, Assignments,
		Read literary prose texts critically and independently.	& Discussion		Sessionals, End Term Examination
22-24	<b>H Belloc's</b> "On Educational Reform"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination

25-27	<b>K Mansfield's</b> "A Cup of Tea"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
28-30	<b>A Chekhov's</b> "A Work of Art"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
31- 33	<b>L Tolstoy's</b> "How Much Land Does a Man Need?"	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
34-38	<b>V Woolf's</b> <i>Flush: A Biography</i>	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, & Discussion	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
39-44	<b>T Hardy's</b> <i>Far From the Madding Crowd</i>	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, Discussion & Movie screening (on availability)	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
45-51	<b>W Golding's</b> <i>Lord of the Flies</i>	Enrich analytical skills for different types of prose and fiction  Read literary prose texts critically and independently.	Lecture, self-study, Discussion & Movie screening (on availability)	[I202.3] & [I202.4]	Class Tests, Assignments, Sessionals, End Term Examination
52	Revision and Problem Solving	Compare and contrast literary devices, styles, etc. employed by writers across various ages and genres of English prose and fiction.	Discussion	[I202.5]	NA

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO7	PSO 1	PSO 2	PSO 3
EN 1202.1	Understand texts in relation to their historical and cultural contexts, and to become more aware of themselves as situated historically and culturally.	2		2							
EN 1202.2	Develop familiarity with a selection of important works within English-language prose literature.							1			
EN 1202.3	Analyze and explain how different types of prose convey stories or meanings.		2								
EN 1202.4	Read literary prose texts critically and independently		2								

EN I202.5	Compare and contrast literary devices, styles, etc. employed by writers across various ages and genres of English prose and fiction.	1	2					1			
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**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Basic Psychological Processes-II | PS1202 | 3 Credits | 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary, targeting students who wish to acquire basic knowledge of psychology through both primary and secondary sources, and will learn relevant terms, facts, concepts, and theories. Offers in depth knowledge of theories of various higher mental Processes.

**B. Course Objectives:** At the end of the course, students will be able to

I202.1 Explain the nature of Intelligence and identify its determinants.

I202.2 Define personality and examine its determinants

I202.3 Understand the concept of reasoning and Thinking

I202.4 Enumerate the nature theories and stages of the language development in human beings.

I202.5 Comprehend the effect of nature and nurture on human development.

### **C. Program Outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### **D. Assessment Rubrics:**

<b>Criteria</b>	<b>Description</b>	<b>Maximum Marks</b>
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Open Book)	50
	<b>Total</b>	<b>100</b>
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### **E. Syllabus**

**Human Intelligence:** Meaning and Nature of Intelligence – Theories of Intelligence- Factor theories and Cognitive models of intelligence; Determinants of intelligence, Genetic and Environmental influences; Measurement of Intelligence. Different tests of intelligence; Creativity and Intelligence; **Personality:** Definition and Meaning of personality; Biological and socio-cultural determinants of personality; Approaches to study of personality- Psychoanalytical, Neo-Freudian, Trait and Type, Learning, Humanistic, Biological and evolutionary; Assessment of personality; **Thinking and Reasoning:** Mental image and Concept formation; Types of Thinking-

Divergent & Convergent thinking, Reasoning; Problem Solving; Creative Thinking; **Language Development:** Nature and development of language, theories of language development; Stages of language development. Language and thinking; **Human Development:** Nature vs Nurture; Prenatal, Infancy and Childhood, Adolescence and Adulthood- Physical, Cognitive and Social and emotional development; **Adjustment, Stress and Coping:** Definition & Nature of adjustment and stress; Types and Sources of stress; Coping and stress management techniques.

**Textbooks:**

1. Feldman R. S. Understanding Psychology, IV edition, McGraw Hill India, 1996

2. Robert A. Baron, Psychology, III edition, Prentice Hall India, 1995

3. Morgan, King, Weiss and Schopler, Introduction to Psychology, VII edition, McGraw Hill, India, 1989

**Reference:**

1. Wortman and Loftus, Psychology, IV edition, McGraw Hill International, 1992

2. Zimbardo, Johnson & Vivian, Psychology: Core Concepts, 7/E, Pearson Education, 2012

**F. Lecture Plan:**

Lecture No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode Assessing of the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
2,3,4, 5,6	<b>Human Intelligence:</b> Meaning and Nature of Intelligence – Theories of Intelligence- Factor theories and Cognitive models of intelligence; Determinants of intelligence, Genetic and Environmental influences; Measurement of Intelligence. Different tests of intelligence; Creativity and Intelligence	To understand the concept and nature of Intelligence and the role of nature and nurture on intelligence.	Lecture	I202.1, I201.2	Through presentation
7,8, 9,10	<b>Personality:</b> Definition and Meaning of personality; Biological and socio-cultural determinants of personality; Approaches to study of personality- Psychoanalytical, Neo-Freudian, Trait and Type, Learning, Humanistic, Biological and evolutionary; Assessment of personality	Able to explain the concept and various approaches to personality. Able to assess personality.	Lecture	I202.1, I202.2, I202.3	Home Assignment
11,12,13, 14,15,16	<b>Thinking and Reasoning:</b> Mental image and Concept formation; Types of Thinking- Divergent & Convergent thinking, Reasoning; Problem Solving; Creative Thinking;	Will be able to comprehend Thinking, reasoning and problem solving	Lecture	I202.3, I202.4	PPT Presentation
17,18,19, 20, 21,22	<b>Language Development:</b> Nature and development of language, theories of language development; Stages of	Can be able to critically evaluate the theories of	Lecture+ Discussion	I202.2, I202.4	Class Quiz



	language development. Language and thinking	language development and relation of language and thinking			
23,24,25,26,27, 28 ,29,30	<b>Human Development:</b> Nature vs Nurture; Prenatal, Infancy and Childhood, Adolescence and Adulthood-Physical, Cognitive and Social and emotional development	Explain the influence of nature and nurture on human development	Flipped Class	I202.5, I202.4	Home Assignment
31,32, 33, 34,35,36,37  38	<b>Adjustment, Stress and Coping:</b> Definition & Nature of adjustment and stress; Types and Sources of stress; Coping and stress management techniques. <b>Revision</b>	Can Identify sources of stress and its management.	Lecture	I202.5, I202.2, I202.3	PPT Presentation
39	Conclusion and Course Summarization	<b>NA</b>	<b>NA</b>		Class Test

#### G. Course Outcome Attainment Level Matrix:

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							Program Specific Outcomes		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO7	PSO1	PSO2	PSO3
I202.1	Explain the nature of Intelligence and identify its determinants.	2	2	2	1			2			
I202.2	Define personality and examine its determinants	2	1	1	2		1	2			
I202.3	understand the concept of reasoning and Thinking	2	3	3	2	1		2			
I202.4	Enumerate the nature, theories and stages of the language development in human beings.	1	2	2	2	1	1	3			
I202.5	Comprehend the effect of nature and nurture on human development.	2	2	2	1		1	2			

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Introduction to Logic| PH 1202 | 4 Credits | 3 | 0 | 4

**A. Introduction:** This course is offered by Dept. of Arts (Philosophy) as a subsidiary course to BA (Hons.) students. Logic is a branch of philosophy which studies the normative principles of human thought. Studying logic opens up an avenue to sharpen thinking skills. To initiate the student to the rules of correct reasoning.

**B. Course Outcomes:** At the end of the course, students will be able to

[I202.1]. well acquainted with the rules of correct reasoning and valid argumentation.

[I202.2]. to communicate correctly and cogently.

[I202.3]. understand the logical concepts with much precision.

[I202.4]. apply the principles of reasoning in various domains of knowledge.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20

Internal Assessment (Summative)	In class Quizzes and Assignments, Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

### E. SYLLABUS

**Introductory Topics:** Formal Logic: Nature, value and limits of Formal Logic; Defining: sentence, proposition, argument, truth, validity, soundness; Terms: meaning of “term”; kinds and classification of terms. **Definitions:** Meaning and kinds of definitions; Characteristics of good definitions; Limits of definitions. **Propositions:** Meaning and kinds of Propositions; Basic components of Propositions; Categorical Propositions; Square of Opposition – Conversion of Propositions and Modern View. **Inference:** Meaning and Kinds of Inference; Inductive and Deductive Inference; Syllogistic Reasoning: Categorical, Hypothetical, Disjunctive; Inductive Inference. **Fallacies.**

### F. TEXT BOOKS

Copi, *Introduction to Logic*, Macmillan Publishing Company, London, 1990.

### G. REFERENCE BOOK

D. J. Connor & B. Powell. *Elementary Logic*, Hodder, London, 1980 .

## H. Lecture Plan:

A. Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1.	Introduction and Course Hand-out briefing	Grasp the historical development of Logic.	Lecture	NA	NA
2.	A basic introduction to Logic	Grasp the historical development of Logic.	Lecture, Discussion	I202.1	Class Quiz (Not Accounted)
3.	Formal logic: Nature, Value and Limits of Formal Logic – 2 Hours	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT Discussion	I202.1	Class Quiz End Term
4.	Formal logic: Nature, Value and Limits of Formal Logic – 2 Hours	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.2	Home Assignment End Term
5.	Definition: sentence, proposition, argument, truth, validity and soundness.	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.2	Class Quiz Mid Term I End Term
6.	Definition: sentence, proposition, argument, truth, validity and soundness.	Understand and analyze seminal concepts in Logic	Lecture, Discussion	I202.2	Class Quiz Mid Term I End Term
7.	Definition: sentence, proposition, argument, truth, validity and soundness.	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Group Discussion	I202.2	Class Quiz Mid Term I End term
8.	Definition: sentence, proposition, argument, truth, validity and soundness.	Understand and analyze seminal concepts in Logic	Lecture, Discussion	I202.2	Home Assignment Class Quiz Mid Term I End Term
9.	Definition: sentence, proposition, argument, truth, validity and soundness. 5 classes	Understand and analyze seminal concepts in Logic	Lecture, Group Discussion	I202.2	Class Quiz Mid Term I End Term
10.	Definition: sentence, proposition, argument, truth, validity and soundness. 5 classes	Understand and analyze seminal concepts in Logic	Lecture, Group Discussion	I202.2	Class Quiz Mid Term I End Term
11.	Definition: sentence, proposition, argument, truth, validity and soundness. (Applied)	Grasp the historical development of Logic.	Lecture, Discussion	I202.2	Class Quiz Mid Term I End Term
12.	Terms: meaning of 'term' – Two classes	Understand and analyze seminal concepts in Logic	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term I End Term
13.	Terms: meaning of 'term' – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for	Lecture, Discussion	I202.2	Class Quiz Mid Term I End Term

		employment in today's job market.			
14.	Introduction to Definitions	Grasp the historical development of Logic.	Lecture, Group Discussion	I202.2	Class Quiz Mid Term I End Term
15.	Introduction to Definitions	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term I End Term
16.	Language and Definitions	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.3	Class Quiz End Term
17.	Bertrand Russell: Logic as the essence of Philosophy.	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.3	Class Quiz End Term
18.	Language and Definitions	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.3	Class Quiz End Term
19.	Meaning and kinds of definitions – Two classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.2	Class Quiz Midterm II End Term
20.	Characteristics of good definitions – Two classes	Grasp the historical development of Logic.	Lecture, Discussion	I202.2	Class Quiz Midterm II End Term
21.	Characteristics of good definitions – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I202.2	Class Quiz Midterm II End term
22.	Characteristics of good definitions – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.2	Class Quiz Midterm II End Term
23.	Limits of definitions – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I202.2	Class Quiz Mid Term II End Term

24.	Introduction to Propositions	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term II End Term
25.	Introduction to Propositions	Grasp the historical development of Logic.	Lecture, Discussion	I202.2	Class Quiz Mid Term II End Term
26.	Meaning and kinds of proposition – Two classes	Understand and analyze seminal concepts in Logic	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term II End Term
27.	Meaning and kinds of proposition – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term II End Term
28.	Basic components of propositions – Two classes	Understand and analyze seminal concepts in Logic	Lecture, PPT, Discussion	I202.2	Class Quiz Mid Term II End Term
29.	Basic components of propositions – Two classes	Clarify cultural pluralism	Lecture, Discussion	I202.3	Class Quiz Mid Term II End Term
30.	Categorical propositions – Two classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.3	Class Quiz Mid Term II  End Term
31.	Categorical propositions – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Group Discussion	I202.3	Class Quiz End Term
32.	Categorical propositions – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I202.3	Class Quiz End Term
33.	Square of opposition-conversion of propositions and modern view – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I202.3	Class Quiz End Term
34.	Square of opposition-conversion of propositions and modern view	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I202.3	Class Quiz End Term

35.	Square of opposition-conversion of propositions and modern view	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.4	Class Quiz End Term
36.	Introduction to Inference	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Group Discussion	I202.4	Class Quiz End Term
37.	Introduction to Inference	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.4	Class Quiz Home Assignment End Term
38.	Meaning and kind of Inference – Two classes	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I202.4	Class Quiz End Term
39.	Meaning and kind of Inference – Two classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.4	Class Quiz End Term
40.	Meaning and kind of Inference – Two classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.4	Class Quiz End Term
41.	Inductive and Deductive Inference – Four classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.4	Class Quiz End Term
42.	Syllogistic Reasoning: Categorical, Hypothetical, Disjunctive – Two classes	Propose intercultural approach in Science	Lecture, Discussion	I202.4	Class Quiz End Term
43.	Syllogistic Reasoning: Categorical, Hypothetical, Disjunctive (case studies)	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.4	Class Quiz End Term
44.	Creative reflections: An exercise on summary writing	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Group Discussion	I202.4	Class Quiz Home Assignment End Term
45.	Inductive Inference – Two classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, Discussion	I202.4	Class Quiz End Term

46.	Fallacies – Three classes	Grasp the historical development of Logic.	Lecture, Discussion	I202.4	Class Quiz End Term
47.	Logic and Games – Four Classes	Recognize and scrutinize the basics of the philosophical method as found in Logic.	Lecture, PPT, Discussion	I202.4	Class Quiz End Term
48.	Conclusion and Course summarization	NA	Lecture	NA	NA

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT				CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O2	PS O3
PH I202.1	To be well acquainted with the rules of correct reasoning and valid argumentation.	I						I			
PH I202.2	To communicate correctly and cogently.		3	I							
PH I202.3	Understand the logical concepts with much precision.	I		I	I			I			
PH I202.4	Apply the principles of reasoning in various domains of knowledge.	3						I			

I- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Indian Political Thought | PO I202 | 4 Credits |

**A. Introduction:** The Indian political thought that we know today is an amalgamation of various theories given by various Indian political theorists since ancient times. This paper will attempt to understand the differences and similarities between these theories and see how they have all amalgamated into once corpus of Indian Political Thought.

**B. The Course Outcomes (COs):** On completion of the course the students will be able to

(I202.1). Have the knowledge about various Indian political thinkers .

(I202.2). Understand the connection between the past and present Indian political thought.

(I202.3). Trace Indian political thought from the ancient times to the modern.



## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS :

1. **Ancient Indian Political Thought:** Manu, Shukra, Kautilya, Manu: Manusmriti, Saptanga theory, Shukra: Shukraniti, Saptanga theory, , Kautilya: Arthashastra
2. **Social Political Reformists:** Raja Rammohan Roy, Vivekananda and Dayanand Saraswati, Raja Rammohan Roy: Response of Ram Mohan Roy to colonial rule, religious and social views, Vivekananda: response to colonialism and Western values
3. **Liberal Political Thinkers:** Gopal Krishna Gokhale, Dadabhai Nauroji, Mahadev Govind Ranade, Gopal Krishna Gokhale and Mahadev Govind Ranade: The Colonial Connection, Modernisation and Constitutionalism, Dadabhai Nauroji : Theory of Moral and Material Drain
4. **Alternate thought:** Lala Lajpat Roy, Vipin Chandra Pal, Bal Gangadhar Tilak, Lala Lajpat Rai: Social Justice, National Integration, Social Reforms, Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement, Bal Gangadhar Tilak: Social Change
5. **Social Change :** Mahatma Gandhi, Jawaharlal Nehru and B.R. Ambedkar, Mahatma Gandhi: His critique of Western civilization, concept of Swarajya, Jawaharlal Nehru: Democratic Socialism, Panchsheel and B.R. Ambedkar: his critique of Hindu social order.

## F. Text books:

1. Mehta V.R. (1992) *Foundations of Indian Political Thought*. Delhi: Manohar.

## G. Reference books:

1. Verma V. P. (2005) *Modern Indian Political Thought Vol. 2 (Reprint)*, Agra: Laxmi Narayan Agarwal Education Publishers.
2. Appadorai (1992) *Indian Political Thinking through the Ages*, Delhi : Khanna Publishers.
3. Tyagi, Ramratan Ruchi (2008) *Indian Political Thought* Mayur paperbacks.
4. Valerian, Rodreigues (eds.), *The Essential Writings of B.R. Ambedkar*, Delhi: Oxford University Press, 2004.

## H. Lecture Plan:

Lecture no.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1.	Manu : Manusmriti	Manu : Manusmriti	Lecture	I202.I	NA
2.	Manu : Manusmriti	Manu : Manusmriti	Lecture	I202.I	Home Assignment Class Quiz Mid Term I End Term
3.	Manu : Manusmriti	Manu : Manusmriti	Lecture	I202.I	Home Assignment Class Quiz Mid Term I End Term
4.	Shukra : Shukraniti	Shukra : Shukraniti	Ppt	Home Assignment Class Quiz Mid Term I End Term	Assignment
5.	Shukra : Shukraniti	Shukra : Shukraniti	Ppt	Class Quiz Mid Term I End Term	Sessional Exams
6.	Shukra : Shukraniti	Shukra : Shukraniti	Lecture	GD, Home Assignment Class Quiz Mid Term	Sessional Exams

				I End Term Class test	
7.	Kautilya : Arthashastra	Kautilya : Arthashastra	Lecture	Assignment	Home Assignment Class Quiz Mid Term II End Term
8.	Kautilya : Arthashastra	Kautilya : Arthashastra	Lecture	Sessional Exams	Home Assignment Class Quiz Mid Term II End Term
9.	Kautilya : Arthashastra	Kautilya : Arthashastra	ppt	Sessional Exams	
10.	Raja Ram Mohan Roy : Response to colonial rule	Raja Ram Mohan Roy : Response to colonial rule	Ppt	I202.2 and I202.3	Assignment
11.	Raja Ram Mohan Roy : Social views	Raja Ram Mohan Roy : Social views	Lecture	I202.2 and I202.3	Sessional Exams
12	Raja Ram Mohan Roy : Religious views	Raja Ram Mohan Roy : Religious views	Lecture	I202.2 and I202.3	Sessional Exams
13.	Vivekananda : response to colonialism and Western values	Vivekananda : response to colonialism and Western values	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
15.	Vivekananda : response to colonialism and Western values	Vivekananda : response to colonialism and Western values	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
16.	Dayanand Saraswati : religious, social and political thoughts	Dayanand Saraswati : religious, social and political thoughts	Lecture	I202.2 and I202.3	Assignment
17.	Dayanand Saraswati : religious, social and political thoughts	Dayanand Saraswati : religious, social and political thoughts	Lecture	I202.2 and I202.3	Sessional Exams
18.	Dayanand Saraswati : religious, social and political thoughts	Dayanand Saraswati : religious, social and political thoughts	Lecture	I202.2 and I202.3	Sessional Exams
19.	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
20.	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term

21.	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Gopal Krishna Gokhale : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Assignment
22.	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Sessional Exams
23.	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Sessional Exams
24.	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Mahadev Govind Ranade : The Colonial Connection, Modernisation and Constitutionalism	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
25.	Dadabhai Nauroji : Theory of Moral and Material Drain	Dadabhai Nauroji : Theory of Moral and Material Drain	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
26.	Dadabhai Nauroji : Theory of Moral and Material Drain	Dadabhai Nauroji : Theory of Moral and Material Drain	Lecture	I202.2 and I202.3	Assignment
27.	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lecture	I202.2 and I202.3	Sessional Exams
28.	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lecture	I202.2 and I202.3	Sessional Exams
29.	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lala Lajpat Rai: Social Justice, National Integration, Social Reforms	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
30.	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Lecture	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term

31	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Ppt	I202.2 and I202.3	Assignment
32	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Vipin Chandra Pal: Shaping of Hindu polity and nationalism, independence movement	Ppt	I202.2 and I202.3	Sessional Exams
33-35	Bal Gangadhar Tilak: Social Change	Bal Gangadhar Tilak: Social Change	Ppt	I202.2 and I202.3	Home Assignment
36	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Ppt	I202.2 and I202.3	Assignment
37	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Ppt	I202.2 and I202.3	Sessional Exams
38	Mahatma Gandhi: His critique of Western	Mahatma Gandhi: His critique of Western	Ppt	I202.2 and I202.3	Sessional Exams
	civilization, concept of Swarajya	civilization, concept of Swarajya	ppt	I202.2 and I202.3	Home Assignment Class Quiz Mid Term II End Term
39	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Lecture	I202.4 and I202.5	Home Assignment Class Quiz Mid Term II End Term
40	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Mahatma Gandhi: His critique of Western civilization, concept of Swarajya	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
41	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
42	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term

43	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
44	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
45	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Jawaharlal Nehru: Democratic Socialism, Panchsheel	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
46	B.R. Ambedkar: his critique of Hindu social order.	B.R. Ambedkar: his critique of Hindu social order.	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
47	B.R. Ambedkar: his critique of Hindu social order.	B.R. Ambedkar: his critique of Hindu social order.	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term
48	B.R. Ambedkar: his critique of Hindu social order.	B.R. Ambedkar: his critique of Hindu social order.	Lecture	I202.4 and I202.5	Class Quiz, assignment, End Term

**J. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
PO I202.1	The knowledge about various Indian political thinkers	1	1	1	3			1				
PO I202.2	Understand the connection between the past and present Indian political thought.	2	1	2				1				
PO I202.3	Trace Indian political thought from the ancient times to the modern.	2	1	2				1				

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

**PROBABILITY AND RANDOM VARIABLES | MSI204 | 3 Credits | 2 | 0 | 3**

**A. Introduction:-**

The use of statistical reasoning and methodology is indispensable in modern world. It is applicable to every discipline, be it physical sciences, engineering and technology, economics or social sciences. Much

of the advanced research in electronics, electrical, computer science, industrial engineering, biology, genetics, and information science relies increasingly on use of statistical tools. It is essential for the students to get acquainted with the subject of probability and statistics at an early stage. The present course has been designed to introduce the subject to undergraduate/postgraduate students in science and engineering. The course contains a good introduction to each topic and an advance treatment of theory at a fairly understandable level to the students at this stage. Each concept has been explained through examples and application oriented problems.

**B. Course Outcomes:** At the end of the course, students will be able to

- I204.1** Understand the concept of probability theory for decision making
- I204.2** Understand conceptual framework of random variables.
- I204.3** Understand conceptual framework of mathematical expectations
- I204.4** Understand conceptual framework of generating functions.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:-

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100

Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

## E. SYLLABUS:-

**Probability Theory:** Random experiments, sample space, event, algebra of events, Definitions of Probability, theorems on probability, Boole's inequality, conditional probability, independent events, Bayes theorem and its applications. **Random Variable:** Random Variable, distribution function, discrete random variable, probability mass function, distribution function of discrete random variable, continuous random variable, probability density function, distribution function of continuous random variable. joint probability mass function, marginal probability function, conditional probability function, joint distribution function, marginal distribution function Joint density function, marginal density function, stochastic independence, independent random variables. **Mathematical Expectation:** Definition, expected value of random variable, expected value of a function of a random variable, addition and multiplication theorems and their generalizations, covariance, expectation and variance of a linear combination of random variable, Cauchy-Schwartz inequality, conditional expectation and conditional variance. **Generating Functions:** Definition, limitations and properties of moment generating function, uniqueness theorem, cumulates, properties of cumulates, effect of change of origin and scale. Characteristic function, properties of characteristic function, uniqueness theorem. Probability generating function.

## F. TEXT BOOKS:-

1. Goon A.M., Gupta A.K. and Das Gupta B., Fundamental of Statistics, Vol. I, World Press, Calcutta, 1999.
2. Mood A.M., Greybill, F.A. and Bose D.C, Introduction to the Theory of Statistics, McGraw Hill, 1974.
3. Gupta S.C. and Kapoor V.K, Fundamentals of Mathematical statistics, Sultan Chand and Co., 3rd edition, New Delhi, 2008.
4. Meyer, P.L., Introductory Probability and Applications by Addison-Wesley, 1971.

## G. REFERENCE BOOKS:-

1. Hoel P.G., Introduction to Mathematical Statistics, Asia Publishing House, 1971.
2. Snedecors G.W. and Cochran W.G., Statistical Methods, Iowa State University Press, 1967.
3. Goon A.M., Gupta M.K. and Das Gupta B., Fundamental of Statistics, Vol. I, World Press, Calcutta, 1991.

## H. Lecture Plan:-

Lec. No.	Description of the Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
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1	Random experiments, sample space	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
2	event, algebra of events,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
3	Definitions of Probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
4	Theorems on probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.1	assignments, Two Sessional, End Term Examination
5	Theorems on probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
6	Theorems on probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
7	Theorems on probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
8	Theorems on probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
9	Boole's inequality	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
10	Conditional probability	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
11	independent events	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.1	assignments, Two Sessional, End Term Examination
12	Bayes theorem	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.1	assignments, Two Sessional, End Term Examination

13	Class test	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Test	1204.1	assignments, Two Sessional, End Term Examination
14	Random Variable, distribution function, discrete random variable	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
15	probability mass function, distribution function of discrete random variable	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
16	continuous random variable, probability density function, distribution function of	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.2	assignments, Two Sessional, End Term Examination
	continuous random variable				
17	Joint probability mass function, marginal probability function	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
18	, conditional probability function, joint distribution function,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
19	marginal distribution function Joint density function,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
20	marginal density function, stochastic independence,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
21	independent random variables	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.2	assignments, Two Sessional, End Term Examination
22	Definition, expected value of random variable	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem Solving	1204.3	assignments, Two Sessional, End Term Examination

23	, expected value of a function of a random variable,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
24	addition and multiplication theorems and their generalizations	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
25	covariance,	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
26	expectation and variance of a linear combination of random variable	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
27	Cauchy-Schwartz inequality	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	, assignments, Two Sessional, End Term Examination
28	Conditional expectation	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
29	conditional variance	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.3	assignments, Two Sessional, End Term Examination
30	Definition, limitations and properties of moment generating function	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.3	assignments, Two Sessional, End Term Examination
31	uniqueness theorem	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.4	assignments, Two Sessional, End Term Examination
32	cumulates, properties of cumulates	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.4	assignments, Two Sessional, End Term Examination
33	effect of change or origin and scale	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.4	assignments, Two Sessional, End Term Examination

34	Characteristic function, properties of characteristic function	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.4	assignments, Two Sessional, End Term Examination
35	uniqueness theorem	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Problem solving	1204.4	assignments, Two Sessional, End Term Examination
36	Probability generating function.	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.4	assignments, Two Sessional, End Term Examination
37	Probability generating function.	Identify, formulate, apply appropriate techniques, professional ethics, Communicate effectively & life-long learning	Lecture, Discussion & Examples	1204.4	assignments, Two Sessional, End Term Examination

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM			
									SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>MSI204. 1</b>	Understand the concept of probability theory for decision making	2			2			3				
<b>MSI204. 2</b>	Understand conceptual framework of random variables		2	3		2						
<b>MSI204. 3</b>	Understand conceptual framework of mathematical expectations	2		3			1					
<b>MSI204. 4</b>	Understand conceptual framework of generating functions		3		2			3				

**1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Competition Law & Policy | EO 1321 | 4 Credits | 3 | 0 4

**A. Introduction :** Competition Policy aims at ensuring that competition in the marketplace is not restricted in a way that is detrimental to society. The free market economy may not be able to restrict natural monopolies or cartels, hence law acts as pacifying factor to introduce and maintain healthy competition. This course will introduce the students to the history of competition law, policies, international organizations and the Indian laws that are involved in maintaining competition in favor of consumer sovereignty. This course is a nice blend of theories and practices in Economics as well as Law.

**B. Course outcome : at the end of the course students will be able to**

- [1321.1] understand the working of laissez Faire and need for antitrust and completion law
- [1321.2] Relate the economic implications of cartel and law protecting competition
- [1321.3] Analyse the evaluation of competition policy and law in India
- [1321.4] Illustrate the policy structure of competition law enforcement in India
- [1321.5] Describe the competition policy and law in world market and international institutions

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1]. Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2]. Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3]. Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4]. Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5]. Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6]. Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7]. Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.
- [PSO.1]** Understand the behaviour of Indian and World Economy
- [PSO.2]** Analyse macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A make up assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus:

**Competition and Market Structure – Theory and Implication** - Competition – Definition, Nature, Rationale and Objective; Competition Law and Policy – A Comparison; Competition and Market Strategies – Theory of competition - Perfect Competition, Benefits of Perfect Competition, Allocative, Productive and Dynamic Efficiency. Monopoly and Dominance, Economies of Scale and Natural monopolies, Cartel damages, Harmful effects of monopoly. Oligopoly and Monopsony. Anti-competitive agreements – vertical and horizontal (cartel) Ethical issues and competition. Predatory pricing. Market power, market share and market concentration. Dominance in the market and abuse of dominant position. **Competition Law and Enforcement Mechanism – Fair Competition for Greater Good** - History and development of Competition Law – Sherman Antitrust Act 1890, Case of US, UK and EU. Competition Commission of India (CCI) and its powers, functions and jurisdiction. CCI and other regulatory bodies. National Competition Policy 2011 – premise, objectives, principles, strategy for implementation and review of policy. Consumer Protection Act versus Competition Act. Competition law and common man. **Competition Law and Policy – Market and Institutional Framework** - Economics of Innovation and Intellectual Property Regime, Geographical Indicator, Patent, Copyright, Trademark, Protecting personal data. Industry regulation, Merger – vertical, horizontal and conglomerate; acquisition, takeover and amalgamation. International Competition Law Framework – WTO, OECD, UNCTAD. Case studies and discussions.

#### F. Text/ Reference Books

- Adams & Brock, *Antitrust Economics on Trial*, Princeton (University Press: Princeton, 1991)
- Motta, Massimo. *Competition Policy: Theory and Practice*. Cambridge University Press, 2004
- Tirole, Jean. *The Theory of Industrial Organization*, MIT, 1988
- Fudenberg, Drew and Jean Tirole. *Game Theory*, MIT, 1992
- Kwoka, J. E; White, L.J. *The Antitrust Revolution*, Harper Collins College Publishers, 1994 (2nd edition), 1999 (3rd edition), 2004 (4th edition)
- Annual Reports by Competition Commission of India, <http://www.cci.gov.in/>
- Indian National Competition Act 2002 & National Competition Policy India 2011

- Vahini, Versha, *Indian Competition Law* LexisNexis, 2016.

## G. Lecture Plan

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2	Competition & Market Structure	Will learn about nature of competition	Lecture	1321.1	Sessional I, End Sem
3,4,5	Theory of Competition – Rationale & Objective	Objective of competition	Lecture	1321.1	Sessional I, End Sem
6,7	Monopoly & Dominance (Predatory Pricing)	Positive effects of Monopoly	Lecture	1321.1	Sessional I, End Sem
8,9	Anti-Competitive Agreements (Meaning & Types)	Meaning & Types of agreements	PPT presentation	1321.2	Sessional I, Case Study presentation, End Sem
10,11,12	Vertical Anti-Competitive Agreements	(Exclusive supply, Exclusive distribution, Resale Price Maintenance etc )	PPT presentation	1321.2	Sessional I, Case Study presentation, End Sem
14,15,16	Horizontal Anti-Competitive Agreements	(Bid Rigging, price fixing, etc.)	PPT presentation	1321.2	Sessional II, Case Study presentation, End Sem
17,18	Factors to be analysed	Factors to be analysed by CCI	PPT presentation	1321.2	Sessional II, Case Study presentation, End Sem
19,20,21	Cases related to Anti-Competitive Agreements (India & abroad)	Landmark cases of agreements	Case Study	1321.2	Sessional II, Case Study presentation, End Sem
22,23	Market Power & Dominance	Meaning of market Share & dominance	Lecture	1321.1	Sessional II, Case Study presentation, End Sem
24,25	Relevant Product & Geographic market	Abuse of dominance based on market classification	Case Study	1321.4	Sessional II, Case Study presentation, End Sem
26,27	Competition Policy (Objectives)	Objectives of Competition Policy	Lecture	1321.1	Sessional II, End Sem,
28,29,30	Competition Law 2002 & CCI	Functions & Jurisdiction of Competition Law	Lecture	1321.2 / 1321.3	Sessional II, End Sem,
31,32	Competition Appellant Tribunal	Function & power of Appellant Tribunal	Lecture	1321.2	Sessional II, End Sem
33,34	Mergers & Acquisitions (Meaning & Types)	Meaning of mergers & its types	PPT presentation	1321.3	End Sem, Case Study presentation
35	Benefits of Mergers & Acquisitions	Benefits to economy	PPT presentation	1321.3	End Sem, Case Study presentation
36,37	Regulation of Mergers & Acquisitions	Regulation of Combinations by CCI	PPT presentation	1321.3	End Sem, Case Study presentation

38,39	Competition Policy & IPR Regime	Integration & Exception of IPR in Competition Policy	PPT presentation	1321.5	End Sem, Case Study presentation
40,41,42	Competition Policy & WTO	Complementarity of WTO & Competition Policy goals	Lecture	1321.5	End Sem, Case Study presentation
43,44	Annual Reports of last two years of CCI	Working of CCI	Case Study	1321.5	End Sem, Case Study presentation
45,46	Cases related to dominance, Predatory pricing, relevant Market etc	Understanding of market situation through cases	Case Study	1321.4	End Sem, Case Study presentation
47,48	International Competition Law Framework	International perspective of Competition Law	PPT Presentation	1321.4	End Sem
49,50	Revision	Revision	Lecture	1321.4	End Sem

#### H. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO 1321.1	understand the working of laissez Faire and need for antitrust and completion law	I												I		
EO 1321.2	Relate the economic implications of cartel and law protecting competition	I	2		I			I							I	
EO 1321.3	Analyse the evaluation of competition policy and law in India	I	I		I	3										
EO 1321.4	Illustrate the policy structure of competition law enforcement in India	I	I					I								I
EO 1321.5	Describe the competition policy and law in world market and international institutions	I	I													

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Public Economics | EO 1322 | 4 Credits | 3 | 0 4

**A. Introduction:** Study of Public Economics helps students to discern incentives behind public and private economic interventions. Tools thus learnt, can be applied to policy analysis in areas as diverse as education, environment, commerce, transport and health.



**B. Course Outcomes:** At the end of the course, students will be able to

- I322.1: Develop an understanding to relate public & private goods and their complementarity  
I322.2: Understand and interpret how externalities work.  
I322.3: Analyse how taxes and subsidies work to discourage / encourage externalities.  
I322.4: Illustrate the problems and solution for government and market economy.  
I322.5: Describe the efficient role of social capital and public policy.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.
- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

**E. Syllabus**

**Introduction and allocation of resources:** Scope and Methods of Public Economics, public goods, pure and partial public goods, private goods and merit goods, Market failure - imperfections, externalities; **Fundamental principle of public economics:** Maximum Social Advantage, Theory of second best Allocation of resources, Tiebout model, theory of club goods; **Public expenditure:** Wagner's law of increasing state activity, cannons, effects of public expenditure on production, distribution and economic

activities; Taxation: Sources of public revenue, direct and indirect taxes, effects of tax on production, distribution and economic activities; **Principle of taxation:** Benefit theory, Ability to pay theory, Theory of optimal taxation, The Inverse Elasticity Rule, shifting and incidence of taxation, taxable capacity, features of Indian tax system, trends in tax revenue of the government, problem of double taxation. Tax evasion and the black economy; Tax reforms in India; **Public debt:** Sources, importance, effects of public debt, tax vs. debt, burden of public debt, Crowding Out of methods of debt redemption; **Budgetary policy:** Optimum Budget, Budgetary Policy: Balanced vs. unbalanced budget, budget as an instrument of economic policy, budgetary deficits and its implications; Zero based budgeting; salient features of the most recent union budget of India.

## F. Text Books

1. Case, Fair and Oster, *Principles of Economics*, Pearson Education, 9<sup>th</sup> Edition, 2009
2. Stiglitz and Welsh, *Economics*, Viva Books, 4<sup>th</sup> Edition, 2011

## G. Reference Books

1. Anthony B. Atkinson and Joseph E. Stiglitz, *Lectures on Public Economics*, Princeton University Press, 1<sup>st</sup> Edition, 2015
2. Satish Y. Deodhar, *Day to Day Economics*, IIM Ahmedabad Business books, Random House India, 1<sup>st</sup> Edition, 2013
3. Parth Dasgupta, *Economics: A Very Short Introduction*, Oxford University Press, 1<sup>st</sup> Edition, 2007
4. Ken Binmore, *Game Theory: A Very Short Introduction*, Oxford University Press, 1<sup>st</sup> Edition, 2007
5. G. Omkarnath, *Economics, A Primer for India*, Orient BlackSwan, 1<sup>st</sup> Edition, 2013
6. Robert Putnam, *Making Democracy Work: Civic Traditions in Modern Italy*, Princeton University Press, 1<sup>st</sup> Edition, 2013

## H. Lecture Plan

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
2, 3, 4	Introduction to allocation of resources	To introduce students to Scope and Methods of Public Economics public goods, pure and partial public goods, private goods and merit goods	Lecture	1322.1	In Class Quiz
5, 6, 7, 8	Introduction to allocation of resources	Market failure - imperfections, externalities	Lecture	1322.1	In Class Quiz
9, 10, 11, 12,	Fundamental principle of public economics	To understand Maximum Social Advantage, Theory of second best Allocation of resources,	Lecture	1322.1, 1322.2	In Class Quiz Mid Term I End Term

13, 14	Fundamental principle of public economics	Tiebout model, theory of club goods	Lecture, ppt	1322.1, 1322.2	In Class Quiz Mid Term I End Term
15, 16,	Public expenditure	To let student know Wagner's law of increasing state activity, cannons	Lecture, Discussion on current topics	1322.3, 1322.5	Assignment Mid Term II End Term
17, 18, 19	Public expenditure	effects of public expenditure on production, distribution and economic activities;	Lecture, Discussion on current topics	1322.3, 1322.5	Assignment Mid Term II End Term
20, 21 22, 23, 24, 25	Public expenditure	To let student about Taxation: Sources of public revenue, direct and indirect taxes, effects of tax on production, distribution and economic activities	Lecture, Discussion on current topics	1322.3, 1322.5	Assignment Mid Term II End Term
26, 27, 28, 29, 30	Principle of taxation	Students will learn about Benefit theory, Ability to pay theory,	Lecture	1322.2, 1322.4, 1322.5	Assignment Mid Term II End Term
31, 32, 33	Principle of taxation	Students will learn about Theory of optimal taxation, The Inverse Elasticity Rule, shifting and incidence of taxation,	Lecture	1322.2, 1322.4, 1322.5	Assignment Mid Term II End Term
34, 35, 36	Principle of taxation	Students will learn about taxable capacity, features of Indian tax system, trends in tax revenue of the government, problem of double taxation. Tax evasion and the black economy; Tax reforms in India	Lecture	1322.2, 1322.4, 1322.5	Assignment Mid Term II End Term
37, 38, 39	Public debt	Students will learn how to describe Sources, importance, effects of public debt tax vs. debt, burden of public debt,	Lecture	1322.3, 1322.4	Class Test, Assignment, End Term
39, 40	Public debt	Crowding Out of methods of debt redemption	lecture	1322.3, 1322.4	Class Test, Assignment, End Term
40, 41, 42, 43	Budgetary policy	Students will be Introduced Optimum Budget, Budgetary Policy Balanced vs. unbalanced budget,	Lecture	1322.4, 1322.5	Class Quiz Group discussions, End term

44, 45, 46	Budgetary policy	budget as an instrument of economic policy budgetary deficits and its implications	Lecture	I 322.4, I 322.5	Class Quiz Group discussions, End term
47, 48, 49, 50	Budgetary policy	Zero based budgeting salient features of the most recent union budget of India	Lecture	I 322.4, I 322.5	Class Quiz Group discussions, End term

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO I 322.1	Develop an understanding to relate public & private goods and their complementarity	2					1	1						2		
EO I 322.2	Understand and interpret how externalities work.				1			2								3
EO I 322.3	Analyse how taxes and subsidies work to discourage / encourage externalities.				1											1
EO I 322.4	Illustrate the problems and solution for government and market economy.						1									1
EO I 322.5	Describe the efficient role of social capital and public policy.						1	1						1		

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Growth and Development| EO 1324 | 4 Credits | 3 | 0 4

- A. career in the area of economics or higher studies in streams related to economic growth and development. Offers in depth knowledge of growth and development theories in general and its applicability in today's context with other economic components in particular. Students are expected to have background knowledge in general of basic economics for a better learning.
- B. **Course Outcomes:** At the end of the course, students will be able to
- [1324.1] Describe concept and factors affecting economic growth and development.
  - [1324.2] Interpret and illustrate growth models.
  - [1324.3] Aware of the Theories of Economic Development to understand development and under-development.
  - [1324.4] Recognize important role of macroeconomic policies for economic development.
  - [1324.5] Recall international aspects of economic development.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
	Sessional Exam I	20

(Summative)	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

### E. SYLLABUS

**Introduction:** Concept of economic growth and development, difference between growth and development, factors affecting growth and development ; **Growth Models** : Harrod and Domar, Neo-classical growth models - Solow and Meade, Kaldor's growth model ,technological progress , Embodied and disembodied technical progress, elements of endogenous growth models and evidence on the determinants of growth; **Theories of Economic Development:** Classical theory of development, Schumpeter and capitalistic development , vicious circle of poverty, critical minimum effort thesis, Nelson Low level equilibrium trap, Big Push theory of Rosenstein Rodan ; **Development and Underdevelopment:** Perception of underdevelopment, poverty- absolute and relative, measuring development and development gap— per capita income, inequality of income and wealth; **Macro Economic Policy and Economic Development:** Role of monetary and fiscal policies in developing countries, external resources, foreign direct investment, multi-national corporations activity in developing countries , International Monetary Fund (IMF) and World Bank policies in developing countries; **Problems of Labour Surplus Economy:** Lewis' model of economic development with unlimited supply of labour and its criticism , Nurkse's idea of disguised saving potential , Sen's model of growth , choice of technique in a labour surplus economy; **International aspect of Economic Development** : International trade as an engine of growth, static and dynamic gains from trade, Prebisch, Singer and Myrdal theses , export-led growth, dual gap analysis, tariffs and effective protection, post-GATT international economic order.

### F. TEXT BOOKS

- Ray Debraj (2009), Development Economics, Oxford University Press
- Salvatore, D and Dowling E. (2011) Development Economics, Schaum's Outline Series in Economics, McGraw-Hill, New York

### G. REFERENCE BOOKS

- Thirlwall A. P (1999), Growth and Development. Palgrave MacMillan. London, 8th edition or latest
- Todaro M.P. and Smith S. C (2008), Economic Development, Pearson Education

### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction to Concept of Economic Growth and Development	To understand basic concept of growth and development	Lecture	1324.1	1st Sessional Exam and End Semester Examination
3	Difference between Growth and Development	To understand the difference between growth and development	Lecture and Discussion	1324.1	1st Sessional Exam and End Semester Examination

4--5	Factors affecting Growth and Development	To understand and illustrate various factors that determine growth and development in any economic system	Lecture	I324.1	Ist Sessional Exam and End Semester Examination
6	Introduction to Growth and Development Models	To illustrate the basis behind models	Lecture	I324.2	Ist Sessional Exam and End Semester Examination
7-9	Classical theories	To understand the model and its applicability in current context.	Lecture and Discussion	I324.2	Ist Sessional Exam and End Semester Examination
10-13	Classical theories	To understand the model and its application	lecture and Discussion	I324.2	Ist Sessional Exam and End Semester Examination
14-16	Schumpeter Theory of Economic Development	To understand dynamics of innovation through entrepreneurs and application of theory	Case Study, Discussion and Lecture	I324.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
17-19	Critical Minimum Effort Thesis and Nelson low level Equilibrium Trap	To understand importance the necessity of minimum investment in any economy for growth	Lecture and Discussion	I324.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
20-21	Big push theory of Rosenstein Radon	To illustrate actual benefits to of big investment for economic development	Lecture and Discussion	I324.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
22-24	Lewis Model of Economic Development	To understand the applicability of Lewis model and its significance	Discussion, Lecture and Case Study	I324.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
25-27	Balanced growth model	To understand the concept balanced growth	Lecture and Discussion	I324.4	End Semester Examination
28-32	Macroeconomic Policies and Economic Development	To understand the importance and recent changes in Macroeconomic policies and its effects on economic growth	Lecture and Case Discussion	I324.4	End Semester Examination

33-36	FDI and Multinational Corporations	To understand the concept of FDI and MNCs with reference to regulatory and legislative measures by government to make our economy grow in better way.	Lecture and Discussion	I324.4	End Semester Examination
37-40	IMF and World Bank	To understand the functioning of IMF and World Bank and their support to various nations	Discussion and Assignment	I324.5	End Semester Examination
41-48	International Aspects of Economic Development and Post GATT International Economic order	Precise and accurate learning by understanding international aspects of economic development and WTO.	Lecture and Assignment	I324.5	End Semester Examination

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
EO I324.1	Describe concept and factors affecting economic growth and development.	1	2					1			
EO I324.2	Interpret and illustrate growth models.	2		1			2		1		
EO I324.3	Aware of the Theories of Economic Development to understand development and under-development.				2	2		1			2
EO I324.4	Recognize important role of macroeconomic policies for economic development.	2		2				2		3	
EO I324.5	Recall international aspects of economic development.		1	2			2		2		2

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**





MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Analytical Research Techniques| EO 1325 | 4 Credits | 3 | 0 4

**A. Introduction:**

This course is designed to prepare students to evaluate problems and make decisions using Statistical analysis of data. Students can use these processes in any course where data is analysed and interpreted. After completion of this course student will be able to take an appropriate decision while interpreting the statistical output. This would enable the students to become competent in interpreting the statistical output and use it effectively in their professional career.

**B. Course Outcomes:**

**At the end of the course students will be able to:**

- [EO 1325.1] To understand a general definition of research design.
- [EO1325.2] To identify the overall process of designing a research study from its inception to its report.
- [EO1325.3] To evaluate problems and make decisions using Statistical analysis of data.
- [EO1325.4] To focus on concepts development and its application for problem solving.
- [EO1325.5] To develop decision making and employability skill by effectively using both Descriptive and Inferential Statistics.

**C. Program Outcomes and Program Specific Outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments	
	with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. Syllabus

**Fundamentals of Research:** Meaning, objectives, features, types and scope of research; formulation of research problem: components, factors and nature of problem, steps of research process; Research design and formulation of hypothesis; sampling methods and technique; **Research Proposal:** developing scientific research proposal; **Probability Theory:** Elements of Probability Theory - Sample Space, Events, Addition Rule, The Multiplication Rule, Theorems of Total Probability, Conditional Probability and Statistical Independence, Bayes' theorem; **Theoretical Distribution:** Binomial, Poisson, Normal. **Test of Hypothesis:** type one-type two error in testing of hypothesis, two tailed and one tailed test of hypothesis; standard error and sampling distribution; **Test of significance:** test of significance for attributes, students' t-Distribution-random sample, two sample, dependent sample, observed correlation coefficient,  $X^2$  test, Goodness of fit. **Variance ratio test:** F test and Analysis of Variance ANOVA -one way.

## F. Text Books

- S.P Gupta (2012) "Statistical Methods", Sultan Chand and Company, New Delhi , latest Edition
- Richard I Levin and David S. Rubin (2013), "Statistics for Management" Pearson Education , New Delhi, latest Edition

## G. Reference Books:

- C.R Kothari (2013), Research Methodology Methods and Techniques, New Age publication, New Delhi
- Kenneth S. Bordens & Bruce B. Abbitt, (2009), Research Design & Methods: A process approach, McGraw Hill, New Delhi.
- Levin, Stephan, Krehbiel, Berenson (2012), Statistics for Managers Using Microsoft Excel, PHI Learning, New Delhi
- S.P Gupta (2014), Statistical Methods, Sultan Chand & Company, New Delhi
- Aczel Amir D. (2010), Complete Business Statistics, Tata McGraw Hill Publishing Company Limited, New Delhi.
- D.C Sancheti & V.K Kapoor (2010), Statistics: Theory, Methods and Applications, Sultan Chand & Company, New Delhi
- Ken Black (2012), Business Statistics for Contemporary Decision Making, Wiley Publications, New Delhi.
- Naval Bajpai (2013), Business Statistics, Pearson Education, New Delhi.

- Richard I Levin and David S. Rubin (2013), Statistics for Management, Pearson Education, New Delhi.

#### H. Lecture Plan:

Lecture Plan: Lec. No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	Fundamentals of Research:	To acquaint and clear the overview of the course	Lecture	NA	NA
2-3	Meaning, objectives, features,	Develop understanding of research	Lecture	I325.1	Mid Term I End Term
4-5	types and scope of research	Develop understanding of the measurement of types and scope of research	Lecture	I325.1	Mid Term I End Term
6-10	formulation of research problem, components,	Develop understanding of formulation of research problem, components, factors and nature of problem	Lecture	I325.1	Mid Term I End Term
	factors and nature of problem				
11-12	steps of research process	To identify the overall process of designing a research study from its inception to its report.	Lecture	I325.2	Mid Term II End Term
13-17	Research design and formulation of hypothesis	To understand a general definition of research design and formulation of hypothesis	Lecture	I325.2	Mid Term II End Term
22-23	sampling methods and technique	Able to take an appropriate selection of sampling methods and technique	Lecture	I325.2	Home Assignment Mid Term II End term
24-25	Research Proposal: developing scientific research proposal	To develop an understanding of Research Proposal	Lecture	I325.2	Mid Term II End Term
26	Probability Theory: Elements of Probability Theory - Sample Space, Events	To focus on concepts development and its application related to Probability Theory	Lecture	I325.2	Mid Term II End Term
26	Addition Rule, The Multiplication Rule	To focus on concepts development and its application related to Probability Theory	Lecture	I325.4	Mid Term II End Term

27-28	Theorems of Total Probability, Conditional Probability and Statistical Independence	To focus on concepts development and its application related to Total Probability, Conditional Probability and Statistical Independence	Lecture	I325.4	Mid Term II End Term
29	Bayes' theorem	To focus on concepts development and its application related to Probability Theory	Lecture	I325.4	Mid Term II End Term
30-36	Theoretical Distribution: Binomial, Poisson, Normal.	To evaluate problems and make decisions using Statistical analysis of data	Lecture	I325.3	Mid Term II End Term
37-40	Test of Hypothesis: type one-type two error in testing of hypothesis, two tailed and one tailed test of hypothesis; standard error and sampling distribution;	To evaluate problems and make decisions using Statistical analysis of data	Lecture	I325.3	Mid Term II End Term
41-47	Test of significance: test of significance for attributes, students' t-Distribution-random sample, two sample, dependent sample, observed correlation coefficient	To evaluate problems and make decisions using Statistical analysis of data	Lecture	I325.3	End Term
48-49	$\chi^2$ test, Goodness of fit	To develop decision making by effectively using both Descriptive and Inferential Statistics	Lecture	I325.5	End Term
50-54	Variance ratio test: F test and Analysis of Variance ANOVA -one way	To evaluate problems and make decisions using Statistical analysis of data and to develop decision making by effectively using both Descriptive and Inferential Statistics	Lecture	I325.5	End Term
55-56	Conclusion and Course Summarization	Recall all the concepts discussed in previous classes	Lecture	I325.5	End Term

## I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
EO1325.1	To understand a general definition of research design.	1						1	1	1	1
EO1325.2	To identify the overall process of designing a research study from its inception to its report.									1	2
EO1325.3	To evaluate problems and make decisions using Statistical analysis of data.	3						1		3	1
EO1325.4	To focus on concepts development and its application for problem solving.	1						1	1	1	
EO1325.5	To develop decision making and employability skill by effectively using both Descriptive and Inferential Statistics.	1						1	1	1	1

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

## MANIPAL UNIVERSITY JAIPUR

### School of Humanities and Social Sciences

#### DEPARTMENT OF LANGUAGES

#### Course Hand-out



Indian Prose and Fiction in English-I | EN 1303 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Department of Languages as a subsidiary course to the students of BA Economics (Hons) in Semester III. The course presents and acquaints the students to a wide range of Indian writing in English and literature in translation. It introduces to the students the major development and themes of Indian prose and fiction in English through the study of selected literary texts. The course creates literary sensibility and emotional response to the literary texts and implants sense of appreciation of Indian literary text.

**B. Course Outcomes:** At the end of the course, students will be able to

[1303.1] Explore the development of Indian novels in English and its various themes.

[1303.2] Understand various concerns and issues related to Indian prose and fiction in English.

[1303.3] enhance skills for the artistic and innovative use of language employed by these Indian

writers. [1303.4] Derive Indianness i.e. 'socio-cultural ethos', 'aesthetics' etc. through selected discourses.

[1303.5] Inculcate values and develop human concern through exposure to literary texts for being employable in creative writing field.

## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Introduction to Indian Novels in English, its development and various themes, R.K. Narayan's "The Gateman's Gift", M. K. Gandhi's "Fearlessness", J.L. Nehru's "Animals in Prison" S. Radhakrishnan's "The Gandhian Outlook", R. Tagore's "Living or Dead", Indian writers of short story like Salman Rushdie's "Good Advice is Rarer than Rubies", K. Daruwalla's "Suddenly the Tree", M. Premchand's "The Chess Players", M.**

## F. REFERENCE BOOKS

**C. J. George. Mulkraj Anand: His Art and Concerns. New Delhi: Atlantic Publishers, 1994.**

M. Mukherjee. *Twice Born Fiction*. New Delhi: Pencraft International. 2001.

M. K. Naik. *Perspectives on Indian Fiction in English*. New Delhi: Abhinav Publications, 1985.

T. M. J. Indramohan. *The Novels of Mulkraj Anand: A New Critical Spectrum*. New Delhi: Atlantic Publishers, 2005.

## G. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of assessing the outcome
1	Introduction and Course Hand-out briefing	Awareness for course	Lecture	NA	NA
2	Introduction to Indian Novels in English	Explore the development of Indian novels in English and its various themes	Lecture Discussion	I303.1	Class Quiz Mid Term I End Term
3	Indian Novel: its development and various themes	Explore the development of Indian novels in English and its various themes	Lecture Discussion	I303.1	Class Quiz Mid Term I End Term
4	Indian Novel: Social and Historical background	Explore the development of Indian novels in English and its various themes	Lecture Discussion	I303.1	Class Quiz Mid Term I End Term
5	Major Indian Writers in English: Issues	Explore the development of Indian novels in English and its various themes	Lecture Discussion	I303.1	Class Quiz Mid Term I End Term
6	Major Indian Writers in English : style of writing	Explore the development of Indian novels in English and its various themes	Lecture Discussion	I303.1	Class Quiz Mid Term I End Term
7	R.K. Narayan's "The Gateman's Gift"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term I End Term
8	R.K. Narayan's "The Gateman's Gift"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term I End Term

9	R.K. Narayan's "The Gateman's Gift" Discussion and presentations	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term I End Term
10	M. K. Gandhi's "Fearlessness"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term I End Term
11	J.L. Nehru's "Animals in Prison"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term I End Term
12	J.L. Nehru's "Animals in Prison"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
13	J.L. Nehru's "Animals in Prison"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
14	Discussion and Presentation	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
15	S. Radhakrishnan's "The Gandhian Outlook"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term



16	R. Tagore's "Living or Dead" and Critical Analysis of the Text	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
17	R. Tagore's "Living or Dead" and Critical Analysis of the Text	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
8	R. Tagore's "Living or Dead" and Critical Analysis of the Text	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
19	Salman Rushdie's "Good Advice is Rarer than Rubies"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
20	K. Daruwalla's "Suddenly the Tree"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
21	Critical appreciation of the poem	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
22	M. Premchand's "The Chess Players"	Understand various concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II End Term
23	Discussion through Film adaptation of Chess	Understand various	Lecture Discussion	I303.2 I303.3	Class Quiz Mid Term II

	Players	concerns and issues related to Indian prose and fiction in English. Learn the artistic and innovative use of language employed by these Indian writers			End Term
24-38	Mulk Raj Anand Untouchables: Detailed Study	Derive Indianness i.e. 'socio-cultural ethos', 'aesthetics' etc. through selected discourses. To Inculcate values and develop human concern through exposure to literary texts.	Lecture Discussion	I303.4 I304.5	Class Quiz Mid Term II End Term
39-48	B. Kamble's The Prison We Broke: Detailed study	Derive Indianness i.e. 'socio-cultural ethos', 'aesthetics' etc. through selected discourses. To Inculcate values and develop human concern through exposure to literary texts.	Lecture Discussion	I303.4 I304.5	Class Quiz Mid Term II End Term
49	Revision	Revision	Lecture Discussion		Class Quiz Mid Term II End Term
50	Revision	Revision	Lecture Discussion		Class Quiz Mid Term II End Term
51	Revision	Revision	Lecture Discussion		Class Quiz Mid Term II End Term
52	Revision	Revision	Lecture Discussion		Class Quiz Mid Term II End Term
53	Revision	Revision	Lecture Discussion		Class Quiz Mid Term II End Term

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
<b>EN I303.1</b>	Explore the development of Indian novels in English and its	<b>3</b>		<b>1</b>	<b>1</b>	<b>1</b>					
<b>EN I303.2</b>	Understand various concerns and issues related to Indian	<b>1</b>						<b>1</b>			
<b>EN I303.3</b>	Learn the artistic and innovative use of language employed by		<b>2</b>	<b>1</b>							
<b>EN I303.4</b>	Derive Indianness i.e. 'socio-cultural ethos', 'aesthetics' etc.			<b>2</b>	<b>1</b>	<b>1</b>					
<b>EN I303.5</b>	Inculcate values and develop human concern through		<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>		<b>3</b>			

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

American Poetry| EN 1304 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Department of Languages to the students of BA Hon. in III Semester. The course offers an in-depth knowledge of American poetry

**B. Course Outcomes:** At the end of the course, students will be able to

[1304.1] Understand, appreciate, and analyze the poems critically.

[1304.2] Acquire knowledge of how to compose poems (creative base).

[1304.3] develop the skills to analyze, identify, and interpret the mood and emotions expressed in the poems.

[1304.4] Recognize the structures, features, and poetic devices used in the poems.

[1304.5] Recall the philosophical, social and cultural milieu of the different periods in the history of American poetry.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
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Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required for a student to take the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

##### **An Introduction to American Poetry, its development and major American poets,**

**W. Whitman's** "1861", "A Child Said What is the Grass" & "A Leaf for Hand in Hand" and **R. Frost's** "Stopping by Woods on a Snowy Evening" & "My Butterfly", **Stephen Crane's** "There Was a Man and a Woman", **R W Emerson's** "The Forerunners", **Henry David Thoreau's** "Inspiration", **E. Dickinson's** "A Bird Came Down The Walk" & "In a Library", **H. W. Longfellow's** "The Slave's Dream" "Chaucer", **J.C. Ransom's** "Conrad in Twilight" and **W C William's** "Portrait of a Lady", **S. Plath's** "A Life" & "Barren Woman", **Anne Sexton's** "All My Pretty Ones", "Again and Again and Again", **Adrienne Rich's** "A Valediction Forbidding Mourning" & "Women", and **D. Parker's** "A Certain Lady".

#### F. TEXT BOOKS/ Reference Books

- B. Ford Ed: *Pelican Guide to American Literature* Vol. IX. Penguin: Penguin P, 1960.
- C. Beach. (ed.). *The Cambridge Introduction to Twentieth-Century American Poetry*. Cambridge: Cambridge UP, 2003.
- E. Greenspan. (ed.). *The Cambridge Companion to Walt Whitman*. Cambridge: Cambridge UP, 1995.
- J. Gill. (ed.). *The Cambridge Companion to Sylvia Plath*. Cambridge: Cambridge UP, 2006.
- K. Larson. (ed.). *The Cambridge Companion to Nineteenth-Century American Poetry*. Cambridge: Cambridge UP, 2011.
- R. Faggen. (ed.). *The Cambridge Companion to Robert Frost*. Cambridge: Cambridge UP, 2001.
- W. Martin. (ed.). *The Cambridge Companion to Emily Dickinson*. Cambridge: Cambridge UP, 2002.

#### Lecture Plan:

Lec. No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
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1	Introduction and Course Hand-out briefing.	To acquaint and clear teacher's expectations and understand students' expectations	Lecture & Discussion	NA	NA
2	An Introduction to American Poetry	To give knowledge about American poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
2- 3	Development and major American poets	Different themes of American poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
4-6	W. Whitman's "1861"	Whitman's themes and his poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
7 - 8	W. Whitman's "A Child Said What is the Grass"	Whitman's themes and his poetry	Lecture & Discussion and audios	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
9 - 10	W. Whitman's "A Leaf for Hand in Hand"	Whitman's themes and his poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
11- 12	R. Frost's "Stopping by Woods on a Snowy Evening"	The relevance of nature poetry in American literature	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
13-17	R. Frost's "My Butterfly"	To teach Frost's poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
17-21	Stephen Crane's "There Was a Man and a Woman",	Themes of Stephen Crane	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
22-23	R. W. Emerson's "The Forerunners"	Emerson's social approach to	Lecture & Discussion	ENI304.1 ENI304.2	Assignment/Sessionals,

		American poetry		ENI304.3 ENI304.4 ENI305.5	End Term Exam
24-25	Henry David Thoreau's "Inspiration"	To teach poem of Thoreau	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
26-29	E. Dickinson's "A Bird Came Down The Walk" & "In a Library"	Dickinson's poetry and themes	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
30	E. Dickison's "In a Library"	Dickinson's poetry and themes	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
31-36	H. W. Longfellow's "The Slave's Dream" & "Chaucer" & J.C. Ransom's "Conrad in Twilight"	Longfellow's themes.	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
37-41	W C William's "Portrait of a Lady", S. Plath's "A Life" & "Barren Woman"	To analyze and interpret poems of William and Plath.	Lecture & Discussion and audio visuals on Plath	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam
42-46	Anne Sexton's "All My Pretty Ones", "Again and Again and Again"	To acquaint variable themes of American poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End term Exam
47-48	Adrienne Rich's "A Valediction Forbidding Mourning"	To acquaint variable themes of American poetry	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term exam
49-52	Adrienne Rich's "Women", & D. Parker's "A Certain Lady".	To acquaint variable themes of American poetry.	Lecture & Discussion	ENI304.1 ENI304.2 ENI304.3 ENI304.4 ENI305.5	Assignment/Sessionals, End Term Exam.

**F. Course Articulation Matrix: (Mapping of COs with POs)**

CO STATEMENT	Correlation with Program Outcomes (POs)	Correlation with Program Specific Outcomes (PSOs)
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		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5
EN I304.1	Understand, appreciate, and analyze the poems critically.	I	I										
EN I304.2	To acquire knowledge of how to compose poems (creative base).					3		I					
EN I304.3	To analyze, identify, and interpret the mood and emotions expressed in the poems.				I			I					
EN I304.4	To recognize the structures, features, and poetic devices used in the poems.												
EN I304.5	To recall the philosophical, social and cultural milieu of the different periods in the history of American poetry.		2					I					

**I-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Statistics in Psychology | PSI303 | 3 Credits 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary course the main focus of this course is to familiarize the students to the field of statistics in psychology and to explain a data set using appropriate descriptive statistics. To understand the logic and application of hypothesis testing. To interpret a set of descriptive statistics and understand the limitations of each measure, compute descriptive and inferential statistics using a calculator To familiarize the students to the field of statistics in psychology and to explain a data set using appropriate descriptive statistics. To understand the logic and application of hypothesis testing. To interpret a set of descriptive statistics and understand the limitations of each measure, compute descriptive and inferential statistics using a calculator.

**B Course Objectives:** At the end of the course, students will be able to

[PSI303.1]. Understand the nature of psychological data and psychological measurement.

[PSI303.2]. Organize and interpret various types of data in statistics in psychology.

[PSI303.3]. Able to draw bar diagram histogram and frequency polygon etc.

[PSI303.4]. Interpret a set of descriptive statistics, deviation and understand the limitations of each measure, compute descriptive and inferential statistics using a calculator.

[PSI303.5]. Explain chi square and correlation.

### C. Program Outcomes and Program Specific Outcomes

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In Class tests and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Close Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/Home Assignment/ Assignment	Activity	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since



## E. SYLLABUS

**Nature of Psychological Data and Psychological Measurement:** Levels of measurement; Problem, Hypothesis, Variables, Controls. Applications of Statistics in Psychology; **Frequency Distribution:** Drawing of frequency distribution, bivariate frequency distribution, Graphical representation of data; **Measurement of Central Tendency:** Purpose and types of measures. Characteristics and computation of Mean, Median and Mode; **Measures of Variability:** Concept of variability, Range, Quartile Deviation, Standard Deviation; **Correlation:** Pearson's Product Moment Correlation (only for ungrouped data by assumed and actual mean).Spearman's Rank Order Correlation; **Non- Parametric Test:** Nature and assumptions of Non-parametric Statistics: Chi-square: equal probability & normal probability; **Hypothesis testing & Inferences:** Significance of difference between mean- computation, application and interpretation

### F. Textbooks:

1. Garrett, H.E & Woodworth, R.S. (1981). *Statistics in Psychology and Education*. Vakils Feffer & Simons Ltd.
2. Mangal, S.K. (2010). *Statistics in Psychology and Education*. New Delhi: Phi Learning

### G. Reference Books:

1. Minium, E.W., King, B.M, & Bear, G. (1993). *Statistical reasoning in psychology and education*. New York: John Wiley

## H. Lecture Plan:

Lec No.	Topics	Session Objective	Mode Delivery	of	Corresponding CO	Mode of Assessin the Outcome
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1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture		NA
2	Level measurement of	Identify different level of measurement	Lecture	I303.1	Written test
3-5	Research Problem & Variables	Differentiate between research problem and hypothesis	Lecture	I303.1	Class Test
6	Control techniques	Describe with the illustration different techniques for controlling extraneous variables	Flipped Class	I303.1	Home Assignment
7	Application of Statistics	Discuss the application of statistics	Lecture	I303.1	Class Test
8,9	Computation of frequency	Explain the procedure of construction frequency distribution	Lecture	I303.2	Written test
10-12	Histogram, Polygram and Bar diagram	Able to draw various Graph	Lecture	I303.2	Class Test
10	Concept of central tendency	Explain the concept of central tendency	Lecture	I303.3	Class Test
11,12	Types of mean	Compute the mean for any data you have	Lecture	I303.3	Class Test
13,14	Types of median	Discuss the various types of median	Lecture	I303.3	Class Test
15,16	Features of mode	Differentiate between mean and mode	Lecture		Class Test
17-19	Standard deviation	Compute the standard deviation for any set of data	Lecture	I303.3	Class Test
20-21	Quartile Deviation	Recognize the steps of calculation	Flipped class room	I303.3	Home Assignment

		of quartile deviation			
22-23	Pearson's Product Moment Correlation	Describe the various steps Pearson's product moment correlation	Lecture	I303.4	Class Test
24-25	Spearman's Rank Order Correlation	Compute the Spearman's Rank Order Correlation for data set	Lecture	I303.4	Class Test
26-30	Chi-square: equal probability & normal probability	Discuss the use and application of chi-square	Lecture	I303.4	Class Test
31	Concept of non-parametric test	Distinguish between parametric and non-parametric test	Lecture		Class Test
32-36	Hypothesis testing and inference	Explain the procedure of hypothesis testing	Flipped classroom	I303.5	Home Assignments

#### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO 2	PSO 3
<b>PS I303.1</b>	Understand the nature of psychological data and psychological measurement.	<b>2</b>						<b>1</b>			
<b>PS I303.2</b>	Organize and interpret various types of data in statistics in psychology.										
<b>PS I303.3</b>	Able to draw bar diagram histogram and frequency polygon etc.							<b>2</b>			
<b>PS I303.4</b>	Interpret a set of descriptive statistics, deviation and understand the limitations of each measure, compute descriptive and inferential statistics using a calculator.			<b>2</b>							
<b>PS I303.5</b>	Explain chi square and correlation.	<b>2</b>									

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Theories of Personality | PS1304 | 3 Credits | 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary, targeting students who wish to acquire basic knowledge of personality psychology through both primary and secondary sources, and will learn relevant terms, facts, concepts, and theories, s. Offers in depth knowledge of various schools of Psychology including Psychoanalytic, Neo-Analytic/Ego, Biological, Behaviorist, Cognitive, Trait, Humanistic, and Interactionist theories.

**B. Course Objectives:** At the end of the course, students will be able to

[I304.1] understand the concept of personality

[I304.2] learn to differentiate between various perspectives and theories of personality.

[I304.3] develop an insight into development of a healthy personality

[I304.4] to describe some techniques for personality assessment

[I304.5] to identify the social and cultural influences on human behaviour

**C. Program Outcomes**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Open Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus

**Personality:** Historical perspective of personality, Nature and Assessment; **Personality Research Methods:** Experimental, Correlational and case study; **Theories of personality: Analytical and Neo-Analytical Perspective:** Sigmund Freud; Carl Jung; Alfred Adler; Horney's Neurotic Anxiety Theory, Erikson's Psycho-social theory of Development; **Theories of Personality: Type & Trait Approach:** Type Theories: Sheldon, Kretchmer and others, Trait Theories: Allport, Cattell; Eysenck's; Big 5 Trait Theory; **Theories of Personality (Emphasis on Perceived reality):** Kelly's Personal construct Theory, Roger's Person Centered Theory, Henry Murray's Personology; **Theories of Personality: Learning and Social & Cognitive Perspective:** Skinner's Operant Conditioning, Bandura's Social Learning Theory, **Indigenous and Contemporaries Theories of Personality:** Comparative study

#### F. Text Books

- T1. Ellis, A., Abrams, M., & Abrams, L.D. (2009) Personality Theories Critical Perspective. New Delhi : Sage Pub. Co.  
T 2. Hall, C. S, Lindzey, G. and Campbell, (1998). Theories of Personality. New York: John Wiley and Sons

#### G. Reference Books

R1. Burger, J. M. (2004). Personality 6th Ed. USA : Thomson Wadsworth.

R2. Carver, C. S. and Scheier M.F. (1996) Perspectives on Personality. Boston : Allyn and Bacon.

R3. Engler, B. (2003). Personality Theories (6th Ed.). New York: Houghton Mifflin Company.

**G. Lecture Plan:**

Lec No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture		NA
2,3	<b>Personality:</b> Historical perspective of personality, Nature and Assessment;	To understand the concept of personality and how it is assessed.	Lecture	PSI304.1]	Through presentation
4,5	<b>Personality Research Methods:</b> Experimental, Correlational and case study	Able to explain the various <b>Personality Research Methods</b>	Lecture	[ PSI304.4]	Home Assignment
6 - 9	<b>Analytical and Neo-Analytical Perspective:</b> Sigmund Freud	To Explain the Types of Instincts, Levels of personality, The Structure of Personality, Defense mechanisms & Psychosexual Stages of Personality Development	Lecture	[PSI304.2]	Home Assignment
10,11	Carl Jung;	Describe the principles of opposites, equivalence and entropy. Differentiate between Jung's theory of analytical psychology and Freud's theory of psychoanalysis	Lecture	[PSI304.2]	PPT Presentation
12, 13	Alfred Adler	Discuss the main characteristics of Adler theory	Flipped class	[PSI304.3]	PPT Presentation
14,15	Horney's Neurotic Anxiety Theory	Explain the contribution of Karen Horney in personality development	Lecture + Discussion	[PSI304.3]	Class Quiz
16	Erikson's Psycho-social theory of Development	Recognize the psychosocial stages of Erickson theory	Lecture + PPT	[PSI304.3]	Class Quiz
17- 20	Type Theories: Sheldon, Kretchmer and others	Differentiate between Sheldon Kretchmer theory of personality	Flipped Class	[PSI304.2]	Home Assignment
21	Trait Theories: Allport,	Discuss the main component of personality according to Allport	Lecture	[PSI304.2]	Home Assignment
22	Cattell;	Discuss the structure of personality as given by cattell	Lecture	[PSI304.2]	PPT Presentation
23,24	Eysenck's; Big 5 Trait Theory	Contrast between extrovert and introvert personality	Lecture	[PSI304.2]	Home Assignment
25 - 27	Kelly's Personal construct Theory,	Differentiate between real self and ideal self	Lecture, Activity	[PSI304.2]	Class Quiz

	Roger's Person Cantered Theory				
28, 29	Henry Murray's Personology	Identify the various needs of an individual	Lecture, Activity	[PS I 304.2]	Class Quiz
30 - 32	<b>Learning and Social &amp; Cognitive Perspective:</b> Skinner's Operant Conditioning,	Describe the role of learning in development of personality	Lecture, Activity	[PS I 304.2]	Class Quiz
33, 34	Bandura's Social Learning Theory,	Family and society plays an important role in development of personality Discuss.	Lecture	[PS I 304.5]	Class Quiz
35 - 38	<b>Indigenous and Contemporaries Theories of Personality:</b> Comparative study	Enumerate the role of Indigenous theory in developing personality.	Lecture	[PS I 304.5]	PPT Presentation
39	Revision	NA	NA	NA	Class Quiz
40	Conclusion and Course Summarization	NA	NA	NA	Class Quiz

**J. Course Articulation Matrix: (Mapping of COs with POs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
PSI304.1	understand the concept of personality	2						2			
PSI304.2	Learn to differentiate between various perspectives and theories of personality.						3				
PSI304.3	develop an insight into development of a healthy personality			3	2						
PSI304.4	to describe some techniques for personality assessment					2	1				
PSI304.5	to identify the social and cultural influences on human behaviour			3							

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**Indian Philosophical Systems | PH 1303 | 4 Credits | 3 | 0 4**

**A. Course Perspective:** Classical Indian Philosophy reflects the aspects of lives of people who lived in the Indian subcontinent in the past. It is important to understand the different systems of Indian philosophy to understand the kinds of ideas and their impacts to many of the aspects of Indian life today.

**B. the Course Outcomes (CLOs):** On completion of the course the students will be able to:-

I 303.1: Give an introduction to Indian Philosophical systems and to get orientated towards the different systems of the same

I 303.2: Gain some knowledge of key concerns, issues, branches and problems of Indian philosophy

I 303.3: Have a basic familiarity with the classical Indian philosophical traditions and concepts, to enhance employability skills.

I 303.4: To apply the knowledge to critically understand the present day Indian life.

**C. Program Outcomes**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India



**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Open Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Course Contents:

Carvaka school: its epistemology, metaphysics and ethics; Jainism: concepts of sat, dravya, guna, paryaya, jiva, ajiva; anekantavada, syadvada and nayavada; ahimsa; bondage and liberation. Buddhism: theory of dependent origination; the four noble truths; doctrine of momentariness; theory of no-soul; Schools of Buddhism: Vaibhashika, Sautrantika, Yogacara and Madhyamika. Nyaya: theory of pramanas (perception, inference, verbal testimony and comparison); the individual self and its liberation; the idea of God and proofs for God's existence. Samkhya: causation, satkaryavada; prakrti: its constituents, evolutes and argument for its existence; purusha: arguments for its existence; plurality of purushas; relationship between prakrti and purusha; kaivalya; atheism. Advaita: nirguna Brahman; adhyasa; rejection of difference; vivartavada; grades of satta; pramanas; jiva; jivanmukti.

#### F. References:

1. M. Hiriyanna, *Outlines of Indian Philosophy*, Motilal Banarsidas Publishers, New Delhi, 1994.
2. D. M. Datta & S.C. Chatterjee, *Introduction to Indian Philosophy*, University of Calcutta, Calcutta, 1968.
3. C. D. Sharma, *A Critical Survey of Indian Philosophy*, Motilal Banarsidas Publishers, New Delhi, 2009.
4. T.M.P. Mahadevan, *Invitation to Indian Philosophy*, Arnold-Heinemann Publishers, 1974.

#### G. Lecture Plan

Lec. No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessment
I	Introduction to the Course, <b>An over view of Indian Philosophical Systems, The broad</b>	Explain teacher's expectations and understand student expectations.	Lecture	CO I	---

	<b>divisions of Indian Philosophy, Orthodox Systems I</b>				
2-3	Orthodox Systems II, Orthodox Systems III, Heterodox Systems I, Heterodox Systems II	Introducing the Pre-Socratic thinking	Lecture; discussion	CO 2	Mid Term I / End Term Exam
4-9	The characteristic features of Indian Philosophy at a glance, <b>The methods/Approaches of Indian philosophy</b>	Introducing the golden age of philosophy	Lecture	CO 2; CO 3; CO 4	Mid Term I / End Term
10-15	Indian Philosophy and Religion and Spirituality, Indian Philosophy and views of Life	Acquaint with the Hellenistic thinking	Lecture; discussion	CO 2	Mid Term I / End Term
16-20	<b>Kinds of problems of Indian philosophy : An Introduction,</b> Nyaya System, Mimamsa System	Explain medieval thought	Lecture; discussion ; presentation	CO 2	Mid Term I / End Term
21-27	Advaita System, Vaisheshika System, Samkhya System	Explain the scope and importance of modern philosophy, understand Descartes	Lecture; discussion ; presentation	CO 2; CO 4	Home assignment / Mid Term I / End Term
28-31	Yoga System, Metaphysics, Ethics and Epistemology	Understanding Spinoza	Lecture	CO 2	Mid Term I End term
32-34	Carvaka System, Carvaka System: Epistemology and ethics	Understanding Leibniz	Lecture; activity	CO 2	Class Quiz / Mid Term II End Term
35-40	Buddhism: an overview Metaphysics, Ethics	Explain the philosophy of Berkeley, Locke	Lecture; discussion ; presentation	CO 2	Mid Term II End Term
41-44	Jainism: An overview, Epistemology, Metaphysics	Acquainting with Hume's thought	Lecture; discussion	CO 2; CO 3	Mid Term II End Term

45-49	Buddhism: Epistemology	Understanding Kant	Lecture, discussion	CO 2; CO 4	Home assignment Mid Term II End Term
50	conclusion	Indicate the direction of western thought	Lecture	CO 1; CO 3	Mid Term II End Term

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO 2	PSO 3
<b>PH 1303.1</b>	Give an introduction to Indian Philosophical systems and to get orientated towards the different systems of the same	3		3							
<b>PH 1303.2</b>	knowledge of key concerns, issues, branches and problems of Indian philosophy	2	3		1						
<b>PH 1303.3</b>	Have a basic familiarity with the classical Indian philosophical traditions and concepts, to enhance employability skills.		2				1				
<b>PH 1303.4</b>	To apply the knowledge to critically understand the present day Indian life.	2						1			

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



# MANIPAL UNIVERSITY JAIPUR

School of Humanities and Social Sciences

## Department of Arts

Course Hand-out

Ancient and Modern Western Philosophy| PH 1304 | 4 Credits | 3 | 0 4

A. **Introduction:** This course briefly introduces some of the major aspects of Ancient and Modern Western Philosophy.

It presents these aspects vis-a-vis the main schools of philosophical thought of the period, paying special attention on some of their major representatives.

The course also intends to provoke reflection on selected extracts from major thinkers of the ancient and modern western philosophical tradition.

### B. Course Outcomes:

At the end of the course, students will be able to:

[1304.1]. Recognize and recall the major aspects of Ancient and Modern Western Philosophy.

[1304.2]. Describe the key concerns, issues, problems of some major representative thinkers.

[1304.3]. Compare and analyse the Western philosophical insights with that of other traditions.

[1304.4]. Manifest the essential skill of reading carefully and critically paying attention to details.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

At the end of the course, students will be initiated into the following:

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	20
End Term Exam (Summative)	End Term Exam (Class Book)	40
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**THE PRESOCRATICS:** What is the *arché* of the universe? Is reality one or many? The Ionian, Eleatic, Atomist and Pythagorean response. **THE GOLDEN AGE:** The Sophists: The art of rhetoric; the spiritual shopkeepers; Socrates: The maieutic method, know thyself, virtues; Plato: theory of knowledge; knowledge (episteme) and opinion (doxa); theory of Forms; soul; Idea of the Good; Aristotle: critique of Plato's theory of Forms; theory of causation; form and matter; potentiality and actuality; soul; God. **HELLENISTIC THOUGHT:** Stoicism: Life in accordance with nature; man as both actor and spectator in life; Epicureanism: pleasurable life; everything in life as a temporary curse or blessing; Scepticism: going above apparent and surface meaning; postpone judgements. **MEDIEVAL PHILOSOPHY:** Augustine: "I believe, so that I may understand"; Anselm: the ontological argument; Thomas Aquinas: faith and reason; ~~essence~~ and existence; proofs for the existence of God. **MODERN PHILOSOPHY: DESCARTES:** method and the need for method in philosophy; method of doubt; *cogito ergo sum*, types of ideas; mind and matter; mind-body interactionism; God; nature and proofs for God's existence. **SPINOZA:** substance, attributes and modes; the concept of 'God or Nature'; pantheism; mind-body problem; three orders of knowing. **LEIBNIZ:** monadology; doctrine of pre-established harmony; truths of reason and truths of fact; innateness of all ideas; principles of non-contradiction and sufficient reason; God: nature and proofs for God's existence. **BERKELEY:** rejection of abstract ideas; rejection of the distinction between primary and secondary qualities; immaterialism; *esse est percipi*; the problem of solipsism. **LOCKE:** ideas and their classification; refutation of innate ideas; knowledge and its grades; substance; qualities; primary and secondary. **HUME:** impressions and ideas; judgements concerning relations of ideas and judgements concerning matter of fact; causality; external world; self and personal identity; rejection of metaphysics; scepticism. **KANT:** conception of critical philosophy; classification of judgements: analytic, synthetic, *a priori*, *a posteriori*, possibility of synthetic *a posteriori* judgements; the forms of sensibility; categories of understanding; the metaphysical and transcendental deduction of categories; schematism of the categories; phenomena and noumena; the

refutation of idealism; transcendental ideas of pure reason: soul, God and the World as a whole; rejection of transcendent metaphysics.

## F. TEXT BOOK

Thilly, Frank. *A History of Philosophy*, H. Holt and Company, 2008.

## G. REFERENCE BOOKS

Copleston, F. *A History of Philosophy*, Vol. I. Image Books, New York, 1993.

Jones, W.T. *A History of Western Philosophy*, Wadsworth Publishing, 2nd edition, 1969.

Masih, A *Critical History of Modern Philosophy*, Motilal Banarsidas, Delhi, 1999.

Mayer, A *History of Modern Philosophy*, American Book Co, New York, 1951.

Rogers, R. *A Student's History of Philosophy*, Macmillan, London, 1932.

Russell, Bertrand. *History of Western Philosophy*, Routledge, Delhi, 2004.

Stace, W. T. *Critical History of Greek Philosophy*, General Books LLC, 2010.

Walsh, M.J. *A History of Western Philosophy*, Chapman, London, 1984.

## H. Lecture Plan:

Lec. No	Topics	Session Outcome	Mode Delivery	Corresponding CO	Mode of Assessment
1	Introduction and Course Handout briefing	Explain teacher's expectations and understand student expectations.	Lecture	CO 1	---
2-3	The Pre-Socratics	Introducing the Pre-Socratic thinking	Lecture; discussion	CO 2	Mid Term I / End Term Exam
4-9	The Golden Age	Introducing the golden age of philosophy	Lecture	CO 2; CO 3; CO 4	Mid Term I / End Term
10-15	Hellenistic Thought	Acquaint with the Hellenistic thinking	Lecture; discussion	CO 2	Mid Term I / End Term
16-20	Medieval Philosophy	Explain medieval thought	Lecture; discussion; presentation	CO 2	Mid Term I / End Term
21-27	Modern Philosophy Descartes	Explain the scope and importance of modern philosophy, understand Descartes	Lecture; discussion; presentation	CO 2; CO 4	Home assignment / Mid Term I / End Term
28-31	Spinoza	Understanding Spinoza	Lecture	CO 2	Mid Term I End term

32-34	Leibniz	Understanding Leibniz	Lecture; activity	CO 2	Class Quiz / Mid Term II End Term
35-40	Berkeley, Locke	Explain the philosophy of Berkeley, Locke	Lecture; discussion; presentation	CO 2	Mid Term II End Term
41-44	Hume	Acquainting with Hume's thought	Lecture; discussion	CO 2; CO 3	Mid Term II End Term
45-49	Kant	Understanding Kant	Lecture, discussion	CO 2; CO 4	Home assignment Mid Term II End Term
50	Conclusion and course summarization	Indicate the direction of western thought	Lecture	CO 1; CO 3	Mid Term II End Term

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program outcome and Program Specific Outcome											
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7		PSO 1	PSO 2	PSO 3	PSO 4
PH 1304.1	Recognize and recall the major aspects of Ancient and Modern Western Philosophy.	2		2									
PH 1304.2	Describe and evaluate the key concerns, issues, problems of some major representative thinkers.	2	2										
PH 1304.3	Compare and analyse the Western philosophical insights with that of other traditions.		2										
PH 1304.4	Manifest the essential skill of reading carefully and critically paying attention to details.	2											

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Indian Political System| PO I 303 | 4 Credits |

**A. Introduction:** The Indian political system is experienced by every individual in this country. It talks about the origin and its development before independence and then discusses its composition in terms of all its political structures

**B. The Course Outcomes (COs):** On completion of the course the students will be able to

[PO I 303.1]. To understand the importance of the nationalist movement in the Indian political system

[PO I 303.2]. To understand the importance of the Constitution and the Preamble

[PO I 303.3]. To understand the features of the Constitution

[PO I 303.4] To understand the connection and interlinkage between the various features of the Constitution

[PO I 303.5] To render students professionally capable for administrative services, higher education or research in think tanks and organizations

**C. PROGRAM OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.



**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS :**

**Brief Introduction of the Indian National Movement; Evolution of Indian Constitution** with reference to the Government Of India Acts 1909, 1919 and 1935, **The Political System:** Concept and Features, **Features of the Indian Political System :** Constitution : Preamble, Federalism, Division of Powers: Executive, Legislature and Judiciary, Fundamental Rights, Directive Principles of State Policy, Fundamental Duties; **Indian Party System :** National and Regional Parties, Coalition Politics, Determinants of Indian Politics (Religion, Caste etc.); **State** Legislature, Executive and Judiciary, **Local Self Government in India.**

**F.Text/ Reference Books:**

1. Easton, David (1953) *The Political System: An Inquiry into the State of Political Science*, Alfred A. Knopf Inc. : New York.
2. Almond G.A. and Powell B. (1966) *Comparative Politics: A Developmental Approach*, Boston: Little Brown.
3. Narain, Iqbal (1972), *Twilight or dawn: the political change in India, 1967-71*, Shiv Lal Agarwal : Agra
4. Kothari, Rajani, (2012) *Politics in India*, Orient Blackswan : Hyderabad.
5. Kothari, Rajani (2010), *Caste in Indian Politics*, Orient Blackswan : Hyderabad.
6. Basu, Durga Das (2006) , *An introduction to the Constitution of India*, Prentice Hall : New Delhi.
7. Siwach, J. R. (1990) *Dynamics of Indian government and politics*, Sterling Publishers : New Delhi.
8. Brass P. (1994), *Politics of Indian Since Independence*, 2nd edition, Cambridge University Press: Cambridge.

**G. Lecture Plan:**

Lecture no.	Topics	Session Objective	Mode of Delivery	Corresponding COs	Mode of Assessing the Outcome
1,2	Features : Constitution	Features : Constitution	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
1,2	Features of the Indian Political System : Constitution	Features of the Indian Political System : Constitution	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Features of the Indian Political System : Preamble	Features of the Indian Political System : Preamble	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Features of the Indian Political System : Preamble	Features of the Indian Political System : Preamble	Ppt	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Features of the Indian Political System : Federalism	Features of the Indian Political System : Federalism	Ppt	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Features of the Indian Political System : Federalism	Features of the Indian Political System : Federalism	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Features of the Indian Political System : Central Executive	Features of the Indian Political System : Central Executive	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Features of the Indian Political System : Central Executive	Features of the Indian Political System : Central Executive	Lecture	I303.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Features of the Indian Political System : Central Executive	Features of the Indian Political System : Central Executive	ppt	I303.2 and I303.3	Quiz of previous class, Mid Term II, End Term Examinations
6,7,8	Features of the Indian Political System : Central Executive	Features of the Indian Political System : Central Executive	Ppt	I303.2 and I303.3	Quiz of previous class, Mid Term II, End Term Examinations
6,7,8	Features of the Indian Political System : State Executive	Features of the Indian Political System : State Executive	Lecture	I303.2 and I303.3	Quiz of previous class, Mid Term II,

					End Term Examinations
9,10,11,12,13,14	Features of the Indian Political System : State Executive	Features of the Indian Political System : State Executive	Lecture	1303.3 & 1303.4	Quiz of previous class, Mid Term II, End Term Examinations
9,10,11,12,13,14	Features of the Indian Political System : Central Legislature	Features of the Indian Political System : Central Legislature	Lecture	1303.3 & 1303.4	Quiz of previous class, Mid Term II, End Term Examinations
9,10,11,12,13,14	Features of the Indian Political System : Central Legislature	Features of the Indian Political System : Central Legislature	Lecture	1303.3 & 1303.4	Quiz of previous class, Mid Term II, End Term Examinations
15-35	Features of the Indian Political System : State Legislature	Features of the Indian Political System : State Legislature	Lecture	1303.3 & 1303.4	Quiz of previous class, Mid Term II, End Term Examinations
15-35	Features of the Indian Political System : State Legislature	Features of the Indian Political System : State Legislature	Lecture	1303.4 and 1303.5	Quiz of previous class, Mid Term II, End Term Examinations
15-35	Features of the Indian Political System : Supreme Court	Features of the Indian Political System : Supreme Court	Lecture	1303.4 and 1303.5	Student Recap of previous class, Mid Term Examination II
15-35	Features of the Indian Political System : Supreme Court	Features of the Indian Political System : Supreme Court	Lecture	1303.4 and 1303.5	Student Recap of previous class, Mid Term Examination II
15-35	Features of the Indian Political System : High Court and lower courts	Features of the Indian Political System : High Court and lower courts	Lecture	1303.4 and 1303.5	Quiz of previous class, Mid Term II, End Term Examinations
15-35	Features of the Indian Political System : High Court and lower courts	Features of the Indian Political System : High Court and lower courts	Lecture	1303.4 and 1303.5	Quiz of previous class, End Term Examinations
35-48	Indian Party System	Indian Party System	Lecture	1303.4 and 1303.5	Quiz of previous class, End Term Examinations
35-48	Indian Party System	Indian Party System	Lecture	1303.4 and 1303.5	Quiz of previous class, End Term Examinations
35-48	Local Self Government in India	Local Self Government in India	Lecture	1303.4 and 1303.5	Quiz of previous class,

					End Term Examinations
35-48	Local Self Government in India	Local Self Government in India	Lecture	1303.4 and 1303.5	Quiz of previous class, End Term Examinations

### H.Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							Program Specific Outcome		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
PO1303.1	To understand the importance of the nationalist movement in the Indian political system			2							
PO1303.2	To understand the importance of the Constitution and the Preamble				1						
PO1303.3	To understand the features of the Constitution			3	1						
PO1303.4	To understand the connection and interlinkage between the various features of the Constitution			2		1					
PO1303.5	To render students professionally capable for administrative services, higher education or research in think tanks and organizations				1						

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Comparative Government and Politics| PO1304| 4 Credits |1022

### A. Introduction

Comparative government is a subfield of political science that focuses on the comparative study of constitutions, systems of government, and political developments. The commonest form remains the detailed study of a policy area in two or more countries.

**B. Course Outcomes:** At the end of the course, the students will be able to-

[I304.1] Explain the patterns of political interaction among the various actors with regard to how they seek goals and exercise power, answering the questions of how policy is made and implemented.

[I304.2] Evaluate and assess the political performance of a given state in terms of its policy outcomes, such as economic development, political stability, social equality, personal liberty and quality of life.

[I304.3] Compare and contrast the political system of one country to another.

[I304.4] Evaluate one's own political system, its strengths and its weaknesses, by comparing it to others.

[I304.5] To render students professionally capable for administrative services, higher education or research in think tanks and organisations

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
	Sessional Exam I	20
	Sessional Exam II	20
Internal Assessment (Summative)	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

United Kingdom: Socio-economic foundations, Evolution of British political system Parliamentary system, Crown, Executive, Judiciary; United States of America: Socio-economic foundations, Presidential system, Executive, Congress, Supreme Court, Party System; Switzerland: Socio-economic foundations Direct Democracy, Plural executive, Legislature, Judiciary; France: Socio-economic foundations, the Presidency, the Parliament, Political Parties, Judiciary; China: Socio-economic foundations, evolution of the political system, Executive, Legislature, Judiciary, National Peoples' Congress and its Standing Committee, Communist Party

#### F. Text/ Reference Books:

1. Kapoor, A.C. and K. K. Mishra (1995) Select Constitutions, S. Chand : New Delhi.
2. Almond G.A. and Powell B. (1966) Comparative Politics: A Developmental Approach, Boston: Little Brown.
3. Bhagwan, Vishnoo ,Vidhya Bhushan and Vandana Mohla (2015) World Constitutions : A Comparative Study, 10th Edition, Sterling Publishers : New Delhi.
4. Samansen and Ashish Bhandari (1998) Advance Readings in Comparative Government and Politics, Sandarbh: New Delhi.
5. Vidya Bhushan (1997), Comparative Politics, Atlantic Publishers : New Delhi.
6. Hague, R. and Harrop M. (2013) Comparative Government and Politics: An Introduction : Palgrave Macmillan : U.K.

## G. Lecture Plan

Lec. No	Topics	Session Objective	Mode Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction	Introduction	Lecture		Quiz of previous class, Mid Term I, End Term Examinations
2	United Kingdom: Basic understanding	United Kingdom: Basic understanding	Lecture	1304.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4	Social Foundations: Customs and Usages	Social Foundations: Customs and Usages	Lecture	1304.1	Quiz of previous class, Mid Term I, End Term Examinations
5,6	Economic Foundations	Economic Foundations	Presentation s	1304.1	Quiz of previous class, Mid Term I, End Term Examinations
7,8	Evolution of the Political System	Evolution of the Political System	Lecture	1304.2	Quiz of previous class, Mid Term I, End Term Examinations
9	Nature and Content of the Constitution	Nature and Content of the Constitution	Lecture	1304.2	Quiz of previous class, Mid Term I, End Term Examinations
10	Parliamentary System	Parliamentary System	Lecture	1304.2	Quiz of previous class, Mid Term I, End Term Examinations
11	Rule of Law and Parliamentary Sovereignty	Rule of Law and Parliamentary Sovereignty	Presentation	1304.2	Quiz of previous class, Mid Term I, End Term Examinations
12	King and the Crown	King and the Crown	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
13	Executive: The Cabinet at Work	Executive: The Cabinet at Work	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
14	The Machinery of Government	The Machinery of Government	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
15,16	Judiciary: Law	Judiciary: Law	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
17	Courts	Courts	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
18	United States: Basic understanding	United States: Basic understanding	Presentation	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
19	Social Foundations: Customs and Usages	Social Foundations: Customs and Usages	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
20	Economic Foundations	Economic Foundations	Lecture	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
21	Essentials of American Constitution	Essentials of American Constitution	Lecture	1304.2	Student Recap of previous class, Mid Term Examination II
22	The Presidency	The Presidency	Lecture	1304.2	Student Recap of previous class, Mid Term Examination II

23	The Cabinet and the Executive Departments	The Cabinet and the Executive Departments	Lecture and case illustrations	1304.2	Quiz of previous class, Mid Term II, End Term Examinations
24	Congress: Structure and Composition	Congress: Structure and Composition	Lecture	1304.2	Quiz of previous class, End Term Examinations
25	Congress: Powers and Functions	Congress: Powers and Functions	Presentation	1304.2	Quiz of previous class, End Term Examinations
26	Federal Judiciary	Federal Judiciary	Lecture	1304.2	Quiz of previous class, End Term Examinations
27	Political Parties	Political Parties	Lecture	1304.2	Quiz of previous class, End Term Examinations
28	American Political System	American Political System	Lecture	1304.2	Quiz of previous class, End Term Examinations
29	Switzerland: Basic Understanding	Switzerland: Basic Understanding	Lecture	1304.2	Quiz of previous class, End Term Examinations
30	The Swiss Political Tradition	The Swiss Political Tradition	Lecture	1304.2	Quiz of previous class, End Term Examinations
31	Social Foundations: Customs and Usages	Social Foundations: Customs and Usages	Lecture	1304.2	Quiz of previous class, End Term Examinations
32	Economic Foundations	Economic Foundations	presentations	1304.2	Quiz of previous class, End Term Examinations
33	Direct Democracy	Direct Democracy	Lecture	1304.3	Quiz of previous class, End Term Examinations
34	Basic Features of Swiss Constitution	Basic Features of Swiss Constitution	Lecture	1304.3	Quiz of previous class, End Term Examinations
35	The National and the Local Government	The National and the Local Government	Lecture	1304.3	Quiz of previous class, End Term Examinations
36	The Federal executive	The Federal executive	Presentation	1304.3	Quiz of previous class, End Term Examinations
37	The Federal Assembly	The Federal Assembly	Lecture	1304.3	Quiz of previous class, End Term Examinations
38	The Federal Judiciary	The Federal Judiciary	Lecture	1304.3	Quiz of previous class, Mid Term I, End Term Examinations
39	Political Parties and Interest Groups	Political Parties and Interest Groups	Lecture	1304.3	Quiz of previous class, Mid Term I, End Term Examinations
40	French Political Tradition	French Political Tradition	Lecture	1304.3	Quiz of previous class, Mid Term I, End Term Examinations
41	Social Foundations: Customs and Usages	Social Foundations: Customs and Usages	Lecture	1304.3	Quiz of previous class, Mid Term I, End Term Examinations
42	Economic Foundations	Economic Foundations	Lecture	1304.3	Quiz of previous class, Mid Term I, End Term Examinations
43	The Presidency	The Presidency	Presentation	1304.3	presentations
44	The Government	The Government	Lecture	1304.4	Quiz of previous class, End Term Examinations



45	Parliament	Parliament	Lecture	1304.4	Quiz of previous class, End Term Examinations
46	French Law and Law Courts	French Law and Law Courts	Lecture	1304.4	Quiz of previous class, End Term Examinations
47	Political Parties	Political Parties	Presentation	1304.4	Quiz of previous class, End Term Examinations
48	The French Political System	The French Political System	Presentation	1304.4	Quiz of previous class, End Term Examinations
49	The Chinese Political Tradition	The Chinese Political Tradition	Lecture	1304.4	Quiz of previous class, End Term Examinations
50	Social Foundations: Customs and Usages	Social Foundations: Customs and Usages	Lecture	1304.4	Quiz of previous class, End Term Examinations
51	Economic Foundations	Economic Foundations	Lecture	1304.4	Quiz of previous class, End Term Examinations
52	Evolution of the Political System	Evolution of the Political System	Lecture	1304.4	Quiz of previous class, End Term Examinations

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO2	PSO3	PSO 4
PO1304.1	Explain the patterns of political interaction among the various actors with regard to how they seek goals and exercise power, answering the questions of how policy is made and implemented.	1		3	1	1						
PO 1304.2	Evaluate and assess the political performance of a given state in terms of its policy outcomes, such as economic development, political stability, social equality, personal liberty and quality of life.	2		3	1	1						
PO 1304.3	Compare and contrast the political system of one country to another.	1		1	1	1						
PO 1304.4	Evaluate one's own political system, its strengths and its weaknesses, by comparing it to others.	2		2	1	1						

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



## DISTRIBUTION THEORY | MSI304 | 3 Credits | 2 | 0 | 3

### A. Introduction:-

Distribution Theory is concerned with the statistical techniques for identifying the nature of the distribution of the data. It is an important subject and step in all spheres of data analysis. The course aims at providing the basics of distribution theory and limit theorems with emphasis on some commonly encountered distributions like Binomial, Poisson, Normal and Central limit theorem.

### B. Course Outcomes: At the end of the course, students will be able to

- I304.1** Understand the concept of probability Distributions
- I304.2** Understand conceptual framework of discrete probability distributions and their implementation.
- I304.3** Understand conceptual framework of continuous probability distributions and their implementation.
- I304.4** Understand conceptual framework of limit theorems.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:-

Criteria	Description	Maximum Marks
	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
Internal Assessment (Summative)		

End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS:-

**Discrete Probability Distributions:** Bernoulli distribution, Binomial distributions, Poisson distribution, Poisson distribution as a limiting case of Binomial distribution, Negative Binomial distribution, Geometric distribution, Hyper-geometric and their properties. **Continuous Probability Distribution:** Uniform distribution, Normal distribution, Exponential distribution, Beta distribution, Gamma distribution, Cauchy distribution and their properties. **Limit Laws:** Convergence in probability, almost sure convergence, convergence in mean square and convergence in distribution, weak law of large numbers (WLLN), strong law of large numbers (SLLN), De-Moivre-Laplace theorem, central limit theorem (C.L.T.) for i.i.d. variates, Liapunov theorem (without proof) and applications of C.L.T..

## F. TEXT BOOKS:-

1. Goon, A.M., Gupta, A.K. and Das Gupta, B., Fundamental of Statistics, Vol. I, World Press, Calcutta, 1999.
2. Mood, A.M., Greybill, F.A. and Bose D.C., Introduction to the Theory of Statistics, McGraw Hill, 1974.

## G. REFERENCE BOOKS:-

1. Hoel P.G., Introduction to Mathematical Statistics, Asia Publishing House, 1971.
2. Snedecors G.W. and Cochran W.G., Statistical Methods, Iowa State University Press. 1967.
3. Gupta S.C. and Kapoor V.K, Fundamentals of Mathematical statistics, Sultan Chand and Co., 3rd edition, New Delhi, 2008.
4. Goon A.M., Gupta M.K. and Das Gupta B, Fundamental of Statistics, Vol. I, World Press, Calcutta, 1991.
5. Feller, W., An Introduction to Probability Theory and Its Applications, Vol. I, 3<sup>rd</sup> Edition, John Wiley, 1968.
6. Mukhopadhyay, P., Mathematical Statistics, Books & Allied (P) Ltd., 2009.

## H. Lecture Plan:-

Lec. No.	Topic	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I-3	<b>Discrete Probability Distributions:</b> Bernoulli distribution-Definition, Probability	To Aquent with prob.	Lecture	NA	NA

	Mass function, Properties, Numerical.	distribution			
<b>4-7</b>	Binominal distributions- Definition, Probability Mass function, Properties, Numerical.	To learn pmf and binomial dist	Lecture	I304.1	Home Assignment and Class Quiz Mid-Term I End-Term
<b>8-10</b>	Poisson distribution-- Definition, Probability Mass function, Properties, Numerical. Poisson distribution as a limiting case of Binomial distribution.	About poisson dist	Lecture	I304.1	Home Assignment and Class Quiz Mid-Term I End-Term
<b>11,12</b>	Negative Binominal distribution- Definition, Probability Mass function, Properties, Numerical.	To now negative normal form, its pdf and application	Lecture	I304.1	Home Assignment and Class Quiz Mid-Term I End-Term
<b>13,14</b>	Geometric distribution- Definition, Probability Mass function, Properties, Numerical. Memory less property.	About Geometric distribution and its properties	Lecture	I304.2	Home Assignment and Class Quiz Mid-Term I End-Term
<b>15,16</b>	Hyper-geometric- Definition, Probability Mass function, Properties, Numerical.	Hypergeometric, its pmf and properties	Lecture	I304.2	Home Assignment and Class Quiz Mid-Term I End-Term
<b>17</b>	<b>Continuous Probability Distribution:</b> Uniform distribution- Definition, Probability density function, Properties, Numerical.	To know the cont. prob. Distribution	Lecture	I304.2	Home Assignment and Class Quiz Mid-Term I End-Term
<b>18-20</b>	Normal distribution Definition, Probability density function, Properties, Numerical.	Normal prob. Dist. And its properties	Lecture	I304.2	Home Assignment and Class Quiz Mid-Term I End-Term
<b>21-23</b>	Exponential distribution -Definition, Probability density function, Properties, Numerical. Memory less property.	Exponential prob. Dist and memory less properties	Lecture	I304.2	Home Assignment and Class Quiz Mid-Term I End-Term
<b>24-25</b>	Gamma distribution -Definition, Probability	Gamma	Lecture	I304.3	Home

	density function, Properties, Numerical.	dist. Its application			Assignment and Class Quiz Mid-Term I End-Term
<b>26-27</b>	Beta distribution- Definition, Probability density function, Properties, Numerical.	Beta Dist. And its application	Lecture	I304.3	Home Assignment and Class Quiz Mid-Term I End-Term
<b>28</b>	Cauchy distribution -Definition, Probability density function, Properties, Numerical.	Cauchy dist and its application	Lecture	I304.3	Home Assignment and Class Quiz Mid-Term I End-Term
<b>29</b>	<b>Limit Laws:</b> Convergence in probability, almost sure convergence, convergence in mean square and convergence in distribution,	To know the law of large number	Lecture	I304.3	Home Assignment and Class Quiz Mid-Term I End-Term
<b>30-31</b>	Weak law of large numbers (WLLN)	WLLN	Lecture	I304.4	Home Assignment and Class Quiz Mid-Term I End-Term
<b>32-33</b>	Strong law of large numbers (SLLN)	SLLN	Lecture	I304.4	Home Assignment and Class Quiz Mid-Term I End-Term
<b>34-37</b>	De-Moivre-Laplace theorem, central limit theorem (C.L.T.) for i.i.d. variates, Liapunov theorem (without proof) and applications of C.L.T, Numerical on CLT.	Central limit theorem	Lecture	I304.4	Home Assignment and Class Quiz Mid-Term I End-Term

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

[illegible]

<b>MSI304 .4</b>	Understand conceptual framework of limit theorems to apply in real life problems that enhance employability.		<b>3</b>					<b>3</b>				
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**1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

## **SAMPLING THEORY | MSI305 | 3 Credits | 2 | 0 | 3**

### **A. Introduction:-**

Sampling Theory is concerned with the tools and techniques for selecting a sample from the population. It is an important subject and step in all spheres of data analysis. The course aims at providing the basics of sampling techniques with emphasis on some commonly encountered techniques in statistical data analysis such as random sampling, cluster sampling and two-stage sampling.

**B. Course Outcomes:** At the end of the course, students will be able to

- I305.1** Understand the concept of sample and population.
- I305.2** Understand conceptual framework of simple random sampling and its implementation.
- I305.3** Understand conceptual framework of stratified sampling and its implementation.
- I305.4** Understand conceptual framework of systematic sampling and its implementation.
- I305.5** Understand conceptual framework of cluster sampling, two-stage sampling and their implementation.

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:-

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E SYLLABUS:-

**Introduction:** Concept of population and sample, need for sampling, complete enumeration versus sampling, basic concepts in sampling, sampling and non-sampling errors, acquaintance with the working (questionnaires, sampling design, methods followed in field investigation, principal findings, etc.) of NSSO and other agencies under taking sample surveys. **Simple Random Sampling with or without replacement:** Estimation of mean, total, variance, proportion, equivalence of different definitions, sample size problem. **Stratified Sampling:** Estimation of mean, total, proportion and optimum allocation, comparison with simple random sampling without replacement, post stratification. **Systematic Sampling Scheme:** Linear and circular systematic sampling, comparison with SRS and stratified sampling schemes, linear trend, simple method of variance. **Cluster Sampling:** Estimation of mean and total, relative efficiency and its estimation, optimum unit of sampling and multipurpose surveys, result on equal and unequal clusters. **Two Stage Sampling:** results on equal and unequal fsu, allocation of sample, comparison with one stage sampling, effect of change in size of fsu.

#### F. TEXT BOOKS:-

3. Cochran W.G., Sampling Techniques, John Wiley and Sons, New York, 1977.
4. Sukhtme, P.V., Sukhatme, B.V., Sukhatme, S. and Asok C., Sampling Theory of Surveys with Applications, Indian Society of Agricultural Statistics, New Delhi, 1984.

#### G. REFERENCE BOOKS:-

4. Goon A.M., Gupta M.K. and Das Gupta B., Fundamentals of Statistics, Vol. II, world Press, Calcutta, 1986.
5. Sampath, S., Sampling Theory and Methods, Narosa Publishing House, New Delhi, 2000.
6. Des Raj, Sample Survey Theory, Narosa Publishing House, New Delhi, 2000.
7. Murthy M.N., Sampling Theory and Methods, Statistical Publishing Society, Calcutta, 1967.
8. Kish L, Survey Sampling, John Wiley and Sons, New York, 1967.
9. Hansen M.H., Hurwitz W.N. and Madow W.G., Sample Survey Method and Theory, Vol. II, New York and London, Wiley Publication, 1975.

## H. Lecture Plan:-

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	<b>Introduction:</b> Concept of population and sample, need for sampling, complete enumeration versus sampling.	Understand the importance of sampling	Lecture	NA	NA
2,3	Basic concepts in sampling, sampling and non-sampling errors.	Understand the types of errors	Lecture	I305.1	Home Assignment Class Quiz Mid Term I End Term
4,5	Acquaintance with the working (questionnaires, sampling design, methods followed in field investigation, principal findings, etc.) of NSSO and other agencies under taking sample surveys.	collect appropriate data from the field for the empirical study	Lecture	I305.1	In Class Quiz Mid Term I End Term
6,7	Class Test-I				
8,9	<b>Simple Random Sampling with replacement:</b>	Estimation of mean and variance under SRSWR	Lecture	I305.2	Class Quiz Mid Term I End Term
	Estimation of mean, total, variance, proportion, equivalence of different definitions, sample size problem.				



<b>10, 11</b>	<b>Simple Random Sampling without replacement:</b> Estimation of mean, total, variance, proportion, equivalence of different definitions, sample size problem.	Estimation of mean and variance under SRSWOR	Lecture	I305.2	Class Quiz Mid Term I End term
<b>12</b>	<b>Class Test-II</b>				
<b>13,14</b>	<b>Stratified Sampling:</b> Estimation of mean, total, proportion and optimum allocation.	Estimation of mean and variance under Stratified sampling	Lecture	I305.3	Class Quiz Mid Term I End Term
<b>15,16</b>	Comparison with simple random sampling without replacement.	Comparison of sampling techniques	Lecture	I305.3	Class Quiz Mid Term I End Term
<b>17,18</b>	Post stratification.	<b>Understand the concept of post stratification</b>	Lecture, Activity	I305.3	Class Quiz End Term Mid Term I
<b>19,20</b>	Class test-III				
<b>21,22</b>	<b>Systematic Sampling Scheme:</b> Linear and circular systematic sampling..	Understand the concept of SSS	Lecture	I305.4	Class Quiz Mid Term II End Term
<b>23,24</b>	Comparison with SRS and stratified sampling schemes, linear trend, simple method of variance	Comparison of SRS, Stratified and SSS	Lecture	I305.4	Class Quiz Mid Term II End Term
<b>25,26</b>	Class Test-IV				
<b>27,28</b>	<b>Cluster Sampling:</b> Estimation of mean and total, relative efficiency and its estimation.	Estimation of mean and variance under cluster sampling	Lecture	I305.5	Class Quiz Mid Term II End Term

29	Optimum unit of sampling and multipurpose surveys, result on equal and unequal clusters.	Optimum allocation of units	Lecture	1305.5	Class Quiz Mid Term II End Term
30	Class Test-V				
31	<b>Two Stage Sampling:</b> results on equal and unequal fsu, allocation of sample.	Estimation of mean and variance under Two stage sampling	Lecture	1305.5	Class Quiz Mid Term II End Term
32,33	Comparison with one stage sampling	<b>Can demonstrate the difference between one and two stage</b>	Lecture	1305.5	Class Quiz End Term
34, 35,36	effect of change in size of fsu.	demonstrate the change in sample size	Lecture	1305.5	Class Quiz End Term

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
MSI305.1	Understand the concept of sample and population.	2						3				
MSI305.2	Understand conceptual framework of simple random sampling and its implementation.			2		2	3					
MSI305.3	Understand conceptual framework of stratified sampling and its implementation		3		3		2					
MSI305.4	Understand conceptual framework of systematic sampling and its implementation	2		2		3		2				
MSI305.5	Understand conceptual framework of cluster sampling, two-stage sampling and their implementation.	2			3			2				

**1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Financial Economics| EO 1425 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Dept. of Economics as a core course, targeting students who wish to pursue career in the area of financial economics as well as financial services and financial markets or higher studies in related streams. Offers in depth knowledge of financial economics and related fields in India in general and financial management in particular. Students are expected to have background knowledge of general economics for a better learning.

**B. Course Outcomes:** At the end of the course, students will be able to

- [1425.1] Describe and address the economic importance of finance with different sources and returns on Investment.
- [1425.2] Interpret and illustrate investment theory and portfolio analysis in general and hence start a career as an entrepreneur which in turn increase their employability.
- [1425.3] Aware of the emerging facets financial economics through CAPM Model.
- [1425.4] Recognize important role played by stock market and importance of Options and Derivatives for growth of any economy.
- [1425.5] Recall economic policy adopted by government for financial development in India through Corporate finance and other ways.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam	End Term Exam	50
	Total	100
Attendance	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Investment Theory and Portfolio Analysis:** Deterministic cash-flow streams ;Basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunization; the term structure of interest rates; yield curves; spot rates and forward rates. **Single-period random cash flows:** Random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem; risk-free assets and the one-fund theorem. **CAPM:** The capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula. **Options and Derivatives:** Introduction to derivatives and options; forward and futures contracts; options; other derivatives; forward and future prices; stock index futures; interest rate futures; the use of futures for hedging; duration-based hedging strategies; option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles; the principle of arbitrage; discrete processes and the binomial tree model; risk-neutral valuation. **Corporate Finance:** Patterns of corporate financing: common stock; debt; preferences; convertibles; Capital structure and the cost of capital; corporate debt and dividend policy; the Modigliani- Miller theorem.

#### F. TEXT BOOKS

- Hull, John C (2005), *Options, Futures and Other Derivatives*, Pearson Education, 6<sup>th</sup> edition.
- Stephen A. Ross, Randolph W. Westerfield and Bradford D. Jordan, (2005), *Fundamentals of Corporate Finance*. McGraw-Hill, 7th edition.

#### G. REFERENCE BOOKS

- Richard A. Brealey and Stewart C. Myers, (2002), *Principles of Corporate Finance*, McGraw-Hill, 7th edition.
- William Sharpe, Gordon Alexander and Jeffery Bailey (2003), *Investments*, Prentice Hall of India, 6th edition.

#### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction to financial economics, deterministic cash flow stream	To understand basics of financial economics and cash flow	Lecture	I425.1	Ist Sessional Exam and End Semester Examination
3	Basic theory of interest	To understand the contribution of interest theory	Lecture and Discussion	I425.1	Ist Sessional Exam and End Semester Examination
4-7	Discounting and present value, internal rate of return	To understand the present value and future value of money or investment	Lecture	I425.1	Ist Sessional Exam and End Semester Examination
8-9	Evaluation criteria	To analyse the worth of investment	Lecture and Discussion	I425.1	Ist Sessional Exam and End Semester Examination
10-13	Fixed income securities, bond price and yield	To understand emerging trends in multi-modal transport	Lecture	I425.1	Ist Sessional Exam and End Semester Examination
14-18	Interest rate sensitivity and duration, immunization, term structure of interest rates	To understand real mechanism of interest rates in the market and its application for optimum outcome	Case Study, lecture and Discussion	I425.2	Ist Sessional Exam and End Semester Examination
19-25	Yield curve, spot rates and forward rates	To understand dynamics of return on investment and current and future value.	Case Study and Lecture	I425.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
26-28	Single-period random cash flow	To understand time frame of cash flow	Discussion	I425.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
29-30	Mean-variance portfolio analysis	To illustrate average in flow of investment	Lecture	I425.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
31	An introduction to CAPM Model	To understand the concept of CAPM Model	Lecture and Discussion	I425.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
32-33	Use of CAPM model in investment analysis and as a pricing formula	To understand the actual mechanism of return on investment and pricing the investment.	Lecture and Case Study	I425.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination

34-40	Options and Derivatives: Introduction to derivatives and options, forward and futures contracts, options, other derivatives; forward and future prices, stock index futures; interest rate futures, the use of futures for hedging, duration-based hedging strategies	To understand the option and derivatives market and its concept and mechanism of trade	Lecture and Discussion	1425.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
41-44	option markets; call and put options; factors affecting option prices; put-call parity; option trading strategies: spreads; straddles; strips and straps; strangles	To understand the option market with its market mechanism.	Lecture and Discussion	1425.4	End Semester Examination
45-46	The principle of arbitrage, discrete processes and the Bi-nominal tree model, risk-neutral valuation.	To understand the need of arbitrage and minimise the risk	Lecture and Discussion	1425.4	End Semester Examination
47-52	<b>Corporate Finance:</b> Patterns of corporate financing, common stock, debt, preferences, convertibles, Capital structure and the cost of capital, corporate debt and dividend policy, the Modigliani- Miller theorem.	To understand the concept of corporate finance and its importance for the development	Lecture, Discussion and Case Study	1425.5	End Semester Examination

#### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	PSO 1	PSO 2	PSO 3
EO 1425.1	Describe and address the economic importance of finance with different sources and returns on Investment							2	2	1	
EO 1425.2	Interpret and illustrate investment theory and portfolio analysis in general and hence start a career as an entrepreneur which in turn increase their employability	2	1							1	2
EO 1425.3	Aware of the emerging facets financial economics through CAPM Model	1				2	2		1		1
EO 1425.4	Recognize important role played by stock		2	2				1		2	

	importance of Options and Derivatives for growth of any economy										
EO 1425.5	Recall economic policy adopted by government for financial development in India through Corporate finance and other ways			2	1					2	2

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Infrastructure Economics| EO 1426 | 4 Credits | 3 | 0 4

- A. **Introduction:** This course is offered by Dept. of Economics as a core course, targeting students who wish to pursue career in the area of infrastructure economics as well as development economics or higher studies in related streams. Offers in depth knowledge of infrastructure economics and related fields in India in general and infrastructure issues of Indian economy in particular. Students are expected to have background knowledge of general economics for a better learning. The course aims to illustrate concepts, principles and implication of infrastructure economics using verbal, graphical and simple mathematical and statistical techniques. The course objective is to relate the specific facts and terminologies in the areas of infrastructure economics with the practical world problems, to enable students to discover and comprehend problems in the key areas using appropriate tools.
- B. **Course Outcomes:** At the end of the course, students will be able to
- [1426.1] Describe and address the economic importance of infrastructure with different components of infrastructure.
  - [1426.2] Interpret and illustrate the transport and its importance as an infrastructure.
  - [1426.3] Aware of the emerging facets of energy and communication & telecommunication as important infrastructure for faster economic growth of any nation.
  - [1426.4] Recognize important role played by infrastructural growth by increasing entrepreneurial opportunities and skill enhancement.
  - [1426.5] Recall relation between health and economic development along with economic policy adopted by government for development of health infrastructure in India.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-

life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam	End Term Exam	50
	Total	100
Attendance	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Introduction to Infrastructure and Infrastructure Economics:** Meaning and concept, need and importance, components of infrastructure - Social and physical infrastructure, Infrastructure as a public good and utilities, role of infrastructure in economic development, pricing of infrastructure; **Transport:** Meaning, components of a transport system - road, rail, air and water transport, Characteristics, advantages and disadvantages of each, Relationship between transport services and economic development, Role of public policy in transport- rationale of government intervention, Transport policy in India; **Communications:** Telephone utilities- Spread of telephone network and current problems in India, Measures to solve problems, Postal services- Characteristics of postal services, Growth and problems of postal services in India; **Energy:** Primacy of energy in economic development, Factors determining demand for energy, Energy conservation, Renewable and non-renewable sources of energy, Energy crisis in India - causes and effects, Energy sector in India- Electricity sector, Oil and natural gas sector, Non-conventional energy, etc.; **Education:** Role of education in economic development, Indian education system:



Characteristics, problems and solutions, Allocation of resources to primary, secondary and higher education in India, Right to Education Act, Various schemes for promoting primary education; **Health:** Relationship between health and economic development, Determinants of health status of an economy, Demand and supply of health care in Indian context, India's Health Policy, health care and resource constraints, Inequalities in healthcare.

#### F. TEXT BOOKS

- Misra and Puri (2013): Indian Economy Himalaya Publishing Co., Mumbai
- Pachauri R K (Ed.) (1980): Energy Policy for India, Macmillan Co. of India.
- McMahan, W. W. (1999): Education and Development: Measuring the Social Benefits, Oxford University Press, Oxford.

#### G. REFERENCE BOOKS

- R. Dutt & K.P. Sundaram, *Indian Economics*, S Chand & Co, New Delhi, 2011.
- Panchamukhi, P. R. (1980): Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied Publishers, Delhi.
- Woodhall, M. (1992): Cost benefit Analysis in Educational Planning, UNESCO, Paris.
- Indian Council of Social Science Research (ICSSR) (1976): Economics of Infrastructure Vol. VI, New Delhi.
- National Council of Applied Economic Research (NCAER) (1996): India Infrastructure Report: Policy Implications for Growth and Welfare, NCAER, New Delhi.
- Parikh KS (2010): India Development Report 2009, Oxford University Press, New Delhi.
- Parikh K S (2012): India Infrastructure Report 2012, Oxford University Press, New Delhi.

#### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction to infrastructure and infrastructure Economics: meaning, concept and importance	To understand basics of infrastructure economics and its importance	Lecture	I426.1	Ist Sessional Exam and End Semester Examination
3-4	Component of infrastructure	To understand various components of infrastructure	Lecture	I426.1	Ist Sessional Exam and End Semester Examination

5-7	Infrastructure as public good and utilities, role of infrastructure in economic development	To understand and illustrate various features and role in economic development	Lecture and Discussion	I426.1	Ist Sessional Exam and End Semester Examination
8-9	Pricing of infrastructure and issues relating to pricing of infrastructure	To analyse pricing issues of infrastructure and optimum pricing	Lecture and Case Study	I426.1	Ist Sessional Exam and End Semester Examination
10	An introduction to transport infrastructure	To understand transport as an infrastructure	Lecture	I426.2	Ist Sessional Exam and End Semester Examination
11-18	Transport: modes, characteristics, advantages and disadvantages, Transport Policy, multi-modal transport system.	Role played by transport as infrastructure for economic development	Case Study, lecture and Discussion	I426.2	Ist Sessional Exam and End Semester Examination
19-25	Communication and Telecommunication: telephone utilities, internet & mobile and apps, Postal Services with its importance and characteristics, problem of postal services in India	To understand dynamics of communication, telecommunication as well as postal services in India	Lecture, Discussion and Case Study	I426.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
26-28	Energy Sector in India: characteristics, importance, types.	To understand its importance from national growth perspectives	Lecture and Discussion	I426.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
29	Non-conventional source of energy	To understand the various sources	Lecture	I426.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
30-33	Indian Education System: characteristics, issues and resources allocation to education	To understand the concept of education system in India and education led economic development	Lecture and Discussion	I426.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
34-37	Right to Education Act and Various Schemes for promoting primary education	To understand the actual mechanism to promote primary education and Right to Education Act	Lecture and Discussion	I426.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
38-40	Relation between health and economic development	To understand the recent changes in the field of health as an infrastructure	Discussion	I426.5	End Semester Examination
41-43	Demand and supply of health care in Indian context	To understand demand and availability of actual health care status in India	Lecture, Discussion and Case Study	I426.5	End Semester Examination

44-49	Indian Health Policy, Health care and resource constraints	To understand the policy segment and constraints for making health care availability	lecture and Discussion	1426.5	End Semester Examination
50-52	Inequalities in Health Care	Discuss Indian case to understand the inequalities	Case Study and Discussion	1426.5	End Semester Examination

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	PSO 1	PSO 2	PSO 3
EO 1426.1	Describe and address the economic importance of infrastructure with different components of infrastructure	1						2	2		1
EO 1426.2	Interpret and illustrate the transport and its importance as an infrastructure	2		1			1			2	
EO 1426.3	Aware of the emerging facets of energy and communication & telecommunication as important infrastructure for faster economic growth of any nation		3		2	1					
EO 1426.4	Recognize important role education in economic development as an important social infrastructure	1				2			2		1
EO 1426.5	Recall relation between health and economic development along with economic policy adopted by government for development of health infrastructure in India			2						2	2

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Basic Econometrics | EO 1427 | 2 Credits | 3 | 0 4

A. **Introduction:** The course aims to illustrate concepts, principles and models of econometrics using statistical and simple mathematical techniques. The course is related the specific facts of economics with the practical world problems, to enable students to discover and comprehend problems in the key areas using appropriate tools.

B. **Course Outcomes:** At the end of the course, students will be able to

[I427.1] Describe the basic principles of econometric analysis.

[I427.2] Interpret and illustrate regression analysis to real-world economic examples and data sets for hypothesis testing and prediction.

[I427.3] Enhance the skill development techniques to apply regression estimation in real world.

[I427.4] Learn Entrepreneurship skills to plan real life economic analysis problems.

[I427.5] Develop the employability skills using real world examples.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10

End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

### E. Syllabus

**Introduction:** Nature and Scope of Econometrics, Types and Methodology of Econometrics, Random Variables; **Simple Regression Model:** Regression Model (two variables); CLRM: Assumptions of Methods of Least Square; Estimation of regression parameters using Ordinary Least Square (OLS) Method; Properties of estimators; test of significance; confidence of interval and analysis of Variance; Various functional forms of regression models; **General Linear Model:** GLM (n variables, Matrix Notation), Estimation of regression parameters by least square method; Properties of estimator; Test of significance. **Violation of Basic Assumptions:** Autocorrelation, Multicollinearity, Heteroscedasticity and Specification Error: Detection, Consequences and Remedial measures; **Dummy Variable:** Nature of Dummy Variable; Panel Data Regression Analysis; **Simultaneous Equation Model:** Structural form and Reduced Form; Identification Problem; Derivation of Order and Rank Conditions; Estimation of Simultaneous Equation Model- Ordinary Least Squares (OLS).

### F. Lecture Plan

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
3-5	Simple Regression Model	To introduce Nature and Scope of Econometrics Types and Methodology of Econometrics Random Variables	Lecture	1427.1, 1427.2	In Class Quiz, Mid Term I, End Term
6-15	General Linear Model	To understand Concept of Regression Model (two variables), Concept of Population, Regression function (PRF) and Sample Regression Function (SRF)	Lecture	1427.2, 1427.3	In Class Quiz, Mid Term I End Term
		Methods of Ordinary Least Squares, Estimation of regression parameters using Ordinary Least Square (OLS) Method	Lecture	1427.2, 1427.3, 1427.4	Class Quiz, Test, End Term
		CLRM: Assumptions of Methods of Least Squares	Lecture	1427.1, 1427.4	Class Quiz, Test, End Term
		Properties of estimators, Gauss Markov Theorem	Lecture	1427.1, 1427.2, 1427.3	Class Quiz, Test, End Term
		Coefficient of Determination	Lecture	1427.3	Class Quiz, Test, End Term
16-22	Violation of Basic Assumptions	To let student know Autocorrelation, Practical Consequences	Lecture	1427.2	Class Quiz, Test, End Term
		Detection, Remedial Measures	Lecture	1427.2, 1427.5	Class Quiz, Test, End Term



	development techniques to apply regression estimation in real world.															
EOI427.4	Learn Entrepreneurship skills to plan real life economic analysis problems.					3	3									3
EOI427.5	Develop the employability skills using real world examples.		3													3

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Environmental Economics | EO 1428 | 4 Credits | 3 | 0 4

#### **A. Introduction:**

The protection and sustainable management of the natural environment is an area of growing concern across the globe. It is widely recognized that most environmental problems, whether small-scale or global, are the result of a complex interaction of natural processes with economic forces and decisions.

The course examines the continuing conflict between market forces and environmental integrity and explains how economic theory views the relationship between economic activity and the natural world. Examples of local, regional, national, and international issues are presented and discussed. The course will give students an opportunity to develop a critical understanding of the different ways in which economic decisions, market forces, and government policies can affect environment.

#### **B. Course Outcomes:**

**At the end of the course students will be able to:**

[EOI428.1] Able to apply economic theory to environmental sustainability.

[EOI428.2] Analyse the conflicts between market forces and environmental integrity.

[EOI428.3] Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.

[EOI428.4] Develop critical understanding how consumer market and business initiative can lead a way into sustainable environment which enhance employability skill in students.

#### **C. Program Outcomes and Program Specific Outcomes**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. Syllabus

**Introduction:** Definition and meaning of environmental economics. Distinction between environmental Economics and natural resource economics; Environment-economy linkage and the first two law of thermodynamics; How do markets work? Why do markets fail? Problems of Market Failure: Public bads and externalities; **Regulatory Mechanism:** Approaches to the solution of Environmental Pollution problems: Property Rights approach (Coasian Approach) and government policies including Market Based instruments and command and control; **Environmental Valuation:** Types of Economic values, Non Market Valuation Methods: Revealed Preference and Stated Preference Method including travel cost Method, Hedonic Price Method and Contingent Valuation Method; **Sustainable Development:** Economic Development and Environment – Environmental Kuznets Curve, Economics of Sustainable Development: Weak and Strong Sustainability approach.

#### F. Text Books

- Ahmed Hussen “Principles of Environmental Economics, Routledge taylor & Francis group, New York.
- Kolstad C.D., Environmental Economics, Oxford University Press, latest edition.

#### G. References:



- Johansson Per-Olov: The Economic Theory and Measurement of Environmental Benefits, Cambridge University Press, Cambridge, 1987.
  - Bhattacharya R.N. (ed.), Environmental Economics: An Indian Perspective, Oxford University Press, 2001.
  - M.N. Murthy Environment, Sustainable Development, and Well-being Valuation, Taxes, and Incentives, OUP May 2009
  - Oates W.E. (ed.), The Economics of the Environment, An Elgar Critical Writings Reader, Edward Elgar, 1994. PART 4
- REFERENCES**
- Kadekodi, Gopal K., Environmental Economics in Practice, Oxford University Press, 2004.
  - Kanchan Chopra and Vikram Dayal (Ed). Hand book of Environmental Economics in India. Oxford University Press 2009.

## H. Lecture Plan

Lecture No.	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Definition and meaning of environmental economics	Able to apply economic theory to environmental sustainability	Lecture	1428.1	NA
1	Distinction between environmental Economics and natural resource economics.	Able to apply economic theory to environmental sustainability	Lecture	1428.1	Mid Term I End Term
2	Environment-economy linkage and the first two law of thermodynamics.	Able to apply economic theory to environmental sustainability	Lecture	1428.1	Mid Term I End Term
3	How markets work?	Analyse the conflicts between market forces and environmental integrity	Lecture	1428.2	Mid Term I End Term
3	Why Markets fail?	Analyse the conflicts between market forces and environmental integrity	Lecture	1428.2	Mid Term I End Term
4-6	Problems of Market Failure: Public bads and externalities.	Analyse the conflicts between market forces and environmental integrity	Lecture	1428.2	Mid Term I End Term
7-9	Approaches to the solution of Environmental Pollution problems	Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.	Lecture	1428.3	Home Assignment Mid Term II End term
10-11	Property Rights approach	Develop critical understanding of different ways in	Lecture	1428.3	Mid Term II End Term

		which economic decisions, market forces and government policies can affect environment.			
12-15	Coasian Approach	Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.	Lecture	1428.3	Mid Term II End Term
16-19	government policies including Market Based instruments	Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.	Lecture	1428.3	Mid Term II End Term
20-23	command and control	Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.	Lecture	1428.3	Mid Term II End Term
24-25	Types of Economic values	Develop critical understanding how consumer market and business initiative can lead a way into sustainable environment.	Lecture	1428.4	Mid Term II End Term
26-27	Non Market Valuation Methods: Revealed Preference	Develop critical understanding how consumer market and business initiative can lead a way into sustainable environment.	Lecture	1428.4	Home Assignment End Term
28-31	Stated Preference Method	Develop critical understanding how consumer market and business initiative can lead a way into sustainable environment.	Lecture	1428.4	Mid Term II End Term
32-34	travel cost Method, Hedonic Price Method	Develop critical understanding how consumer market and business	Lecture	1428.4	Mid Term II End Term



EO1428.3	Develop critical understanding of different ways in which economic decisions, market forces and government policies can affect environment.	2		1		1	1	1								3
EO1428.4	Develop critical understanding how consumer market and business initiative can lead a way into sustainable environment.	2			2			1								1
EO1428.5	Able to apply economic theory to environmental sustainability.	1		2	3	2		1						1		1

1. Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

American Drama | EN 1405 | 4 Credits | 3 1 0 4

**A. Introduction:** This course is offered by Department of Languages as a subsidiary course to the students of BA English Hons, in the IV Semester. The course offers an in depth knowledge of American drama.

**B. Course Outcomes:** At the end of the course, students will be able to:

**[1405.1]** Understand how to articulate orally and in writing an understanding of key concepts and theatre practices in American drama;

**[1405.2]** Acquire innovative knowledge of how to Identify and critically analyse the key concepts and practices of American drama;

**[1405.3]** develop the skill to Analyze, contextualize, and Carry out research to select and combine materials concerning the American theatrical landscape;

**[1405.4]** Recognize and make appropriate performance methodology choices for performance of selected texts;

**[1405.5]** Recall their own understanding of American theatre and involve themselves in role-play, simulation, and improvisation for employability in theatres .

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments, Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. Syllabus**

1. Introduction to American Drama and major playwrights,
2. E. O' Neill's *Desire under the Elms*,
3. A. Miller's *All My Sons*,
4. P. E. Hopkins' *The Slaves' Escape*,
5. Z. Gale's *Miss Lulu Bett*.

**F. Text Books**

1. J. Saddik. *Contemporary American Drama*. Edinburgh: Edinburgh UP, 2007.
2. Ford. (ed.). *Pelican Guide to American Literature* Vol. IX.
3. Murphy. *The Cambridge Companion to American Women Playwrights*. Cambridge: Cambridge UP, 1999.
4. J. Schluete. *Modern American Drama: The Female Canon*. New York: Fairleigh Dickinson UP, 1996.
5. S. Burke. *American Feminist Playwrights: A Critical History*. New York: Twayne Publishers, 1997.

**G. Lecture Plan**

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of assessing the outcome
1	Course briefing	N A	Lecture	NA	NA
2	Introduction to American drama, major American dramatists	To understand key concepts and theatre practices in American drama;	Lecture	1405.1	I Sessional End Term Class Quiz
3	Dramatic devices, their application and identification	To understand key concepts and	Lecture	1405.1	I Sessional End Term
		theatre practices in American drama			Class Quiz
4	Dramatic devices, their application and identification	To understand key concepts and theatre practices in American drama	Lecture	1405.1	I Sessional End Term Class Quiz
5	E. O' Neill as dramatist	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
6	E. O' Neill as dramatist	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
7	E. O' Neill as dramatist	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
8	E. O' Neill's <i>Desire under the Elms</i> , discussion of major themes	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz

<b>9</b>	E. O' Neill's <i>Desire under the Elms</i> , discussion of major characters	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
<b>10</b>	E. O' Neill's <i>Desire under the Elms</i> , discussion of the text	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
<b>11</b>	E. O' Neill's <i>Desire under the Elms</i> , discussion of the text	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
<b>12</b>	E. O' Neill's <i>Desire under the Elms</i> , discussion of the text, critical insights	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
<b>13</b>	E. O' Neill's <i>Desire under the Elms</i> , discussion of the text, critical insights	To Develop competence in understanding, appreciating, and respecting social diversity	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	I Sessional End Term Class Quiz
<b>14</b>	A. Miller's <i>All My Sons</i> , discussion of major themes, and characters	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz
<b>15</b>	A. Miller's <i>All My Sons</i> , discussion of major themes, and characters	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz
<b>16</b>	A. Miller's <i>All My Sons</i> , discussion of major themes, and characters	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz
<b>17</b>	A. Miller's <i>All My Sons</i> , discussion of major themes, and characters	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz
<b>18</b>	A. Miller's <i>All My Sons</i> , discussion of major themes, and characters	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz
<b>19</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	1405.1 1405.2 1405.3 1405.4 1405.5	II Sessional End Term Class Quiz

<b>20</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>21</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>22</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>23</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>24</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>25</b>	A. Miller's <i>All My Sons</i> , discussion of the text	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>26</b>	A. Miller's <i>All My Sons</i> , discussion of critical insights	To generate concern for the American theatrical landscape	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>27</b>	P. E. Hopkins' <i>The Slaves' Escape</i>	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>28</b>	P. E. Hopkins' <i>The Slaves' Escape</i>	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>29</b>	P. E. Hopkins' <i>The Slaves' Escape</i>	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>30</b>	P. E. Hopkins' <i>The Slaves' Escape</i>	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz



<b>31</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , major themes, dramatis personae	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>32</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>33</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>34</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>35</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>36</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>37</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the text	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>38</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the plot structure, and critical views	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>39</b>	P. E. Hopkins' <i>The Slaves' Escape</i> , discussion of the plot structure, and critical views	Recognize and make appropriate performance methodology choices	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	II Sessional End Term Class Quiz
<b>40</b>	Z. Gale's <i>Miss Lulu Bett</i> , major themes, dramatis personae	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz

41	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
42	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
43	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
44	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
45	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
46	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
47	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4	End Term Class Quiz
				I405.5	
48	Z. Gale's <i>Miss Lulu Bett</i> , discussion of the text, the plot structure, and critical views	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term Class Quiz
49	Revision	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term exam
50	Revision	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term exam
51	Revision	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term exam
52	Revision	understanding of American theatre	Lecture	I405.1 I405.2 I405.3 I405.4 I405.5	End Term exam

#### H. Course Articulation Matrix

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
EN 1405.1	Understand how to articulate orally and in writing an understanding of key concepts and theatre practices in American drama	3	1					2			
EN 1405.2	To acquire innovative knowledge of how to identify and critically analyze the key concepts and practices of American drama			2		1	2	1			
EN 1405.3	To analyze, contextualize, and carry out research to select and combine materials concerning the American theatrical landscape							1			
EN 1405.4	To recognize and make appropriate performance methodology choices for performance of selected texts							2			
EN 1405.5	To recall their own understanding of American theatre and involve themselves in role-play, simulation, and improvisation		2					1			

1- Low Correlation; 2- Moderate Correlation; 3- Substantial



## MANIPAL UNIVERSITY JAIPUR

### School of Humanities and Social Sciences

DEPARTMENT OF ECONOMICS

#### Course Handout

### AMERICAN PROSE AND FICTION | EN 1406 | 4 Credits | 3 | 0 | 4

- A. Introduction:** This course is offered by Department of Languages as a core course to the students of BA (Hons) English in Semester-IV. The course presents a broad view of the literary corpus produced by the American novelists. Through selected literary texts, the course discusses issues and themes specific to the literature of the Blacks, identity consciousness etc.
- B. Course Outcomes:** At the end of the course, students will be able to
- [EN1406.1] Explore the history of American novel and its various stages of development
  - [EN1406.2] Articulate ideas and perspectives in the works of the major American novelists
  - [EN1610.3] Appreciate literature of the Blacks and understand the social concerns for human rights through literature
  - [EN1610.4] Develop competence in writing and evaluating the points-of-view to enhance employability and creative skills

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Student who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	

Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.
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## E. SYLLABUS

**Introduction to American Novel, its development and major novelists, M. Twain's "The Carnival of Crime in Connecticut", A. E. Poe's "The Fall of the House of Usher", N. Hawthorne's "Dr. Heidegger's Experiment", E. Hemingway's *The Old Man and The Sea*, T. Morrison's *The Bluest Eyes*, and H. James's "The Art of Fiction".**

## F. Recommended Readings:

1. B. Ford (Ed.) *A Pelican Guide to American Literature*. New York: Penguin Books, 1982-1988.
2. R. E. Spiller et. All. (ed.) *The Literary History of the United States*. London: Macmillan 1969.
3. P. Lubbock. *The Craft of Fiction*. New York: Viking Press, 1957.
4. V. R. Singh. *The Written Word*. Oxford: OUP, New Delhi, 2000.

## G. Lecture Plan:

L No.	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear the teacher's expectation and understand the students' expectations	Lecture	NA	NA
2, 3	Introduction to American Novel, its development and major novelists	Explore the history of American novel and its various stages of development	Lecture	ENI406.1 CO1	Mid Term I End Term
4	Introduction to M. Twain's "The Carnival of Crime in Connecticut"	Articulate ideas and perspectives in the works of M. Twain	Lecture	ENI406.2 CO2	Mid Term I End Term
5-8	Discussion on M. Twain's "The Carnival of Crime in Connecticut"	Critically analyse and interpret the texts/characters/themes through close reading of the text	Lecture & discussion	ENI406.5 CO5	Mid Term I End Term
9	Introduction to A. E. Poe's "The Fall of The House of Usher"	Articulate ideas and perspectives in the works of A. E. Poe	Lecture	ENI406.2 CO2	Mid Term I End Term
10-15	Discussion on A. E. Poe's "The Fall of the House of Usher"	Critically analyse and interpret the texts/characters/themes through close reading of the text	Lecture & discussion	ENI406.5 CO5	Mid Term I End Term
16	Introduction to N. Hawthorne's "Dr. Heidegger's Experiment"	Articulate ideas and perspectives in the works of N. Hawthorne	Lecture	ENI406.2 CO2	Mid Term I End Term
17-23	Discussion on N. Hawthorne's "Dr. Heidegger's Experiment"	Critically analyse and interpret the texts/characters/themes through close reading of the text	Lecture & discussion	ENI406.5 CO5	Mid Term I End Term
24	Introduction to E. Hemingway's <i>The Old Man and The Sea</i>	Articulate ideas and perspectives in the works of ME. Hemmingway	Lecture	ENI406.2 CO2	Mid Term II End Term

25-32	Discussion on E. Hemingway's <i>The Old Man and The Sea</i>	Critically analyse and interpret the texts/characters/themes through close reading of the text	Lecture & discussion	ENI406.5 CO5	Mid Term II End Term
33	Introduction to T. Morrison's <i>The Bluest Eyes</i>	Articulate ideas and perspectives in the works of T. Morrison	Lecture	ENI406.2 CO2	Mid Term II End Term
34-45	Discussion on T. Morrison's <i>The Bluest Eyes</i>	Appreciate literature of the Blacks and understand the social concerns for human rights	Lecture & discussion	ENI406.3 CO3	Mid Term II End Term
46	Introduction to H. James's "The Art of Fiction".	Articulate ideas and perspectives in the works of H. James	Lecture	ENI406.2 CO2	Mid Term II End Term
47-53	Discussion on H. James's "The Art of Fiction".	Develop competence in writing/evaluating the points-of-view to enhance employability & creative skills	Lecture & discussion	ENI406.4 CO4	Mid Term II End Term
54-56	Revision/ Classes for Slow Learners	–	Revision, Activity & Presentation	NA	NA

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	Correlation with Program Outcomes (POs) and Program Specific Outcomes (PSOs)											
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
ENI406.1 CO1	Explore the history of American novel and its various stages of development	1						1					
ENI406.2 CO2	Articulate ideas and perspectives in the works of the major American novelists			3		1	1	1					
ENI406.3 CO3	Appreciate literature of the Blacks and understand the social concerns for human rights through literature				2			1					
ENI406.4 CO4	Develop competence in writing and evaluating the points-of-view to enhance employability and creative skills							1					
ENI406.5 CO5	Critically analyse and interpret the texts/characters/themes through close reading of the text							1					

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Abnormal Psychology | PS1405| 3 Credits 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary course, provides an examination of the various psychological disorders as well as theoretical, clinical, and experimental perspectives of the study of abnormal psychology. Emphasis is on terminology, classification, etiology, assessment, and treatment of the major disorders. Upon completion, students should be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques.

**B. Course Objectives:** At the end of the course, students will be able to

- [PS1405.1]. Define abnormal psychology & the criteria used to identify such behaviors.
- [PS1405.2]. Discuss the various causal factors of abnormal behavior.
- [PS1405.3]. Describe the clinical picture of anxiety disorder.
- [PS1405.4]. Explain the major symptoms and causes of schizophrenia
- [PS1405.5]. Understand the clinical picture of mood disorder.

**C. Program Outcomes and Program Specific Outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In Class tests and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Close Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/Home Assignment/ Assignment (Formative)	Activity	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

## E. SYLLABUS

**Introduction:** The concept of normality and abnormality, Characteristics and elements of abnormal behavior; Difference between normal and abnormal behavior. Classifying abnormal behavior – DSM IV TR; **Determinants of abnormal behavior:** Biological, Psychological and Socio-cultural; **Anxiety Disorders:** Nature and types of Anxiety disorders-Phobias and panic disorder, Obsessive-compulsive disorders, Generalized anxiety disorders; **Schizophrenia & Delusional Disorder:** General symptoms, types & causes (briefly) Delusional Disorder (paranoid) Clinical picture & causes; **Mood Disorder:** Normal depression, symptoms of mild to moderate & moderate to serve mood disorder, causal factors; **Personality Disorders:** Anti-social Personality, Crime & Delinquency, **Substance Abuse:** Nature, types and treatment of substance abuse, **Therapeutic Approaches:** Psychoanalytical Therapy; Behavior therapy; Client centered therapy; Mental health and Hygiene.

## F. Textbooks:

1. Butcher, J.N., Mineka, S., & Hooley, J.M., (2004). *Abnormal Psychology*, 12th Edition. Allyn & Bacon.
2. Sarason, I.G., & Sarason, B.R. (2002). *Abnormal Psychology: The problem of maladaptive behavior*, Tenth Edition. Prentice Hall.

## G. Reference Book:

1. John M Neale, Gerald, C Davidson & David A.F. Haaga (1996). *Exploring Abnormal psychology* (6th Ed) John Wiley & Sons.

## H. Lecture Plan:

Lec No.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand	Lecture		NA



		student expectations			
2-3	The concept of normality and abnormality & Characteristics of abnormal behavior	Define Abnormal behavior and its main characteristics	Lecture	I405.1	Written test
3	Difference between normal and abnormal behavior.	Differentiate between normal and abnormal behavior	Lecture	I405.1	Class test
4-5	Classifying abnormal behavior – DSM IV TR	Classify abnormal behavior according DSM IV TR	Flipped Class	1405.2	Home Assignment
6-7	Biological determinants of abnormal behavior	Explain the role of biological factor in development of abnormal behavior	Lecture	I405.2	Class test
8,9	Psychological determinants of abnormal behavior	Discuss the role of early deprivation in development of abnormal behavior.	Flipped classroom	I405.2	Home assignment
10-11	Socio-cultural determinants of abnormal behavior	Identify the role of peer relationship in development maladaptive behavior	Lecture	I405.2	Written test
12-13	Nature and types of Anxiety disorders	Explain anxiety disorder according to DSM IV	Lecture	I405.3	Written test
13-14	Obsessive-compulsive disorders	Describe the etiology of obsessive-compulsive behavior	Lecture	I405.3	Class test
15,16	Generalized anxiety disorders	Describe the symptoms and treatment of GAD	Lecture	I405.3	Class test
17-19	Schizophrenia & Delusional disorders: clinical picture	Explain schizophrenia and its main symptoms	Lecture	I405.4	Class test

20-21	Etiology of schizophrenia and delusional disorders	Identify role of biological factor in development of schizophrenia	Flipped class room	I405.4	Home Assignment
22-24	Mood Disorders: Depressive Disorders (Unipolar)	Enumerate the contribution of various factor in development of unipolar mood disorder	Lecture	I405.5	Class test
25-26	Mood Disorders: Bipolar Disorder	Discuss the main criteria of bipolar mood disorder	Lecture	I405.5	Class test
27-28	Mood Disorders: Treatment Approaches	Discuss the importance of Cognitive behavior therapy	Lecture	I405.5	Class test
29-30	Personality disorder: classification	Classify personality disorder according to DSMIV	Lecture	I405.6	Class test
31-32	Clinical picture of anti-social personality	Explain anti-social personality and its etiology	Flipped Classroom	I405.6	Class test
32-33	Crime and delinquency & its Etiology	Identify the role of psychological factor in development of delinquency	Flipped classroom	I405.6	Home Assignments
34-35	Substance abuse: nature & types	How can drugs be classified. Explain any one classification in detail.	Flipped classroom	I405.7	Home Assignments
36-37	Etiology of substance abuse	Recognize the various factors that are responsible for substance abuse	Lecture	I405.7	Class test
38-39	Treatment of substance abuse disorder	What are different techniques used to treat a person who is suffering from substance abuse disorder	Lecture	I405.7	Class test
39-40	Psychoanalytical therapy	What are the main component of psychoanalytical therapy	Flipped classroom	1405.7	Home Assignments

41-42	Behaviour therapy	Explain the importance of behavior therapy in treatment of abnormal behavior	Think, pair and share	I405.1, I405.4	Class test
42-44	Client centered therapy	Discuss the main component of client centered therapy	Lecture	I405.2, I405.5	Class test
45	Mental health and hygiene	Discuss various factor that are important for maintaining good mental health	Lecture	I403, I405.4	Class test

#### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
<b>PS I405.1</b>	Define abnormal psychology & the criteria used to identify such behaviors.	3									
<b>PS I405.2</b>	Discuss the various causal factors of abnormal behavior.	3						1			
<b>PS I405.3</b>	Describe the clinical picture of anxiety disorder.				1						
<b>PS I405.4</b>	Explain the major symptoms and causes of schizophrenia	2									
<b>PS I405.5</b>	Understand the clinical picture of mood disorder.										

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

Social Psychology | PS1406 | 3 Credits 2103

**A. Introduction:** This course is offered by Department of Psychology as a subsidiary course, targeting students who pursue seeking knowledge about how an individual behavior is affected and influenced by the society. The course offers in depth knowledge of the development of social psychology as a discipline and explores various domains of society and

behaviour. Students are expected to have basic knowledge of the factors affecting individual behavior when an individual is in group setting. Students would develop the skill for dealing with different life situations and tackle group behavior.

**B. Course Objectives:** At the end of the course, students will be able to

**[PSI406.1].** Define the Social psychology and gain conceptual knowledge about social cognition and perception, attitude change, prejudice, group behaviour, leadership

**[PSI406.2].** Apply principles of social psychology in various domains of human life

**[PSI406.3].** Define and understand the concept of Social Cognition and social Perception

**[PSI406.4].** Understand the process of attitude formation and attitude change and develop the skill to measure attitudes

**[PSI406.5].** Understand group behavior and develop ability to deal with human behavior in various social settings

## C. Program Outcomes and Program Specific Outcomes

**[PO.1] Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

**[PO.2] Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

**[PO.3] Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

**[PO.4] Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

**[PO.5] Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

**[PO.6] Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

**[PO.7] Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In Class tests and Assignments , Activity feedbacks (Accumulated and Averaged)	10

End Term Exam (Summative)	End Term Exam (Close Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS

**Introduction:** Nature, goal and scope of social psychology and other social sciences; Methods of social psychology- Experimental and non-experimental methods; **Social Perception and Cognition:** Perceiving ourselves- self-concept, self-esteem, self-presentation and self-expression. Perceiving others-Impression formation, Attribution theory; **Attitudes:** Nature and functions of attitudes, Attitude and behaviour, formation, change and measurement of attitudes; **Group Behaviour:** Group Structure and functions, Social facilitation and loafing, Conformity and compliance, Group cohesiveness and group think; **Leadership:** Definition, functions and types of leaders; Characteristics of an effective leader, theories of leadership; **Pro-social And Aggressive Behaviour:** Determinants of helping behaviour, Roles of empathy, learning and attribution in helping; bystander effect, Promoting helping behaviour; Meaning and definition of aggression, Theoretical perspectives of aggressive behaviour, Role of Personal and social factors, Prevention and control of aggression; **Gender & Social Psychology:** Meaning and theories of Gender; Gender similarities and differences; Gender stereotypes, sex-role orientations, gender and media.

## F. Textbooks:

1. Baron, R. A., Branscombe, N. R., & Byrne, D. (2009). Social Psychology (12th Eds.). Boston, MA: Pearson/Allyn and Bacon.
2. Myers, D.G (2002). Social Psychology, 7th international, NY: McGraw Hill.

## G. Lecture Plan:

Lec No.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2	Nature, Goal & Scope of social psychology	Understand the nature, goal & Scope of social psychology	Lecture	PSI406.I	NA
3,4	Methods of social psychology: Experimental & Non-Experimental	Learn the various methods of research used in Social Psychology	Lecture & Discussion	PSI406.I	Written test
5	Revision Test				

6	Introduction : Social Cognition and Social Perception	Define and understand the concept of Social Cognition and Social Perception	Lecture & Discussion	PSI406.3	Class test
7,8	Perceiving Ourselves: Self Concept, Self Esteem	Recognize and understand the aspects of personality such as Self Concept, Self- esteem in terms of perceiving others	Lecture & Discussion	PSI406.3	Home Assignment
9	Self-Presentation , Expression and Impression formation	Recognize the role of impression formation in social interaction	Lecture & Discussion	PSI406.3	Class test
10,11	Attribution and Theories of Attribution	Understand the concept of attribution and its theoretical foundations	Lecture & Discussion	PSI406.3	Class Test
12	Revision Test				Written test
13	Attitudes : Nature, Definition of Attitudes	Define and understand the concept of attitudes	Lecture & Discussion	PSI406.4	Home assignment
14	Function : Attitude and Behaviour	Understand the relationship between attitude and behaviour	Lecture & Discussion	PSI406.4	Class test
15,16	Formation of Attitudes : Concept and theories	Understand the process of attitude formation and its theoretical foundations	Lecture & Discussion	PSI406.4	Class test
17	Measurement of Attitudes	Develop skills to measure attitudes	Lecture & Discussion	PSI406.4	Class test
18	Change of Attitudes	Understand the process of attitude change	Lecture & Discussion	PSI406.4	Home Assignment
19	Revision test				Class test
20	Introduction & Nature of Group	Define Group and understand the nature of group	Lecture & Discussion	PSI406.5	Class test
21	Group structure	Understand the aspects of group structure	Class Activity	PSI406.5	Class test
22	Functions of Group	Delienenate the functions of groupand	Lecture & Discussion	PSI406.5	Class test

		its application in social setting			
23	Social facilitation and loafing	Understand the concept of Social facilitation and loafing	Class Activity	PSI406.5	Class test
24	Conformity	Understand the concept of Conformity	Class Activity	PSI406.5	Class test
25	Compliance	Understand the concept of Compliance	Flipped Classroom	PSI406.5	Home Assignments
26	Group cohesiveness & group think	Understand the concept of Group cohesiveness & group think	Lecture & Discussion	PSI406.5	Class test
27	Compliance, obedience and cooperation	Understand the concept of Compliance, obedience and cooperation	Lecture, Discussion & Activity	PSI406.5	Class test
28	Revision Test				
29	Leadership and types of leader	Define Leaders and classify different types of leader	Lecture & Discussion	PSI406.6	Class test
30	Functions of Leader	Delineate the functions of leader	Lecture & Discussion	PSI406.6	Class test
31	Characteristics of effective leader	Enumerate the characteristics of effective leader	Lecture & Discussion	PSI406.6	Class test
32	Types of leaders	Classify the types of effective leaders	Lecture & Discussion	PSI406.6	Class test
33	Theories of Leadership	Understand the theoretical foundation of leadership behaviour	Lecture & Discussion	PSI406.6	Class test
34	Revision Test				
35	Pro-social behaviour : definition, determinants	Define and understand the concept of Pro-social behaviour	Lecture & Discussion	PSI406.7	Class test
36	Role of Empathy, learning and attribution in helping, bystander effect	Understand the role of Empathy, learning and attribution in helping, bystander effect	Lecture & Discussion	PSI406.7	Class test

37	Promoting pro-social behaviour	Develop the ability of pro-social behavior and its application in social setting	Lecture & Discussion	PSI406.7	Class test
38	Aggression : meaning, definition, types	Understand the meaning of Aggression and classify the types of aggression	Lecture & Discussion	PSI406.7	Class test
39	Theories of Aggression	Understand the theoretical perspectives to aggression	Lecture & Discussion	PSI406.7	Class test
40	Role of personal and social factors in aggression	Analyse the role of personal and social factors in aggression	Lecture & Discussion	PSI406.7	Class test
41	Prevention and control of aggression	Develop skills to deal with aggression	Lecture & Discussion	PSI406.7	Class test
42	Revision Test				Class test
43	Concept of Gender	Understand the concept of Gender	Lecture & Discussion	PSI406.8	Class test
44	Theories of Gender	Understand the theoretical perspectives to gender	Lecture & Discussion	PSI406.8	Class test
45	Gender similarities and differences	Understand the individual difference in terms of Gender	Lecture & Discussion	PSI406.8	Class test
46	Gender stereotypes, Sex-role orientations	Assess and analyse the role of gender stereotypes, sex-role orientation in social behaviour	Lecture & Discussion	PSI406.8	Class test
47	Gender and Media	Assess the relationship between media and gender	Lecture & Discussion	PSI406.8	Class test
48	Course Revision				



**I. Course Articulation Matrix: (Mapping of COs with POs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO2	PO 3	PO 4	PO 5	PO 6	PO 7
PSI406.1	Define Social psychology and gain conceptual knowledge about social cognition and perception, attitude change, prejudice, group behaviour, leadership	1						1
PSI406.2	Apply principles of social psychology in various domains of human life			1		1	1	
PSI406.3	Define and understand the concept of Social Cognition and social Perception	1		1	1	1	1	1
PSI406.4	Understand the process of attitude formation and attitude change and develop the skill to measure attitudes	2				1		1
PSI406.5	Understand group behavior and develop ability to deal with human behavior in various social settings							

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**Manipal University Jaipur**  
School of Humanities and Social Sciences

Department of Philosophy  
Course Hand-out

Modern Indian Thought| PH 1405 | 4 Credits | 3 | 0 4

**A. Introduction:** The course, Modern Indian Thought, introduces significant thinkers who contributed and influenced philosophical, ethical and political thinking in modern India. The period of Indian modernity, which may otherwise be called Indian renaissance, had been one of the fertile periods in the history of thinking in India. The main architects who moulded modern Indian thought in its first-half are Swami Vivekananda, Sri Aurobindo, Mohammed Iqbal, Rabindranath Tagore, S. Radhakrishnan, Mahatma Gandhi, and Babasaheb Ambedkar; and some significant names who influenced its second-half are J. Krishnamurti, Daya Krishna, and Raimon Panikkar. Therefore, this course is designed to introduce the major concepts and philosophical tenets as well as ethical and political thought these thinkers introduced, which span across early modern Indian thought to late modern Indian thought. Being informed about the novel thinking patterns that influenced and which continue to influence our present is a basic requirement of human thinking to be able to lead an engaged life, and to become a reflective human being and a good citizen. This course provides the conceptual foundation and philosophical grounding to engage, reflect, and deliberate on present problems in Indian thought.

**B. Course Outcomes:** At the end of the course, students will be able to

- [1405.1]. Evaluate the merits and demerits of arguments pertaining to modernity and renaissance.
- [1405.2]. Recognise traditions of thought and thinkers who influenced modernity in India.
- [1405.3]. Appraise history of thought and heritage of modern India, and enhance employability skills.
- [1405.4]. Critically engage with philosophical, moral, and political concepts prevalent in modern India.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

Background, Swami Vivekananda: man, universal religion; practical Vedanta. Sri Aurobindo: reality as "satcitananda"; three phases of reality- evolution; mind and supermind; integral yoga. Mohammed Iqbal: intellect and intuition; self; perfect man. Rabindranath Tagore: man and God; religion of man. S. Radhakrishnan: God and the Absolute; intellect and intuition; the idealist View of life. J. Krishnamurti: the self; freedom from the known; inner revolution. M.K. Gandhi: truth; non-violence; swaraj; sarvodaya; critique of modern Civilization. B.R. Ambedkar: critique of social evils; neo- Buddhism. Daya Krishna: conceptual thinking, creativity in philosophy. Raimon Panikkar: interculturality, cosmotheandric vision.

#### F. REFERENCE BOOKS

1. B.K. Lal, *Contemporary Indian Philosophy*, Mohanlal Banarsidas, Delhi, 1978.
2. D. H. Bishop (ed.), *Thinkers of the Indian Renaissance*, Wiley Eastern, New York, 1982.
3. V. Grover, *Political Thinkers of Modern India*, Deep & Deep Publications, New Delhi, 1990.
4. N. Rao, *Contemporary Indian Philosophy*, Bharatiya Vidyabhavan, Bombay, 1970.
5. Sharma, Aravind. *Modern Hindu Thought: An Introduction*. Oxford University Press, 2005.
6. D. Krishna, *The Nature of Philosophy*, Prachi Prakashan, 1955.
7. R. Panikkar, *The Cosmotheandric Insight. Emerging Religious Consciousness*, Orbis Books, New York, 1993.

**G. Lecture Plan:**

Lecture, No.	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1, 2, 3	Introduction: Indian modernity	Explain teacher's expectations and understand student expectations. Basic features of modernity.	Lecture	I405.1	In class Quiz Mid Term I End Term Exam
4, 5, 6	Overview of major Indian thinkers	Introduce major Indian thinkers.	Lecture	I405.1	In class Quiz Mid Term I
7, 8, 9	Main features of Indian modernity	Characteristic features of Indian modernity	Lecture	I405.1	In Class Quiz, Home assignment Mid Term I
10, 11, 12	Indian renaissance	Understand the issues involved in Indian Renaissance	Lecture; discussion	I405.1	Class Quiz Mid Term I
13, 14, 15, 16	Swami Vivekananda	Concept of human nature, universal religion; practical Vedanta.	Lecture; discussion ; presentation	I405.2	In Class Quiz Mid Term I
17, 18, 19, 20	Sri Aurobindo	Concept of reality as "satcitananda"; three phases of reality- evolution; mind and supermind; integral yoga.	Lecture; discussion ; presentation	I405.2	Class Quiz, Home assignment Mid Term II
21, 22, 23, 24	Mohammed Iqbal	Concepts of intellect and intuition; self; perfect human.	Lecture	I405.2	Class Quiz Mid Term II
25, 26, 27, 28	Rabindranath Tagore	Concepts of man and God; religion of man; spiritual freedom; nation.	Lecture; discussion ; presentation	I405.2	Class Quiz Mid Term II
29, 30, 31	S. Radhakrishnan	Concepts of God and the Absolute; intellect and intuition; the idealist view of life.	Lecture	I405.2	Class Quiz, Home assignment Mid Term II
32, 33, 34, 35	Mahatma Gandhi	Concept of truth; non-violence; swaraj; sarvodaya; critique of modern Civilization.	Lecture; discussion ; presentation	I405.2	Class Quiz Mid Term II

36, 37, 38, 39	B. R. Ambedkar	Critique of social evils; neo-Buddhism.	Lecture, discussion ; presentation	I405.3	Class Quiz, Home assignment; End Term
40, 41, 42	J. Krishnamurti	Concept of the self; freedom from the known; inner revolution.	Lecture	I405.3	Class Quiz Mid Term II End Term
43, 44, 45	Raimon Panikkar	Concepts of interculturality, cosmotheandric vision.	Lecture	I405.3	End Term
46, 47, 48	Daya Krishna	Conceptual thinking, creativity in philosophy.	Lecture; discussion	I405.3	End Term
49	Contemporary Indian thought	Various forms of assimilations of modern concepts in the present	Lecture; discussion ; flipped class	I405.4	Class Quiz, Home assignment; video; End Term
50	Contemporary Debates in Indian thought	Discuss contemporary problems of thought	Lecture; discussion ; flipped class	I405.4	Class Quiz; Discussion; End Term
51	Conclusion	Recall course contents and their importance	Discussion	I405.4	Class Quiz; flipped class; End Term

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
I405.1	Evaluate the merits and demerits of arguments pertaining to modernity and renaissance.		1	2			3	
I405.2	Recognise traditions of thought and thinkers who influenced modernity in India.			2	2		3	
I405.3	Appraise history of thought and heritage of modern India.		1	2		3	3	
I405.4	Critically engage with philosophical, moral, and political concepts prevalent in modern India.			2		2		

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



# MANIPAL UNIVERSITY JAIPUR

School of Humanities and social science

Department of Arts

Course Hand-out

Contemporary Western Philosophy | PH 1406 | 4 Credits

## A. Introduction:

The second half of the 18<sup>th</sup> Century is an interesting period of intellectual development in the West. Alternating between empiricism and idealism, thinkers concerned themselves with systems of logic or common principles that would bind or explain all the problems of Philosophy. An ideal principle which beyond the purview of religion would account for knowledge and experience, to explain nature, history and human institutions. A study of this period of philosophical system building and its transformation will introduce students to seminal philosophical concepts in contemporary Philosophy. Students will encounter the different perspectives with which the Western world has approached the nature of reality and knowledge and the manner in which these concepts shape our modern worldview.

## B. Course Objectives:

[I406.1] Grasp the historical development of contemporary Western Philosophy.

[I406.2] Understand and analyze seminal concepts in contemporary Western Philosophy.

[I406.3] Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.

[I406.4] Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.

## C. Program outcomes and Course specific outcomes:

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

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of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
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	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	20
End Term Exam (Summative)	End Term Exam (Class Book)	40
	Total	100
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus:

**Post-Kantian Idealism:** Hegel: The conception of Geist (spirit), the dialectical method, concepts of being, non-being and becoming, absolute idealism. **Positivism and Pragmatism:** Karl Marx: Dialectical, historical and atheistic materialism, critique of religion, humanism; William James and C.S Pierce: Pragmatic theories of meaning and truth. **Empirical Realism:** Bertrand Russell: Refutation of Idealism, logic as the essence of philosophy, logical atomism.

**Logical Positivism and Analytical Philosophy:** A.J. Ayer: The verifiability theory of meaning, the verification principle, rejection of metaphysics, unity of science; Wittgenstein: Language and reality, facts and objects, names and propositions, the picture and use theory, philosophy and language, forms of life; G. Ryle: Systematically misleading expressions, category mistake, concept of mind, critique of Cartesian dualism; G.E. Moore: Refutation of Idealism, defence of common sense, philosophy and analysis. **Philosophies of Life and Phenomenology:** Nietzsche: Critique of western culture, will to power; Husserl: Reduction through bracketing, Noesis-Noema and the object. **Existentialism:** Sartre: Negative existentialist mood, being and nothingness, freedom, being in-itself and being for-itself, theory of consciousness ; Heidegger : Man as being- in-the-world, facticity and fallenness, authenticity and inauthenticity, time and historicity.

#### F. References:

1. F. Copleston, A History of Philosophy, Vols. VII, VIII & IX. Image Books, New York, 1993.
2. A. R. Caponigri, A History of Western Philosophy, Vol. 5. Notre Dame University Press, 1971.
3. F. Thilly, A History of Philosophy, H. Holt and Company, 1914.
4. A. K. Rogers, A Student's History of Philosophy, Macmillan, London, 1932.
5. B. Russell, History of Western Philosophy, Routledge, Delhi, 2004.
6. M.J. Walsh, A History of Western Philosophy, Chapman, London, 1984.
7. W.T Jones, A History of Western Philosophy, Wadsworth Publishing; 2nd edition, 1969.
8. D'Connor, A Critical History of Western Philosophy, Free Press/Collier-Macmillan, 1964.
9. S.E. Stumpf, Socrates to Sartre and Beyond, McGraw-Hill Humanities/Social Sciences/Languages, 8 edition, 2007.

### G. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1.	Introduction and Course Hand-out briefing	Grasp the historical development of contemporary Western Philosophy.	Lecture	NA	NA
2.	<b>An Introduction to Contemporary Western Philosophy (Two Classes).</b>	Grasp the historical development of contemporary Western Philosophy.	Lecture, Discussion	I406.1	Class Quiz (Not Accounted)
3.	<b>An Introduction to Post-Kantian Idealism.</b>	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT Discussion	I406.1	Class Quiz End Term
4.	Hegel: The conception of Geist (spirit) and the dialectical method.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	I406.2	Home Assignment End Term
5.	Hegel: The concepts of being, non-being and becoming.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	I406.2	Class Quiz Mid Term I End Term
6.	Hegel: The concepts of being, non-being and becoming.	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, Discussion	I406.2	Class Quiz Mid Term I End Term
7.	Hegel: Absolute idealism.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Group Discussion	I406.2	Class Quiz Mid Term I End term
8.	Hegel: Absolute idealism.	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, Discussion	I406.2	Home Assignment Class Quiz Mid Term I End Term
9.	<b>An introduction to Positivism and Pragmatism.</b>	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, Group Discussion	I406.2	Class Quiz Mid Term I End Term
10.	Karl Marx: Dialectical, historical and atheistic materialism (Two Classes).	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, Group Discussion	I406.2	Class Quiz Mid Term I End Term
11.	Karl Marx: Critique of religion, humanism.	Grasp the historical development of	Lecture, Discussion	I406.2	Class Quiz Mid Term I End Term



		contemporary Western Philosophy.			
12	Introduction to William James and C.S Pierce.	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, PPT, Discussion	1406.2	Class Quiz Mid Term I End Term
13.	Introduction to William James and C.S Pierce.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	1406.2	Class Quiz Mid Term I End Term
14.	Pragmatic theories of meaning and truth.	Grasp the historical development of contemporary Western Philosophy.	Lecture, Group Discussion	1406.2	Class Quiz Mid Term I End Term
15.	An introduction to Empirical Realism.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	1406.2	Class Quiz Mid Term I End Term
		communication that are essential for employment in today's job market.			
16.	Bertrand Russell: Refutation of Idealism.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	1406.3	Class Quiz End Term
17.	Bertrand Russell: Logic as the essence of Philosophy.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	1406.3	Class Quiz End Term
18.	Bertrand Russell: Logical atomism.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	1406.3	Class Quiz End Term
19.	<b>An Introduction to Logical Positivism and Analytical Philosophy ( Two Classes).</b>	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	1406.2	Class Quiz Midterm II End Term
20.	A.J. Ayer: The verifiability theory of meaning and the verification principle.	Grasp the historical development of contemporary	Lecture, Discussion	1406.2	Class Quiz Midterm II End Term

		Western Philosophy.			
21.	A.J. Ayer: The rejection of metaphysics and the unity of science.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I406.2	Class Quiz Midterm II End term
22.	Wittgenstein: Language and reality.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I406.2	Class Quiz Midterm II End Term
23.	Wittgenstein: Facts and objects, names and propositions.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I406.2	Class Quiz Mid Term II End Term
24.	Wittgenstein: The picture and use theory, forms of life.	Foster the skills of critical thinking, creativity and efficient communication that	Lecture, PPT, Discussion	I406.2	Class Quiz Mid Term II End Term
		are essential for employment in today's job market.			
25.	Wittgenstein: Philosophy and language.	Grasp the historical development of contemporary Western Philosophy.	Lecture, Discussion	I406.2	Class Quiz Mid Term II End Term
26.	G. Ryle: Systematically misleading expressions, category mistakes.	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, PPT, Discussion	I406.2	Class Quiz Mid Term II End Term
27.	G. Ryle: Concept of mind.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, PPT, Discussion	I406.2	Class Quiz Mid Term II End Term
28.	G. Ryle: Critique of Cartesian dualism.	Understand and analyze seminal concepts in contemporary Western Philosophy	Lecture, PPT, Discussion	I406.2	Class Quiz Mid Term II End Term
29.	G.E. Moore: Refutation of Idealism.	Clarify cultural pluralism	Lecture, Discussion	I406.3	Class Quiz Mid Term II End Term

30.	G.E. Moore: Defence of common sense.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.3	Class Quiz Mid Term II  End Term
31.	G.E. Moore: Philosophy and analysis	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Group Discussion	I406.3	Class Quiz End Term
32.	<b>An introduction to the Philosophies of Life.</b>	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I406.3	Class Quiz End Term
33.	An introduction to Phenomenology.	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I406.3	Class Quiz End Term
34.	Nietzsche: Critique of Western culture	Foster the skills of critical thinking, creativity and efficient communication that	Lecture, PPT, Discussion	I406.3	Class Quiz End Term
		are essential for employment in today's job market.			
35.	Nietzsche: Critique of Western culture.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.4	Class Quiz End Term
36.	Nietzsche: The will to power (Two classes).	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Group Discussion	I406.4	Class Quiz End Term
37.	Husserl: Reduction through bracketing.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.4	Class Quiz Home Assignment End Term
38.	Husserl: Noesis-Noema and the object (Two Classes).	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	Lecture, Discussion	I406.4	Class Quiz End Term

39.	An introduction to Existentialism (Two classes).	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	I406.4	Class Quiz End Term
40.	Sartre: Negative existentialist mood.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.4	Class Quiz End Term
41.	Sartre: Being and nothingness	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.4	Class Quiz End Term
42.	Sartre: Freedom, being in-itself and being for-itself.	Propose intercultural approach in Science	Lecture, Discussion	I406.4	Class Quiz End Term
43.	Sartre: Theory of consciousness.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	I406.4	Class Quiz End Term
44.	Heidegger: Man as being- in-the-world.	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Group Discussion	I406.4	Class Quiz Home Assignment End Term
45.	Heidegger : Facticity and fallenness	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, Discussion	I406.4	Class Quiz End Term
46.	Heidegger : Authenticity and inauthenticity	Grasp the historical development of contemporary Western Philosophy.	Lecture, Discussion	I406.4	Class Quiz End Term
47.	Heidegger: Time and historicity	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	Lecture, PPT, Discussion	I406.4	Class Quiz End Term
48.	Conclusion and Course summarization	NA	Lecture	NA	NA

## H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Corelation: Program Outcomes and Program Specific Outcomes										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PSO 2	PSO3	PSO4
PH1406.1	Grasp the historical development of contemporary Western Philosophy.	1		1	1	1	1	1				
PH1406.2	Understand and analyse seminal concepts in contemporary Western Philosophy.	2		3	1	1	1	1				
PH1406.3	Recognize and scrutinize the basics of the philosophical method as found in contemporary Western Philosophy.	2		1	1	1		2				
PH1406.4	Foster the skills of critical thinking, creativity and efficient communication that are essential for employment in today's job market.	2		1	3	1		2				

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Western political Thought | POI405| 4 Credits |

**A. Introduction:** To help students appreciate the relevance and significance of the political thought and philosophy of these specific Western political thinkers

**B. Course Objectives:** At the end of the course, students will be able to

I405.1 To understand the relevance and context of Western political thought

I405.2 To enable students to not only understand these thinkers in the historical context but also in the present.

I405.3 To understand the development of thought from Plato to Marx

I405.4 Compare and contrast various concepts in the works of different western political thinkers

I405.5 To render students professionally capable for administrative services, higher education or research in think tanks and organisations

### C. Program Outcomes and Program Specific Outcomes

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting

social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus

**Plato:** Ideal State, Philosopher King, Education, Justice and Communism; **Aristotle:** State, Examining the statement, "Sub ideal state of Plato is the ideal state of Aristotle", Citizenship, Slavery, Revolution; **Machiavelli**: Machiavelli as a child of his own age, father of modern age, teachings to the Prince, Machiavelli and Kautilya, **Social Contractualists : Hobbes, Locke and Rousseau:** Human Nature, State of Nature, Social Contract Theory, Idea of the Sovereign; **Jean Bodin**: Idea of State and Sovereignty, **Karl Marx**: Dialectical Materialism, Theory of Surplus Values, Communism.

#### F. References:

1. Sabine, George H. (1973) *A History of Political Thought*, Oxford University Press : Oxford.
2. Barker, Ernest, (2013) *Greek Political Theory : Plato and his Predecessors*, 1st Edition, Routledge : London.
3. Ramaswamy, Sushila and Subrata Mukherjee (2011) *A History of Political Thought: Plato to Marx*, Prentice Hall India : Delhi.

4. Johari, J.C. (2012) *Political Thought : Ancient and Medieval*, Metropolitan Book Co.Pvt Ltd. : New Delhi.
5. Nelson, B. (2008) *Western Political Thought*, Pearson Longman:Delhi.

## 2-Lecture Plan:

Lec. No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction about the course	Clarity of basic concepts	Lecture	NA	Quiz of previous class, Mid Term I, End Term Examinations
2	<b>Plato</b>	Life sketch and importance in Western Political	Lecture	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
		Thought			
3,4	<b>Plato</b>	Ideal State	Lecture	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
5,6	<b>Plato</b>	Philosopher King	Presentations	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
7,8	<b>Plato</b>	Education	Lecture	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
9	<b>Plato</b>	Justice	Lecture	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
10	<b>Plato</b>	Communism of Property	Lecture	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
11	<b>Plato</b>	Communism of Wives	Lecture and illustrations	I405.1	Quiz of previous class, Mid Term I, End Term Examinations
12	<b>Aristotle</b>	Life Sketch	Lecture	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
13	<b>Aristotle</b>	Idea of State	Lecture	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
14	<b>Aristotle</b>	Critical Appreciation of the idea of State	Lecture and case illustrations	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
15,16	<b>Aristotle</b>	Citizenship	Lecture and case illustrations	I405.2	Quiz of previous class, Mid Term II, End Term Examinations

17	<b>Aristotle</b>	Aristotle's view of Plato's State	Lecture	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
18	<b>Aristotle</b>	Slavery	Lecture	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
19	<b>Aristotle</b>	Slavery	Lecture	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
20	<b>Aristotle</b>	Revolution	Lecture and case illustrations	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
21	<b>Aristotle</b>	Revolution	Lecture	I405.2	Student Recap of previous class, Mid Term Examination II
22	<b>Machiavelli</b>	Life Sketch	Lecture	I405.2	Student Recap of previous class, Mid Term Examination II
23	<b>Machiavelli</b>	As a Child of his own age	Lecture and case illustrations	I405.2	Quiz of previous class, Mid Term II, End Term Examinations
24	<b>Machiavelli</b>	Father of Modern Age	Lecture	I405.2	Quiz of previous class, End Term Examinations
25	<b>Machiavelli</b>	Father of Modern Age	Lecture	I405.2	Quiz of previous class, End Term Examinations
26	<b>Machiavelli</b>	Teachings to the Prince	presentations	I405.2	Quiz of previous class, End Term Examinations
27	<b>Machiavelli</b>	Teachings to the Prince	presentations and case studies	I405.2	Quiz of previous class, End Term Examinations
28	<b>Machiavelli</b>	Machiavelli and Kautilya: Similarity in thoughts	Lecture	I405.2	Quiz of previous class, End Term Examinations
29	<b>Machiavelli</b>	Machiavelli and Kautilya: Differences	Lecture	I405.2	Quiz of previous class, End Term Examinations
30	<b>Social Contractualists</b>	Hobbes, Locke and Rousseau: General Discussion	Lecture	I405.3	Quiz of previous class, End Term Examinations
31	<b>Hobbes</b>	Life Sketch and Human Nature	Lecture	I405.3	Quiz of previous class, End Term Examinations



32	<b>Hobbes</b>	State of Nature	presentations	I405.3	Quiz of previous class, End Term Examinations
33	<b>Hobbes</b>	Social Contract Theory	Lecture	I405.3	Quiz of previous class, End Term Examinations
34	<b>Hobbes</b>	Idea of Sovereign	Lecture	I405.3	Quiz of previous class, End Term Examinations
35	<b>Locke</b>	Life Sketch and Human Nature	Lecture	I405.3	Quiz of previous class, End Term Examinations
36	<b>Locke</b>	State of Nature	Case studies	I405.3	Quiz of previous class, End Term Examinations
37	<b>Locke</b>	Social Contract Theory	Lecture	I405.1 I405.2 I405.3	Quiz of previous class, End Term Examinations
38	<b>Locke</b>	Idea of the Sovereign	Lecture	I405.1 I405.2 I405.3	Quiz of previous class, Mid Term I, End Term Examinations
39	<b>Rousseau</b>	Life Sketch and Human Nature	Lecture	I405.3	Quiz of previous class, Mid Term I, End Term Examinations
40	<b>Rousseau</b>	State of Nature	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
41	<b>Rousseau</b>	Social Contract Theory	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
42	<b>Rousseau</b>	Idea of Sovereign	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
43	<b>Jean Bodin</b>	Life Sketch	Movie screening	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
44	<b>Jean Bodin</b>	Idea of State	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
45	<b>Jean Bodin</b>	Idea of State	Movie screening	I405.3, 4 and 5	Quiz of previous class, Mid Term I, End Term Examinations
46	<b>Jean Bodin</b>	Idea of Sovereignty	Movie screening and discussion	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations
47	<b>Jean Bodin</b>	Idea of Sovereignty	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations
48	<b>Karl Marx</b>	Life sketch	Screening & discussion	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations
49	<b>Karl Marx</b>	Dialectical Materialism	Lecture	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations

50	<b>Karl Marx</b>	Theory of Surplus Value	Screening & discussion	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations
51	<b>Karl Marx</b>	Socialism	Screening & discussion	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations
52	<b>Karl Marx</b>	Communism	Screening & discussion	I405.3, 4 and 5	Quiz of previous class, Mid Term II, End Term Examinations

### 3-Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO2	PSO3	PSO4
POI405.1	To understand the relevance and context of Western political thought	I						I				
POI405.2	To enable students to not only understand these thinkers in the historical context but also in the present.	3		I		I	I					
POI405.3	To understand the development of thought from Plato to Marx	I		I	I	I	I	I				
POI405.4	Compare and contrast various concepts in the works of different western political thinkers	2				I		I				

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**International Affairs| POI406| 4 Credits**

## A. Introduction

The world today is becoming a small space where the individual, nation and the international system are in constant interaction. The dynamics of each affects the other. International Relations is the study of relationship and interactions among various state and non-state actors. It is an essential branch of knowledge for students of Political Science as it helps to understand the activities and policies of national governments, international organizations etc.

## B. Course Outcomes

On completion of the course the students will be able to:

- [I406.1] understand and analyse the International System along with its institutions and features in past and present
- [I406.2] analyse the causes and consequences of the World Wars
- [I406.3] comprehend various international issues, Indian foreign policy and issues of global concerns.
- [I406.4] To render students professionally capable for administrative services, higher education or research in think tanks and organisations

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10

End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E SYLLABUS

**Theories of International Relations:** Realism vs. Non Realism, **World Wars and their impact:** World War I and II, **International Organisations:** League of Nations; United Nations; South Asian Association for Regional Cooperation (SAARC), BRICS, G20 and G7; **World Orders:** Cold War; Détente, Etente, Unipolar world vs. Multipolar world; **India's foreign policy:**, its major determinants, Non-Alignment, Policy with neighbours, Foreign Policy with U.S., China and Pakistan, Non-Aligned-Movement (NAM), **Major international issues post-Cold War** : Regionalism, Globalisation, the role and importance of transnational actors such as regional organisations and others.

## F. Text/ Reference Books:

1. Morgenthau, Hans J. (2007) *Politics Among Nations: The Struggle for Power and Peace*, Kalyani Publishers: Ludhiana.
2. Baylis, John, Smith, Steve and Owens, Patricia (2013) *The Globalization of World Politics: An Introduction to International Relations*, 6<sup>th</sup> Edition, Oxford University Press: Oxford.
3. Khanna, V. N. (2009), *International Relations*, 4<sup>th</sup> Edition, Vikas Publishing House: Mumbai.
4. Palmer and Perkins (2001) *International Relations*, 3<sup>rd</sup> Edition, CBS Publishers: Delhi.
5. Goldstein, Joshua S. and Jon, Pevehouse C. (2008), *International Relations*, Pearson Longman: London.
6. Viotti, Paul R. and Kauppi, Mark V. (2012) *International Relations Theory*, 4<sup>th</sup> Edition, Pearson Longman: London.
7. Art, Robert J. and Jervis, Robert, (2005) *International Politics: Enduring Concepts*, Pearson Longman: London
8. Nye, Joseph S. Jr. and Welch, David A. (2012) *Understanding Global Conflict And Cooperation*, 9<sup>th</sup> Edition, Pearson Longman: London.

## G. Lecture Plan

Lec. No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	Levels of analysis	Understanding how International Relations functions through levels of analysis	Lecture	NA	NA

2	<b>Theories of International Relations</b>	Different theories of International Relations in general	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
3,4	<b>Realism</b>	Understanding the theory	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
5,6	<b>Realism</b>	Variants of Realism and their critical appreciation	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
7,8	<b>Liberalism</b>	How Realism is different from Liberalism	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
9	<b>World Wars</b>	Condition of Europe before First World War	Lecture	I406.2	Class test, Home Assignment, Mid Term-II, End Term
10	<b>World Wars</b>	Causes of the First World War	Lecture	I406.2	Class test, Home Assignment, Mid Term-II, End Term
11	<b>World Wars</b>	Sequence of Events of the First World War	Presentation	I406.2	Class test, Home Assignment, Mid Term-II, End Term
12	<b>League of Nations</b>	Consequences of the First World War	Lecture	I406.2	Class test, Home Assignment, Mid Term-II, End Term
13, 14, 15, 16, 17, 18	<b>World Wars; United Nations</b>	Impact of the First World War on Europe and World	Lecture	I406.2	Class test, Home Assignment, Mid Term-II, End Term
19	<b>The UN</b>	Amendments	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
20	<b>Cold War</b>	Reasons	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
21	<b>Détente</b>	Sequence of Events	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
22	<b>Unipolar vs. Multipolar</b>	Explanation of both	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
23	<b>Unipolar vs. Multipolar</b>	Explanation of both	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
24	<b>Unipolar vs. Multipolar</b>	Explanation of both	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
25	<b>Regionalism</b>	Meaning of the term and its significance	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
26	<b>Globalisation</b>	Meaning of the term and its significance	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term m-II

27	<b>The role and importance of transnational actors such as regional organisations and others</b>	Transnational actors as new regional bodies - analysis	Lecture and case illustrations	I406.1, I406.3	Class test, Home Assignment, Mid Term-II
28	<b>India's foreign policy:</b> at the time of independence	Atmosphere of independence and emerging foreign policy goals	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
29	<b>India's foreign policy:</b> its major determinants	Understanding determinants	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
30	<b>Non Aligned Movement</b>	Reasons and sequence	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
31	<b>Foreign Policy with U.S</b>	Determinants seen in the context of the US	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
32	<b>Foreign Policy with China</b>	Determinants seen in the context of the US	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
33	<b>Foreign Policy with Pakistan</b>	Determinants seen in the context of the US	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
34	<b>SAARC</b>	Reasons for origin	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
35	<b>SAARC</b>	Sequence of summits	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
36	<b>SAARC</b>	Relevance today	presentations	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
37	<b>BRICS</b>	Significance	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
38	<b>G20 &amp; G7</b>	Significance	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
39	<b>India and Major Powers</b>	A brief look on the current relationship	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
40	<b>India and Major Powers</b>	A brief look on the current relationship	Presentation	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
41	<b>India and Neighbourhood</b>	A brief look on the current relationship	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
42	<b>India and Pakistan Relations</b>	A brief look on the current relationship	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
43	<b>CBM</b>	A brief look on the current relationship	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term

44	<b>CBM</b>	A brief look on the current relationship	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
45	<b>Terrorism</b>	A look at the problem understanding its reasons	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
46	<b>Nuclear Proliferation</b>	A look at the current state of affairs	Lecture	I406.1, I406.3	Class test, Home Assignment, Mid Term-II, End Term
47	<b>Human Rights</b>	A look at the current state of affairs	Lecture	I406.1, I406.3	Presentations, End Term
48	<b>Democracy and Environment</b>	A look at the current state of affairs	Lecture	I406.1, I406.3	Quiz, End Term

## COURSE ARTICULATION MATRIX

### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES											
		P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	PS O 1	PS O 2	PS O 3	PS O 4	
POI406.1	To understand and analyse the International System along with its	2	2	3	2	2	1	2					
	institutions and features in past and present.												
POI406.2	To analyse the causes and consequences of the World Wars	2	2	3	3	3	1	3					
POI406.3	To comprehend various international issues, Indian foreign policy and issues of global concerns	3	2	2	2	2	1	3					

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**A. Introduction:-**

Statistical inference is the branch in which we draw inference about the population parameters on the basis of sample information. It is an important subject and plays a key role in all spheres of data analysis. The course aims at providing the basics of estimation theory which emphasis on some commonly encountered estimation procedures.

**B. Course Outcomes:** At the end of the course, students will be able to

- I404.1** Understand the concept of statistical inference
- I404.2** Understand conceptual framework of estimation and estimators
- I404.3** Understand conceptual framework of estimation procedures and their implementation
- I404.4** Understand conceptual framework of point estimation.
- I404.5** Understand the framework of interval estimation

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:-**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50



	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS:-

**Estimation:** Parametric space, sample space. **Point Estimation:** Properties of good estimator: Consistency, unbiasedness, efficiency, sufficiency. Neymann factorization theorem, Complete sufficient statistics, Minimum – variance unbiased (MVU) estimators, exponential family of distributions and its properties, Cramer- Rao inequality, Minimum variance bound (MVB) estimators, Bhattacharya's Bounds, Rao-Blackwell theorem, Lehman Scheffe's theorem and its applications in finding Uniformly Minimum Variance Unbiased Estimators.

**Methods of Estimation:** Method of Maximum Likelihood, Methods of Moments, Minimum chi- square and modified minimum chi- square and their properties. **Interval estimation:** Confidence intervals for the parameters of various distributions, confidence intervals for difference of means and for ratio of variances, confidence interval for binomial proportion and population correlation coefficient when population is normal, pivotal quantity method of constructing confidence interval, large sample confidence intervals.

## F. TEXT BOOKS:-

1. Goon, A.M., Gupta, M.K. and Dasgupta, B., An Outline of Statistical Theory, Vol. II, 3<sup>rd</sup> Edn. World Press, Kolkata, 2005.
2. Kendall and Stuart, Advanced Theory of Statistics Vol.-II, Charles Griffin & Co. Ltd. London, 1961.

## G. REFERENCE BOOKS:-

1. Casella, G. and Berger, R.L., Statistical Inference, Second Edn. Thomson Duxbury, 2002.
2. Hogg, R.V. and Tanis, E.A., Probability and statistical inference, 3rd Edn. Macmillan Publishing Co. Inc., 1988.
3. Rohatgi, V. K., Statistical Inference, John Wiley and Sons, 1984.
4. Mukhopadhyay, P., Applied Statistics, Books & Allied (P) Ltd., 2011.

## H. Lecture Plan:-

LEC NO	TOPICS	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	<b>Estimation:</b> Parametric space, sample space.	<b>To be explain the estimation for</b> Parametric space and sample space.	Flipped Classroom	1404.1	NA

<b>2 – 4</b>	<b>Point Estimation:</b> Properties of good estimator: Consistency, unbiasedness, efficiency, sufficiency.	<b>Recall the</b> properties of good estimator and describe the topic on Consistency, unbiasedness, efficiency, sufficiency.	Lecture	<b>I404.1</b>	In Class Quiz ( Not Accounted )
<b>5, 6</b>	Neymann factorization theorem	Explain and define the Algorithm of Neymann factorization theorem	Lecture	<b>I404.1</b>	In Class Quiz
<b>7- 10</b>	Complete sufficient statistics, Minimum – variance unbiased (MVU) estimators, exponential family of distributions and its properties,	Recall the real life applications in complete sufficient statistics, Minimum – variance unbiased (MVU) estimators, exponential family of distributions and its properties.	Lecture	<b>I404.1</b> <b>I404.2</b>	Home Assignment
<b>11- 13</b>	Cramer- Rao inequality, Minimum variance bound (MVB) estimators,	Explain the each term of Cramer- Rao inequality, Minimum variance bound (MVB) estimators.	Lecture	<b>I404.2</b> <b>I404.3</b>	Class Quiz, Mid Term, End Term
<b>14- 17</b>	Bhattacharya's Bounds, Rao-Blackwell theorem, Lehman Scheffe's theorem and its applications in finding Uniformly Minimum Variance Unbiased Estimators.	Define Bhattacharya's Bounds, Rao-Blackwell theorem, Lehman Scheffe's theorem and its applications in finding Uniformly Minimum Variance Unbiased Estimators and its real life problems.	Lecture	<b>I404.2</b> <b>I404.3</b>	Class Quiz, Mid Term, End Term
<b>18- 24</b>	<b>Methods of Estimation:</b> Method of Maximum Likelihood, Minimum chi- square and modified minimum chi- square and their properties.	<b>Explain the</b> Method of Maximum Likelihood, Minimum chi- square and modified minimum chi- square and their properties and formation of the problems.	Lecture	<b>I404.3</b> <b>I404.4</b>	Class Quiz, Mid Term, End Term
<b>25- 31</b>	<b>Interval estimation:</b> Confidence intervals for the parameters of various distributions, confidence intervals for difference of means and for ratio of variances,	<b>Describe the</b> confidence intervals for the parameters of various distributions, confidence intervals for difference of means and for ratio of variances.	Lecture	<b>I404.2</b> <b>I404.3</b> <b>I404.4</b>	Class Quiz, Mid Term, End Term
<b>32, 33</b>	confidence interval for binomial proportion	Recall real life applications in confidence interval for binomial proportion.	Activity (Think Pair Share)	<b>I404.3</b> <b>I404.4</b>	Class Quiz, Mid Term, End Term

34	population correlation coefficient when population is normal,	Explain some basic terms of population correlation coefficient when population is normal.	Activity (Think Pair Share)	I404.5	Class Quiz, Mid Term, End Term
35, 36	pivotal quantity method of constructing confidence interval, large sample confidence intervals.	Describe and explain the solutions of pivotal quantity method of constructing confidence interval, large sample confidence intervals.	Jigsaw	I404.4 I404.5	Class Quiz, Mid Term, End Term

#### I Course Articulation Matrix: (Mapping of COs with POs and PSOs):-

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
MSI404.1	Understand the concept of statistical inference	2			2			3				
MSI404.2	Understand conceptual framework of estimation and estimators		2	3		2						
MSI404.3	Understand conceptual framework of estimation procedures and their implementation	2		3			1					
MSI404.4	Understand conceptual framework of point estimation		3		2			3				
MSI404.5	Understand the framework of interval estimation	2		2			2					

L.

1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

### APPLIED STATISTICS | MSI405| 3 Credits | 2 | 0 3

#### A. Introduction:-

Applied Statistics is the branch of statistics which provides a conceptual overview of statistical methods with emphasis on application in economics, business and research. It is an important subject and plays a key role in all spheres of data analysis. The course aims at providing the basics of estimation theory which emphasis on some commonly encountered estimation procedures.

#### B. Course Outcomes: At the end of the course, students will be able to

- I405.1 Understand the concept of demand analysis.
- I405.2 Understand conceptual framework of Index numbers.

- I405.3** Understand conceptual framework of time series analysis.  
**I405.4** Understand conceptual framework of statistical Quality Control.

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:-

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS:-

**Demand Analysis:** Laws of demand and supply, price and supply elasticity of demand, partial and cross elasticity of demand, income elasticity of demand, utility function, methods of determining demand and supply curves from family budget and time series data, Leontief's method, Pigou's method, Engel curve and its different forms, Pareto's law of income distribution, curves of concentration. **Index Numbers:** Introduction and their construction, Laspeyres's, Paasche's, Marshall –Edge Worth and Fisher's index numbers, tests for index numbers, uses of index numbers, price, quantity and value relatives, link and chain relatives, chain base index numbers, cost of living index numbers. **Time Series:** Analysis of time series, components of time series, trend measurement by mathematical curves, polynomial, growth curves, moving average method, Spencer's formulae, Effect of elimination of trend on other components of time series, variate difference method and its use for estimation of variance of the random component, measurement of seasonal fluctuations measurement of cyclical component, periodogram analysis. **Statistical Quality Control:** Control charts for variable and attributes. acceptance sampling by attributes- single, double, multiple and sequential sampling plans, concepts of AOQL and ATI, acceptance sampling by variables-use of Dodge-Romig and other tables.

## F. TEXT BOOKS:-

5. Gupta, S.C. and Kapoor, V.K: Fundamentals of Applied statistics, Sultan Chand and Co., 3rd edition, New Delhi, 2008.
6. Benjamin, B., Health and Vital Statistics. G. Allen and Unwin, 1968.
7. Cox, P.R., Demography. Cambridge University Press, 1970.
8. Mukhopadhyay, P., Mathematical Statistics, Books & Allied (P) Ltd., 2009.

## G. REFERENCE BOOKS:-

5. Goon A.M., Gupta M.K. and Das Gupta, B, Fundamentals of Statistics Volume-II, 2001.
6. Mukhopadhyay. P., Fundamental of Statistics Volume-I I, 1999.
7. Agarwal, B.K., Basic Statistics, Wiley India Ltd., New Delhi, 1988.

## H. Lecture Plan:-

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	<b>Demand Analysis:</b> Laws of demand and supply, price and supply elasticity of demand	Understand the basic terminology of demand and supply	Lecture	MSI405.I	Mid Term I End term
2,3	partial and cross elasticity of demand, income elasticity of demand, utility function	Understand the concept of elasticity	Lecture	MSI405.I	Mid Term I End term
4,5	methods of determining demand and supply curves from family budget and time series data	Become able to derive nature of curves of demand	Lecture	MSI405.I	Mid Term I End term
6	Leontief's method, Pigou's method,	Gain knowledge about Pigou method	Lecture	MSI405.I	Mid Term I End term
7	Engel curve and its different forms, Pareto's law of income distribution, curves of concentration.	Understand the importance of Pareto method	Lecture	MSI405.I	Mid Term I End term

8,9	<b>Index Numbers:</b> Introduction and their construction, Laspeyer's, Paashce's, Marshall –Edge Worth and Fisher's index numbers,	Basic knowledge of index numbers	Lecture	MSI405.2	Mid Term I End term
10,11	tests for index numbers,	Familiarity with various methods	Lecture	MSI405.2	Mid Term I End term
12	uses of index numbers, price, quantity and value relatives	Implementations of various methods on real data	Lecture	MSI405.2	Mid Term I End term
13,14	link and chain relatives, chain base index numbers, cost of living index numbers.	Implementations of various methods on real data	Lecture	MSI405.2	Mid Term I End term
15	<b>Time Series:</b> Analysis of time series, components of time series,	Basic knowledge of time series data	Lecture	MSI405.3	Mid Term I End term
16,17	trend measurement by mathematical curves, polynomial, growth curves, moving average method, Spencer's formulae,	Various method's knowledge	Lecture	MSI405.3	Mid Term I End term
18,19, 20,21	Effect of elimination of trend on other components of time series, variate difference method and its use for estimation of variance of the random component,	Become able to develop time series model	Lecture	MSI405.3	Mid Term I End term
22	measurement of seasonal fluctuations	Can analyse seasonal effect	Lecture	MSI405.3	Mid Term II End term
23,24	measurement of cyclical component	Can analyse cyclic effect	Lecture	MSI405.3	Mid Term II End term
25, 26	periodogram analysis	Can analyse seasonal effect	Lecture	MSI405.3	Mid Term II End term
27, 28	<b>Statistical Quality Control:</b> Control charts for variable and attributes.	Knowledge about control charts	Lecture	MSI405.4	Mid Term II End term
29, 30 31, 32 ,33	acceptance sampling by attributes- single, double, multiple and sequential sampling plans,	Familiarity about acceptance sampling	Lecture	MSI405.44	End term

34,35, 36	concepts of AOQL and ATI, acceptance sampling by variables-use of Dodge-Romig and other tables.	Usability of acceptance sampling in industry	Lecture	MSI405.4	End term
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#### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>MSI405.1</b>	Understand the concept of demand analysis.	3						3				
<b>MSI405.2</b>	Understand conceptual framework of Index numbers.			3		2	3					
<b>MSI405.3</b>	Understand conceptual framework of time series analysis.		3		3							
<b>MSI405.4</b>	Understand conceptual framework of statistical Quality Control.	3				3		3				

M.

1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Indian Economy-I | EO 1521 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Dept. of Economics as a course, targeting students who wish to pursue career in the area of economics or higher studies in streams related to Indian economy. Offers in depth knowledge of Indian economy in general and various sectors and their development in particular. Students are expected to have background knowledge in general of Indian Economy for a better learning.

**B. Course Outcomes:** At the end of the course, students will be able to

- [1521.1] Describe and address history of Indian Economy especially post-independence.
- [1521.2] Interpret and illustrate the population and human development in India and issues relating to planning.
- [1521.3] Aware of role, policies and emerging issues concerning agriculture and industrial sector in India.
- [1521.4] Recognize important role played by MSME and SEZs in economic development.
- [1521.5] Recall need and role played by infrastructure development in economic development and present state of infrastructure in India.

#### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and

enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Economic Development since Independence;** Major features of the economy; growth and development under different policy Regimes; constraints, institutions and policy framework-evaluation, transformation of Indian Economy; **Population and Human Development:** Theory of demographic transition with reference to India, Demographic Trends, Recent Population policy; **Indian Economy and issues relating to planning:** Indian Economy in Pre-independence and Post-Independence -Challenges, Features, Issues; **Role, Policies and Productivity of Agriculture Sector:** Role, Nature, Issues and policies for Indian Agricultural Policy, Agriculture Growth; Agricultural Production and Productivity Trends- Low Levels of Productivity, Causes, Measures to increase production; Green Revolution, Impact of Green Revolution; **Role, Policies for Industrial Sector:** Evolution of India's industrial policy, Mahalanobis strategy and India's industrial policy, New Economic Policy and Industrial policy under the policy of liberalization, privatization and globalization, Phases of Industrial development. Role of Small, Medium and Micro enterprises, SEZs- its Main issues,



Industrial sickness; **Infrastructure:** Hard and Soft Infrastructure, types of infrastructure-Economic, Social, Critical, Urban, Green. Importance of Infrastructure- Economic growth and development, Present State of Infrastructure in India.

#### F. TEXT BOOKS

- R. Dutt & K.P. Sundaram, *Indian Economics*, S Chand & Co, New Delhi, 2011.
- S.K. Mishra & V.K. Puri, *Indian Economics*, Himalaya Publishing House, Mumbai, 2012.

#### G. REFERENCE BOOKS

- Uma Kapila, *Indian Economy: performance and Policies*, Academic Foundation, 16<sup>th</sup> Edition, 2014.
- A.C. Fernando, *Indian Economy*, Pearson, New Delhi, 2016.
- Tirthankar Roy, *The Economic History of India 1857-1947*, Oxford University press, 3<sup>rd</sup> Edition, 2011.

#### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction to the nature of Economic Development since Independence	To evaluate economic development	Lecture	1521.1	Ist Sessional Exam and End Semester Examination
2	Nature and Features of Indian Economy	To understand Indian Economy	Lecture and Discussion	1521.1	Ist Sessional Exam and End Semester Examination
3—5	Growth and Development under Policy Regimes	To analyse economic development during plan periods	Lecture and discussion	1521.1	Ist Sessional Exam and End Semester Examination
6-8	Institution & policy framework evaluation and transformation of Indian Economy	To analyse the effectiveness of planning exercise	Lecture and Discussion	1521.2 1521.5	Ist Sessional Exam and End Semester Examination
9	Concept of Population and Human Development	To understand dynamics of population and its development	Lecture	1521.2	Ist Sessional Exam and End Semester Examination
10-12	Theory of Demographic Transition, Demographic trends and recent population policy	To understand real mechanism of population growth and policy pertaining to it	Case Study, lecture and Discussion	1521.2	Ist Sessional Exam and End Semester Examination
13-14	Indian Economy and issues relating to planning- pre and post-Independence	To understand dynamics of planning in pre and post-Independence era	Lecture	1521.2	I <sup>st</sup> Sessional Exam and End Semester Examination

15-16	Planning: challenges, features and issues	To understand different perspective of planning	Discussion	1521.2	1 <sup>st</sup> Sessional Exam and End Semester Examination
17-18	Role, Nature and issues of Indian Agriculture	To understand agricultural sector in India	Lecture	1521.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
19-20	Agriculture policy in India	To understand Agricultural policies	Case Study and Discussion	1521.2 1521.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
21	Agriculture production and productivity trends	To understand the growth in agricultural production	Lecture and Case Study	1521.2 1521.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
22-23	Green revolution and its impacts	To understand green revolution and its impact on Indian Economy	Lecture and Discussion	1521.2 1521.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
24-25	Introduction to role and policies for Industrial sector	To understand industrial sector of India and policies pertaining to it	Lecture and Discussion	1521.2 1521.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
26-38	New Economic policies and industrial policy under LPG Regimes, MSME, SEZ and Industrial sickness	To impact of new economic policy and MSME, SEZ and causes of industrial sickness	Case Study, lecture and Discussion	1521.2 1521.5	End Semester Examination
41-48	Introduction to types of infrastructure, importance of infrastructure and present status of infrastructure in India	Precise and accurate learning relating to infrastructure and its role in economic development	Case Study and Discussion	1521.2 1521.5	End Semester Examination

### I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
EO 1521.1	Describe and address history of Indian Economy especially post-independence.			2				1	2		
EO 1521.2	Interpret and illustrate the population and human development in India and issues relating to planning.				1					2	1
EO 1521.3	Aware of role, policies and emerging issues concerning agriculture and industrial sector in India.		2						1		2

EO 1521.4	Recognize important role played by MSME and SEZs in economic development.			2				1		1	1	2
EO 1521.5	Recall need and role played by infrastructure development in economic development and present state of infrastructure in India.			1								1

**1. Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

International Economics| EO 1522 | 4 Credits | 3 1 0 4

A. **Introduction:** This course has been designed so that students can understand the basic trade models and the importance which International movement of goods, services and factors of production hold in the global economy and each individual economies of the world. All countries are involved in economic relationships with other countries and are increasingly getting involved into regional trade agreements. This course also explains the importance of international economic relationships in growth.

B. **Course Outcomes:** At the end of the course, students will be able to

[1522.1] Recognize the cause of trade, sources of the gains from trade and the domestic and international distribution of those gains

[1522.2] Examine various trade theories to understand the causes of international trade

[1522.3] Analyse instruments and consequences of trade policy measures—including tariffs and quantitative restrictions

[1522.4] Acquire the analytical methods needed and understanding of how and when to apply different models and approaches to events in the world economy

[1522.5] Develop critical thinking about the nature of global events shaping up international economic scenario all across the world

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these

values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Theory of International Trade:** Classical theory, comparative advantages, constant costs, complete specialization, neo- classical trade, Opportunity cost, incomplete specialization. general equilibrium in two-country, two goods open economy model, gains from trade; **The Standard theory of International Trade:** Heckscher Ohlin model, factor price equalization theorem, Stolper - Samuelson theorem, Leontief paradox, factor intensity reversals; **Terms of trade:** Growth and terms of trade effects, Rybczynski theorem, Immiserizing growth, growth and factor mobility – immigration and capital mobility; **Offer curves;** **International Trade policy:** trade policy and theory of trade interventions; **Trade Restrictions:** Tariff, general equilibrium effects of tariffs on welfare, offer curves and tariffs; **Non-tariff Trade Barriers:** Quotas, comparison of tariffs and quotas, export subsidies, effective rate of protection; **International Trade and Economic Integration;** Theory of customs union –trade creation and trade diversion, stages of integration, regional trade major group; **Foreign Exchange Market:** Determination of foreign exchange rate.

#### F. TEXT BOOKS

- Dominick Salvatore (2016), International Economics, John Wiley & Sons Inc, New Delhi, latest edition.
- Mithani D.M, (2010), International Economics, Himalaya Publishing House, New Delhi, latest edition.
- Dwivedi D.N, (2013), International Economics: Theory and Policy, Vikas Publishing, New Delhi, latest edition.

#### G. REFERENCE BOOKS

- Pugel, T.A, *International Economics*, 13th Edition, Tata McGraw Hill publishing Co, 2008
- P.B. Kenan, *The International Economy*, Cambridge University Press, London, 1994
- Krugman, P.A. and M Obstfeld, *International Economics: Theory and Policy*, 6<sup>th</sup> Edition, 2003
- James Gerber, *International Economics (International Edition)* Pearson Education 2011

#### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Importance of the study of international economics	To understand basics of international economics	Lecture	1522.1	1st Sessional Exam and End Semester Examination
2	Importance of the study of international economics	To understand importance of international economics	Lecture and Discussion	1522.1	1st Sessional Exam and End Semester Examination
3	Trade theory: Trade as an engine of economic growth	To understand the different theory of trade	Lecture	1522.1	1st Sessional Exam and End Semester Examination
4,5,6	Theory of International Trade: Classical theory: Theories of absolute advantage	To analyse the Classical theory	Lecture and Discussion	1522.2 1522.5	1st Sessional Exam and End Semester Examination
7,8,9	Classical theory : Comparative advantage and opportunity cost	To analyse the Classical theory	Lecture	1522.2	1st Sessional Exam and End Semester Examination
10,11,12	Constant costs, complete specialization,	To analyse the Classical theory	Lecture and Discussion	1522.2	1st Sessional Exam and End Semester Examination
13,14,15	Neo- classical trade theory	To analyse the Neo Classical theory	Lecture and Discussion	1522.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
16,17	Incomplete specialization, Offer curves	To analyse the Neo Classical theory	Lecture and Discussion	1522.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
18,19,20	General equilibrium in two-country, two goods open economy model	To analyse the Neo Classical theory	Lecture and Discussion	1522.2	2 <sup>nd</sup> Sessional Exam and End Semester Examination
21,22,23,24	The Standard theory of International Trade: Heckscher - Ohlin theory of trade - its main	To understand H-O Model	Lecture and Discussion	1522.2 1522.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination

	features, assumptions and limitations				
21,22, 23,24,25	Factor price equalization theorem, Stolper - Samuelson theorem, Leontief paradox, factor intensity reversals	To understand application of H-O Model	Lecture and Case Study	1522.2 1522.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
26,27	Gains from trade - Their Measurement and Distribution	To understand application of H-O Model	Lecture and Discussion	1522.2 1522.5	2 <sup>nd</sup> Sessional Exam and End Semester Examination
28	Review class	Understanding the concept	Lecture and Discussion	1522.2 1522.5	End Semester Examination
29	Terms of trade: Growth and terms of trade effects,	To understand Terms of trade	Lecture and Discussion	1522.2 1522.5	End Semester Examination
30,31,32	Rybczynski theorem, Immiserizing growth, growth and factor mobility – immigration and capital mobility	To understand development of H-O Model	Lecture and Discussion	1522.2 1522.5	End Semester Examination
33	Trade Restrictions: Tariff	To understand Tariff	Lecture and Discussion	1522.3 1522.5	End Semester Examination
34,35,36	General equilibrium: Effects of tariffs on welfare, offer curves and tariffs	To understand effects of Tariff	Lecture and Discussion	1522.3 1522.5	End Semester Examination
37, 38,39	Non-tariff Trade Barriers: Quotas, comparison of tariffs and quotas, export subsidies, effective rate of protection	To understand effects of Non- Tariff barriers	Lecture and Discussion	1522.3 1522.5	End Semester Examination
40	International Trade and Economic Integration:	Discussion of Economic Integration	Lecture and Discussion	1522.4 1522.5	End Semester Examination

41,42,43	Theory of customs union – trade creation and trade diversion	Discussion of trade creation and trade diversion	Lecture and Discussion	1522.4 1522.5	End Semester Examination
43,44,45,46	Stages of integration, regional trade major group	Discussion of regional trade major group	Lecture and Discussion	1522.4 1522.5	End Semester Examination
47,48,49	Foreign Exchange Market: Determination of foreign exchange rate.	Discussion of determination of foreign exchange rate	Lecture and Discussion	1522.4 1522.5	End Semester Examination
50	Review class	Review	Discussion	1522.4 1522.5	End Semester Examination
51,52	Internal assessment and presentation	Internal assessment	Discussion	1522.5	End Semester Examination

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
EO 1522.1	Recognize the cause of trade, sources of the gains from trade and the domestic and international distribution of those gains	2		1				1			
EO 1522.2	Examine various trade theories to understand the causes of international trade	1			1	1					
EO 1522.3	Analyse instruments and consequences of trade policy measures—including tariffs and quantitative restrictions	2	1								
EO 1522.4	Acquire the analytical methods needed and understanding of how and when to apply different models and approaches to events in the world economy					1		1			

EO 1522.5	Develop critical thinking about the nature of global events shaping up international economic scenario all across the world	I		I									
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**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**Health Economics | EO 1553 | 4 Credits | 3 | 0 4**

**A. Introduction:** This course is offered by Dept. of Economics, to give the students an in-depth awareness of health and education issues in India. This course provides a microeconomic framework to analyze, among other things, individual choice in the demand for health and education, government intervention and emerging possibilities in both sectors.

**B. Course Outcomes:** At the end of the course, students will be able to

[1553.1] Illustrate how microeconomic theory can be used to understand the operation of health care markets

[1553.2] Explain economic factors that influence health care decisions.

[1553.3] Relate structural, process and outcome quality to lifestyle and life expectancy.

[1553.4] Demonstrate an understanding of global factors affecting the health care industry

## **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.



**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E SYLLABUS

**Introduction:** Key concepts of Health Economics, Positive versus normative Analysis, Why Good Health – Utility analysis, Determinants of health among children, elderly, non-elderly; **Demand for Health Capital:** Grossman model of demand for health; Cost and Evaluation Methods: Cost – benefit analysis; discounting; value of life; cost effectiveness analysis; Different types of Health Care System;

**Demand for Medical Care:** Demand for medical care & law of demand, utility maximizing rule, other economic factors; relationship between medical care and demand for health insurance, the moral hazard;

**Medical care production and costs :** short run & long run production and costs of a representative medical firm; Integrated delivery systems; Non economic factors of medical care; Role of Government; Economic reasons for Govt. Interventions; **Performance and Market analysis in Health Care System :** Structure, Conduct, Perfectly competitive, monopoly, Monopolistic competition and oligopoly models of market demand & Supply in health sector.

#### F. TEXT BOOKS

- Folland, S., A.C. Goodman and M. Stano, *Economics of Health and Health Care*, fifth edition, Pearson Prentice Hall, 2006
- Dominic J. Brewer, Patrick J. McEwan, *Economics of Education*, Elsevier; 1<sup>st</sup> Edition, 2010

#### G. REFERENCE BOOKS

- Culyer, A. J. and J.P. Newhouse (eds.), *Handbook of Health Economics*, Volumes IA & B, North-Holland, 2000
- Education to Employment: Designing a System That Works*, McKinsey Report, 2013
- Great Jobs, Great Lives*, The Gallup – Purdue Index Report, 2014

**H. Lecture Plan:**

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction to Health care	To understand basic concept of Health Economics	Lecture	1553.1	Ist Sessional Exam and End Semester Examination
3	Investing in education and health for economic development	Introduction of health and economic development	Lecture and Discussion	1553.1	Ist Sessional Exam and End Semester Examination
4--5	Public-private partnership and the role of state	To understand the public private partnership	Lecture	1553.1	Ist Sessional Exam and End Semester Examination
6	Relationship between education, health	To understand the relationship	Lecture	1553.2	Ist Sessional Exam and End Semester Examination
7-9	An Overview of Health Sector in India	Introduction	Lecture and Discussion	1553.2	Ist Sessional Exam and End Semester Examination
10-13	Health care: international comparisons	To understand International comparison	lecture and Discussion	1553.2	Ist Sessional Exam and End Semester Examination
14-16	Welfare economics of medical care	To understand the welfare economics in terms of health care	Case Study, Discussion and Lecture	1553.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
17-19	Grossman model	To understand grossman model	Lecture and Discussion	1553.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
20-21	Cost and Evaluation Methods	To understand cost and evaluation model	Lecture and Discussion	1553.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
22-24	Demand for medical care & law of demand, utility maximizing rule	To understand demand for health care	Discussion, Lecture and Case Study	1553.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
25-27	The moral hazard	To understand the concept of moral hazard	Lecture and Discussion	1553.4	End Semester Examination
28-32	short run & long run production and costs of a representative medical firm	To understand the production and cost of medical firm	Lecture and Case Discussion	1553.4	End Semester Examination
33-36	Non-economic factors of medical care; Role of Government	To understand the role of Government	Lecture and Discussion	1553.4	End Semester Examination

37-40	Economic reasons for Govt. Interventions	To understand the role of Government	Discussion and Assignment	1553.4	End Semester Examination
41-48	Structure, Conduct, Perfectly competitive, monopoly, Monopolistic competition	To Understand the health care market system	Lecture and Assignment	1553.4	End Semester Examination
49-50	Oligopoly models of market demand & Supply in health sector.	To Understand the health care market system	Lecture and Discussion	1553.4	End Semester Examination

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES												CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
EO 1553.1	Describe the basic principles of economic analysis.	1		2		1								2	2	1
EO 1553.2	Explain economic factors that influence health care decisions.	3	1		2									2	1	
EO 1553.3	Relate structural, process and outcome quality to lifestyle and life expectancy.			1										2	2	
EO 1553.4	Demonstrate an understanding of global factors affecting the health care industry	1		1										3		

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Rural Economics| EO 1554 | 4 Credits | 3 | 0 4

**A. Introduction:**

This course introduces the students to formal modelling of a macro-economy in terms of analytical tools. It discusses various possibilities emerging in an economy, and the role of policy in this context. It also introduces the students to various theoretical issues related to an open economy.

**B. Course Outcomes:** At the end of the course, students will be able

to [EO1554.1] Understanding the basics of rural economics.

[EO1554.2] Explain the relation between rural area and agriculture, as well as the rationale of integral and sustainable development of rural area

[EO1554.3] Present different theories of agricultural development, general, economic, agricultural, regional and rural.

[EO1554.4] Prepare the students for appropriate participation in preparing and implementation of the rural and agricultural programmes towards skill enhancement among rural youth.

[EO1554.5] Prepare the students for the appropriate economic analysis methods implementation so as to create employability in rural areas.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets

and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Introduction** : meaning and features of rural economy, rural vs urban economy, Rural Development in India pre-independence, Post-Independence, Changing Contribution of Rural Areas in Indian Economy; **Importance of Agriculture in Development.** Agricultural growth in India; Production function, Farm budgeting, Technical changes: Green revolution.

Rural marketing: Traditional marketing, regulated markets, co-operative marketing and contract farming. Agricultural prices: Price behaviour; cobweb cycle; public distribution system; terms of trade, agriculture price policy. **Demographic and Economic Trends in Rural Area** : Population Growth- Changes in rural population, Employment Growth : Structural and Sector-wise changes in Output and Employment in Rural India, Changes in Rural Employment; **Trends in different sectors** : Contribution of rural population in Primary, secondary and tertiary sector, Disparity in Worker Productivity in different sectors, trends, Measures and Strategies for Equitable Growth in Rural Areas; **Rural Industrialisation:** Concept and scope, Government policy, KVIC, Mini-industrial estates. Industrial cooperatives. TRYSEM. **Economic and social infrastructure:** Transport & Communications, power, education, drinking water, health, Sanitation and rural housing, social forestry and environment. **Rural poverty** : Poverty in Indian Scenario, Concept of poverty, the biological or subsistence approach, the inequality approach, relative and absolute approach, definition and criteria of poverty; Strategies of rural development in plans, Poverty alleviation programmes. **Capital formation in rural sector:** Savings and assets formation, credit-institutional and non-institutional special role of NABARD and RRBS. Commercial and regional rural banks, NABARD; **Rural economic Development:** opportunities and challenges, Public policy initiatives towards rural economy, Importance of Agriculture in Development.

#### F. TEXT BOOKS

- Narang Ashok. (2006). *"Indian Rural Problems"*. Murari Lal and Sons Publications.
- Kartar Singh & Anil Shishodia (2016). *"Rural Development- Principles, Policies and Management"* Sage Publications

#### G. REFERENCE BOOKS

- C M Chaudhary. (2008). *"India's Economic Policies"*. Sublime Pub Publications, Jaipur.
- Meenu Agrawal. (2010). *"Regional Rural Banks and Upliftment of Rural Society"*. Deep & Deep publications Pvt. Ltd.
- Rangarajan, C, Seema and E M Vibeesh. (2013). *"Developments in the Workforce between 2009- 10 and 2011-12,"*. Economic & Political Weekly. Vol 49. No 23. pp 117-121.
- Thomas, J. J. (2012). *"India's Labour Market during the 2000s: Surveying the Changes,"*. Economic & Political Weekly. Vol 47. No 51. pp 39-51.

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2,3,4	<b>Introduction</b> : meaning and features of rural economy, rural vs urban economy,.	Will learn about nature of rural economy	Lecture	1554.1	Sessional I, End Sem
5,6,7,8	Rural Development in India pre-independence, Post-Independence, Changing Contribution of Rural Areas in Indian Economy;	Rural Economy and Growth	Lecture	1554.1	Sessional I, End Sem
9,10,11,12	Agricultural growth in India; Production function, Farm budgeting, Technical changes: Green revolution	<b>Importance of Agriculture in Development</b>	Lecture	1554.1	Sessional I, End Sem
13,14,15	Traditional marketing, regulated markets, co-operative marketing and contract farming..	Rural marketing	PPT presentation	1554.1	Sessional I, Case Study presentation, End Sem
16,17,18,19	cobweb cycle; public distribution system; terms of trade, agriculture price policy	Agricultural prices:Price behavior	PPT presentation	1554.2	Sessional I, Case Study presentation, End Sem
20,21,22,23	Population Growth- Changes in rural population	Demographic and Economic Trends in Rural Area	PPT presentation	1554.2	Sessional II, Case Study presentation, End Sem
24,25	Structural and Sector-wise changes in Output and Employment in Rural India, Changes in Rural Employment	Employment Growth	PPT presentation	1554.2	Sessional II, Case Study presentation, End Sem
26,27	Contribution of rural population in Primary, secondary and tertiary sector.	Trends in different sectors:	Case Study	1554.2	Sessional II, Case Study presentation, End Sem
28,29,30,31	Disparity in Worker Productivity in different sectors, trends, Measures and Strategies for Equitable Growth in Rural Areas;	Rural development and productivity	Lecture	1554.3	Sessional II, Case Study presentation, End Sem
32,33,34,35	Concept and scope, Government policy, KVIC, Mini-industrial estates. Industrial cooperatives. TRYSEM	Rural Industrialisation	Case Study	1554.3	Sessional II, Case Study presentation, End Sem
36,37,38,39	Transport & Communications, power, education, drinking water, health, Sanitation and	Economic and social infrastructure	Lecture	1554.4	Sessional II, End Sem,

	rural housing, social forestry and environment.				
40,41,42,43	Poverty in Indian Scenario, Concept of poverty, the biological or subsistence approach, the inequality approach, relative and absolute approach, definition and criteria of poverty; Strategies of rural development in plans, Poverty alleviation programmes	Rural poverty	Lecture	1554.4	Sessional II, End Sem,
44,45,46,47	Savings and assets formation, credit–institutional and non–institutional special role of NABARD and RRBS.Commercial and regional rural banks, NABARD.	Capital formation in rural sector:	Lecture	1554.4	Sessional II, End Sem
48,49,50,51	Opportunities and challenges, Public policy initiatives towards rural economy, Importance of Agriculture in Development.	Rural economic Development:	PPT presentation	1554.5	End Sem, Case Study presentation

#### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM SPECIFIC OUTCOMES									
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
EO 1554.1	Understanding the basics of rural economics.	I		I					2	I	
EO 1554.2	Explain the relation between rural area and agriculture, as well as the rationale of integral and sustainable development of rural area	I		I			I		2	3	I
EO 1554.3	Present different theories of agricultural development, general, economic, agricultural, regional and rural.	I							2	2	
EO 1554.4	Prepare the students for appropriate participation in preparing and implementation of the rural and agricultural programmes towards skill enhancement among rural youth.	I		2			2		2	I	3
EO 1554.5	Prepare the students for the appropriate economic analysis methods implementation so as to create	I						I	2	I	I

	employability in rural areas.											
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1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

## MANIPAL UNIVERSITY JAIPUR

### School of Humanities and Social Sciences

#### DEPARTMENT OF ECONOMICS

#### Course Hand-out



### INDIAN ENGLISH POETRY| EN 1507 | 4 Credits | 3 | 0 | 4

- A. **Introduction:** This course is offered by Department of Languages as a core course to the students of BA English Hons, in V Semester. The course offers an in depth knowledge of Indian English Poetry as an important branch of English studies. It covers basic concepts such as various periods of Indian English Poetry, themes, and the writing styles of major writers. Students are expected to gain the knowledge of literary forms and contents of poetry.

- B. **Course Outcomes:** At the end of the course, students will be able to:

[I507.1] Understand the origin of Indian English Poetry and its various periods of Indian English Poetry from 1857 to 1950 and after that.

[I507.2] Acquire knowledge of the historical perspectives of Indian English

Poetry [I507.3] Analyze the major writers and the writing styles of Indian

English Poetry [I507.4] Know the themes of Indian English Poetry

[I507.5] Trace the Indianness and experimentation of Indian English Poetry to refine analytical skills.

- C. **PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment



using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Introduction to Indian poetry in English, various traditions & major poets, Kabir's "It is Needless to Ask a Saint the Caste to Which He Belongs", R. N. Tagore's "Where The Mind is Without Fear", A K Ramanujan's "Self Portrait" & "Of Mother Among Other Things", T. Dutt's "The Lotus", S. Naidu's "Song of Radha, the Milkmaid", Aurobindo's "The Pilgrim of the Night", Nissim Ezekiel's "The Hill", "Enterprise" & "Poet, Lover, Birdwatcher", Kamala Das' "My Grand Mother's House" & "A Hot Noon in Malabar", Arun Kolatkar's "An Old Woman", "The Bus and The Butterfly", Shiv K Kumar's "Indian Women" & "Pilgrimage" and Imitaz Dharkar's "Purdah".**

#### F. TEXT BOOKS/ Reference Books

- B. King. *Modern Indian Poetry in English*. New Delhi: Oxford UP, 2005.
- J. Jain. *Beyond Postcolonialism: Dreams And Realities of A Nation*. Jaipur: Rawat Publishers, 2006.
- M. Boulton. *The Anatomy of Poetry* New Delhi: Kalyani Publishers, 2010.
- M. K. Naik. (ed.). *Perspectives on Indian Poetry in English*. New Delhi: Abhinav Publications, 1984.
- R. Parthasarthy. (ed.) *Ten Twentieth Century Indian Poets*. Oxford: Oxford UP, 1976.

#### Lecture Plan:

Lec. No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing.	To acquaint and clear teacher's expectations and understand students' expectations	Lecture & Discussion	NA	NA
2	Introduction to Indian poetry in English	To familiarise the Meaning	Lecture & Discussion	ENI1507.1	I Sessional, Assignment-I, End Sessional
3	Various Traditions in Indian English Poetry	To Know about the different era in Indian Poetry	Lecture & Discussion	ENI1507.1, ENI1507.2	I Sessional, Assignment-I, End Sessional
4	Various periods of Indian English Poetry from 1857 to 1950	To Know about the different era in Indian Poetry in specific era	Lecture & Discussion	ENI1507.1, ENI1507.2	I Sessional, Assignment-I, End Sessional
5	Major poets of Indian English Poetry	To know about writing styles	Lecture & Discussion	ENI1507.3	I Sessional, Assignment-I, End Sessional
6-7	<b>Kabir's</b> "It is Needless to Ask a Saint the Caste to Which He Belongs"	To analyse the writing style and Theme	Lecture & Discussion	ENI1507.2, ENI1507.4	I Sessional, Assignment-I, End Sessional
7-8	Critical Appreciation of <i>It is Needless to Ask a Saint the Caste to Which He Belongs</i>	To analyse the writing style and Theme	Lecture & Discussion	ENI507.4, ENI507.5	I Sessional, Assignment-I, End Sessional
8-9	<b>R. N. Tagore's</b> "Where The Mind is Without Fear"	Reference to Context of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	II Sessional, End Sessional
10-11	<b>A K Ramanujan's</b> "Self Portrait"	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	II Sessional, End Sessional
12-13	<b>A K Ramanujan's</b> "Of Mother Among Other Things",	Trace the Indianness	Lecture & Discussion	ENI507.4, ENI1507.5	II Sessional, End Sessional
17	<b>A K Ramanujan</b>	To know the themes and his writing style	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	II Sessional, End Sessional
18	<b>About T. Dutt</b>	To familiarize about the Author	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
21-22	<b>T. Dutt's</b> The Lotus	To know Indianness and use of symbols through Explanation	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	II Sessional, End Sessional
23-24	<b>S. Naidu's</b> "Song of Radha, the Milkmaid"	To know Indianness and use of symbols through Explanation	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
25	Sarojini Naidu and her Writing style	To know the themes	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
26-27	<b>Aurobindo's</b> "The Pilgrim of the Night",	To know the themes and his writing style	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
28	<b>Aurobindo as a poet</b>	To know the themes	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional

<b>29</b>	<b>About Nissim Ezekiel</b>	To know about the poet and his themes	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>30-31</b>	<b>Nissim Ezekiel's "Enterprise"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>32-33</b>	<b>Nissim Ezekiel's "Poet, Lover, Birdwatcher",</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>34</b>	<b>About Kamala Das</b>	To know her themes and writings	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>34-35</b>	<b>Kamala Das' "My Grand Mother's House"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>36-37</b>	<b>Kamala Das' "A Hot Noon in Malabar"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>38-39</b>	<b>Arun Kolatkar's "An Old Woman"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>40</b>	<b>Arun Kolatkar and his themes</b>	To know about the author	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>41-42</b>	<b>Arun Kolatkar's "The Bus and The Butterfly"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>43-44</b>	<b>Shiv K Kumar's "Indian Women"</b>	Reference to Context and theme of the poem and Indianness	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>45</b>	<b>Shiv K Kumar's "Pilgrimage"</b>	Reference to Context and theme of the poem	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>46-50</b>	<b>Imitaz Dharkar's "Purdah".</b>	Reference to Context and theme of the poem and Indianness and other themes	Lecture & Discussion	ENI507.3, ENI507.4, ENI507.5	End Sessional
<b>50</b>	<b>Revision</b>		Discussion	NA	
<b>51-52</b>	<b>Revision and Discussion</b>		Participation of students and Discussion	NA	

## G. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
EN 1507.1	Understand the origin of Indian English Poetry and its various periods of Indian English Poetry from 1857 to 1950 and after that.		2					1					
EN 1507.2	Acquire knowledge of the historical perspectives of Indian English Poetry							2					
EN 1507.3	Analyze the major writers and the writing styles of Indian English Poetry							1					
EN 1507.4	Know the themes of Indian English Poetry							2					
EN 1507.5	Trace the Indianness and experimentation of Indian English Poetry.							1					

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

## MANIPAL UNIVERSITY JAIPUR

### School of Humanities and Social Sciences

#### DEPARTMENT OF ECONOMICS

#### Course Hand-out

### INDIAN ENGLISH DRAMA | EN 1508 | 4 Credits | 3 | 0 | 4



**A. Introduction:** This course is offered by Department of Languages as a core course to the students of BA English Hons, in V Semester. The course offers in depth knowledge of Indian writing in English Drama. It covers study of Drama from various periods and by various writers. The student is expected to have read writings by prominent Indian dramatists in earlier semesters to be able to rise to the next level of understanding.

**B. Course Outcomes:** At the end of the course, students will be able to-

**[1508.1] Display a working knowledge of historic, socio-political, and dramatic trends in Indian English plays by the most important playwrights from differing time periods**

**[1508.2] Identify and describe distinct literary forms in works of dramatic literature**

**[1508.3] Analyze plays for their structure and meaning, using correct terminology**

**[1508.4] Effectively communicate ideas related to the dramatic works during class and group activities**

**[1508.5] Write analytically about dramatic literature to enhance employability skills.**

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Student who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS**

**Introduction to Indian Drama in English and major playwrights, D. Bharti's *Andha Yug* Vijay Tendulkar's *Silence! The Court is in Session*, Girish Karnad's *Hayavadana*, Mahesh Dattani's *Tara*.**

**F. Recommended Readings:**

1. A Myles. *Contemporary Indian English Drama: An Overview*. New Delhi: Sarup Book Publishers, 2010.
2. M. Boulton. *The Anatomy of Drama*. New Delhi: Kalyani Publishers, 2010.
3. N. Tandon. (ed). *Perspective and Challenges in Indian English Drama*. New Delhi: Atlantic Publishers, 2006.
4. V. Dalmia. *Poetics, Plays and Performances: The Politics of Modern Indian Theatre*. New Delhi: Oxford UP, 2006.
5. Chakravarty and U. Talwar's ***Contemporary Indian Drama: Astride Two Traditions (Festschrift for Professor Santosh Gupta)*. Rawat Publications, Jaipur. 2005.**

**Lecture Plan:**

Class Number	Topics	Session Outcome	Mode of Delivery	Corresponding Course Outcome	Mode of Assessing the Outcome
I	Introduction and Course Hand-out briefing  Reading and understanding Drama.	To acquaint and clear teachers expectations and understand student expectations	Lecture  Interaction	-	NA

2	Sharing favourite drama/movie.  Types of Drama and literary devices used	To ascertain the interest and recapitulate the understanding and the existing knowledge about drama	Interaction, Discussion & Question Answer Session	CO I	In Class Quiz ( Not Accounted)
3-5	Vijay Tendulkar's <b>Silence! The Court is in Session</b> -Classroom reading, role playing and discussions	To know about the socio-cultural conditions of the period. To know about the concepts of marriage, courtship, place of women, etc. in Indian society of 1960s. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A  Power Point	CO I & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
6-9	Vijay Tendulkar's <b>Silence! The Court is in Session</b> -Classroom reading, role playing and discussions	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Video excerpts of the drama.  Lecture  Discussion	CO 3, 4 and 5	
10-14	Vijay Tendulkar's <b>Silence! The Court is in Session</b> -Classroom reading, role playing and discussions	To discuss and write critically about the drama, situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise  Evaluation	CO 2 & 5	
<b>FIRST SESSIONAL EXAM 10<sup>th</sup> September, Monday -12<sup>th</sup> September, Wednesday 2018</b>					
15-17	D. Bharti's <b>Andha Yug</b> -Classroom reading, role playing and discussions	To know about the political conditions of the period of Mahabharata. To know about the intricacies and social implications of the epic Mahabharata in Indian society. To know about the major works of the dramatist and the main contemporaries.	Lecture  Q & A	CO I & 2	2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
		To know about the background/incident/reason/mood that lead to the writing/creation of the drama.			
18-21	D. Bharti's <b>Andha Yug</b> -Classroom reading, role playing and discussions	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 2, 3 & 4	

22-27	D. Bharti's <b>Andha Yug</b> - Classroom reading, role playing and discussions	To discuss and write critically about the drama, historical-mythological situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society, as well as at the time of Indian independence/partition. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise Recording of the play Evaluation	CO 4 & 5	
28-30	Girish Karnad's <b>Hayavadana</b> - Classroom reading, role playing and discussions	To know about the role of mythology in day to life. To know about the intricacies and social implications of a mythology. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A  Power Point	CO 1 & 2	2 <sup>nd</sup> Sessional
31-34	Girish Karnad's <b>Hayavadana</b> - Classroom reading, role playing and discussions	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 3 & 4	ET Exam  Home Assignment
35-38	Girish Karnad's <b>Hayavadana</b> - Classroom reading, role playing and discussions	To discuss and write critically about the drama, historical-mythological situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society, as well as at the time of Indian independence/partition. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise  Evaluation	CO 3, 4, & 5	
<b>SECOND SESSIONAL EXAM 25<sup>th</sup> October, Thursday -27<sup>th</sup> October, Saturday 2018</b>					
39-41	Mahesh Dattani's <b>Tara</b> - Classroom reading, role playing and discussions	To know about the socio-cultural-political conditions of the period. To know about the major works of the dramatist and the main contemporaries.	Lecture  Q & A	CO 1 & 2	



		the drama.		Home
42-46	Mahesh Dattani's <i>Tara</i> - Classroom reading, role playing and discussions	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 3 & 4  Assignment
47-50	Mahesh Dattani's <i>Tara</i> - Classroom reading, role playing and discussions	To discuss and write critically about the drama, historical-mythological situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society, as well as at the time of Indian independence/partition. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise  Evaluation	CO 3, 4 & 5
51-52	Revision & Discussions	-	-	-
<b>END TERM EXAM 28<sup>th</sup> November, Wednesday - 12<sup>th</sup> December, Wednesday 2018</b>				

**G. Course Articulation Matrix: (Mapping of COs with POs)**

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
EN 1508.1	Display a working knowledge of historic, socio-political, and dramatic trends in Indian English plays by the most important playwrights from differing time periods				1			2					
EN 1508.2	Identify and describe distinct literary forms in works of dramatic literature			2			2	1					
EN 1508.3	Analyze plays for their structure and meaning, using correct terminology							1					
EN 1508.4	Effectively communicate ideas related to the dramatic works during class and group activities							2					
EN 1508.5	Write analytically about dramatic literature to enhance employability skills.							1					

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**Environmental Psychology | PSI507 | 3 Credits 2103**

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary course, targeting students who wants to gain knowledge how environment affects an individual psychology. Offers in depth knowledge of history of environmental psychology, characteristics of environmental psychology, role of ecological model in day to day life, personal space, crowding. Students are expected to have background knowledge of factor affecting the environment. Students will be capable of giving proper solution to different environmental problems.

**B. Course Objectives:** At the end of the course, students will be able to

**[PSI507.1].** Define the environmental psychology & its characteristics.

**[PSI507.2].** Understand various theoretical perspective of environmental psychology.

**[PSI507.3].** Discuss the various research methods used in environmental psychology.

**[PSI507.4].** Critically evaluate effect of natural disaster and technological disaster

**[PSI507.5].** Explain crowding and personal space and how it affects individual behavior.

**C. Program Outcomes and Program Specific Outcomes**

**[PO.1] Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

**[PO.2] Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

**[PO.3] Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

**[PO.4] Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

**[PO.5] Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

**[PO.6] Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

**[PO.7] Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In Class tests and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Close Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Environmental Psychology:** Nature and Characteristics; classification of environment. Indian perspective on human- environment relationship; **Theories of Environment-Behavior relationship & Methods of study:** Arousal, Environmental Load, Adaptation Level, and Ecological approach. Methods of environmental psychology: Data collection technique, self-report, observation; **Environmental Stressors:** Nature and Characteristics; Type of stressors, Natural disasters, technological catastrophe, noise, and air pollution; **Crowding & Personal Space:** Nature and characteristics, feature, effects of crowding on animals and human beings. Nature, Function and determinants of personal space. Consequences of personal space invasion; **Environmental Perception, Cognition and Attitudes:** Nature and characteristics of Environmental perception, Social and cultural influences, Environmental Cognition and cognitive mapping, Acquisition of Environmental Attitudes; **Environmental psychology and Environmental Protection:** Role of Environmental Education, Environmental Awareness, Pro-environmental Behaviour; **Applications of environmental psychology and solution of environmental problems.**

#### F. Textbooks:

1. Bell, P.A., Greene, T. C., Fisher, J.D., & Baum A. (2001) Environmental Psychology. (V Edition) Wadsworth Group/ Thomson Learning, Belmont CA, U.S.A.
2. Bonnes, Mirilia & Secchiaroli ,Gianfranco (1995). Environmental Psychology: A psychosocial Introduction. Sage Publications.

#### G. Reference Books

1. Stokols, D. & Altman, Irwin (1987). Handbook of Environmental Psychology (Vol. I & 2) New York: John Wiley & Sons.
2. Beattie ,G.(2010).Why Aren't We Saving the Planet? A Psychologist's Perspective. Routledge Academic.

## H. Lecture Plan:

Lec No.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	NA	NA
2	Meaning & definition environmental psychology	Define environmental psychology	Lecture	1507.1	Written test
3-4	History of environmental psychology	Explain the emergence of environmental psychology	Activity Think Pair & share	1507.1	Class test
5	Characteristics of environmental psychology	Discuss the characteristics of environmental psychology	Flipped Class	1507.1	Home Assignment
6-7	Classification of environment & Indian perspective on human environment relation	Explain the Indian perspective on human environment relation	Lecture	1507.1	Class test
8,9	Revision	Discuss environmental psychology and its characteristics	Flipped classroom	1507.1	Home assignment
10-11	Arousal theory	Define arousal theory	Lecture	1507.2	Written test
12	Environmental load theory	Critically evaluate the importance of environmental load in day to day life	Flipped classroom	1507.2	Home assignment
13-14	Research Method in environmental psychology	Discuss the implication of adaption and ecological approach	Lecture	1507.2	Class test
15,16	Data collection Methods	Define various research methods used in	Lecture	1507.3	Class test

		environmental psychology			
17-19	Ethical Consideration in environmental research	Recognize various methods of data collection	Lecture)	1507.3	Class test
20	Meaning and characteristics of environmental stressor	Classify the various sources of environmental stress	Flipped class room	1507.3	Home Assignment
21-22	Natural disaster	How does natural disaster affect an individual life	Lecture	1507.4	Class test
23-24	Technological catastrophe	Technological disaster affects are long-term. Explain	Lecture	1507.4	Class test
25-29	Noise and Air pollution & behaviour	Enumerate the various effect of noise and air pollution on individual behavior	Lecture	1507.4	Class test
30	Meaning and characteristics of Personal space	Discuss the importance of personal space in an individual life	Lecture	1507.5	Class test
31	Effects of crowding on human beings and animals	How less personal space affect an individual life	Think, pair and share	1507.5	Class test
32	Functions and determinants of personal space	What are the function of personal space	Lecture	1507.5	Class test
33-34	Consequences of personal space invasion	Enumerate the consequences of personal space invasion	Flipped classroom	1507.5	Home Assignments
35-36	Meaning and characteristics of environmental perception	What are the main characteristics of environmental perception	Lecture	1507.5	Class test
37	Meaning of Environmental cognition	Define environmental cognition	Lecture	1507.5	Class test
38	Methods of studying cognitive Map	Recall the various methods of studying cognitive map	Flipped classroom	1507.4, 1507.5	Home Assignments

39	Errors in cognitive maps	What are the different types of errors in cognitive map	Lecture	1507.4, 1507.5	Class test
40	Environmental psychology and saving environment	Explain the different methods of saving environment	Lecture	1507.3, 1507.5	Class test
41	Role of environmental education	Why environmental education is important	Lecture	1507.5	Class test
42	Pro environmental behaviour	Define pro-environmental behavior	Lecture	1507.2, 1507.4	Class test

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PS1507.1	Define the environmental psychology & its characteristics.	2					3	
PS1507.2	Understand various theoretical perspective of environmental psychology.	1					3	
PS1507.3	Discuss the various research methods used in environmental psychology.				3		2	2
PS1507.4	Critically evaluate effect of natural disaster and technological disaster				3	3		3
PS1507.5	.Explain crowding and personal space and how it affects individual behavior.							3

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Developmental Psychology| PS 1508| 3 Credits | 2103

**A. Course Objectives:** At the end of the course, students will be able to

- 1508.1** Students will be able to list various stages of development.
- 1508.2** Students will be able to describe age appropriate behaviour based on developmental stages.
- 1508.3** Students will be able to describe the principles of developmental psychology in various life situations.
- 1508.4** Students will be able to differentiate between various types of development.

**B. Program Outcomes and Program Specific Outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**C. Assessment Rubrics:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100

Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

## D. Syllabus

**Human Development:** Introduction, Meaning, Principles; Methods & Theories of Human Development;  
**Foundations of Development:** Biological & Environmental Factors of Development; Relation between Hereditary & Environment; **Prenatal & Infancy stage (0-2 yrs.):** Biological, Physical, Cognitive, Emotional & Social Development; **Childhood Stage (2-11 yrs) :** Physical, Cognitive , Emotional, moral & Social Development; **Adolescence Stage:** Biological, Physical, Cognitive, Emotional & Social Development; **Adulthood Stage (Early to Late Adulthood):** Physical, Cognitive, Emotional, moral & Social Development; **Old Age:** Characteristics and problems of old age.

## E. Text Books

1. Berk, L.E. (2009) .Development through the life span. V Edition. Pearson.
2. Elizabeth B. Hurlock (1981). Developmental Psychology- A life-span approach 5<sup>th</sup> edition, Tata McGraw Hill Publication.

## F. Lecture Plan:

Lec No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2	<b>Human Development</b>	Introduction and meaning of human development.	PowerPoint Presentations	NA	NA
3	<b>Human Development</b>	Principles of human development.	PowerPoint Presentations	1508.1	Written test, sessional Exam, end term
4,5	<b>Human Development</b>	Methods of studying human development.	PowerPoint Presentations	1508.1	Class test, sessional Exam, end term
6,7,8	<b>Human Development</b>	Theories of Human Development.	PowerPoint Presentations	1508.1	Home Assignment, sessional Exam, end term
9,10	<b>Foundations of development</b>	Biological foundations	PowerPoint Presentations	1508.1, 1508. 2	Class test, sessional Exam, end term
11	<b>Foundations of development</b>	Environmental foundations	Lecture and case illustrations	1508.2	Home Assignment, sessional



					Exam, end term
12	<b>Foundations of development</b>	Relationship between heredity and environment.	Lecture and case illustrations	1508.2	Written test, sessional Exam, end term
13	<b>Prenatal and infancy</b>	Biological	Lecture and case illustrations	1508.2	Home Assignment, sessional Exam, end term
14,15	<b>Prenatal and infancy</b>	Physical	Lecture and case illustrations	1508.2	Class test, sessional Exam, end term
16	<b>Prenatal and infancy</b>	Cognitive	Lecture and case illustrations	1508.3	Class test, sessional Exam, end term
17	<b>Prenatal and infancy</b>	Emotional	Lecture and case illustrations	1508.3	Class test, sessional Exam, end term
18	<b>Prenatal and infancy</b>	Social Development	Lecture and case illustrations	1508.3	Home Assignment, sessional Exam, end term
19	<b>Childhood</b>	Physical	Lecture and case illustrations	1508.4	Class test, sessional Exam, end term
20,21	<b>Childhood</b>	Cognitive	Lecture and case illustrations	1508.4	Class test, sessional Exam, end term
22	<b>Childhood</b>	Emotional	Lecture and case illustrations	1508.4	Class test, sessional Exam, end term
23	<b>Childhood</b>	Social Development	Lecture and case illustrations	1508.5	Class test, sessional Exam, end term
24	<b>Adolescence</b>	Biological	Lecture and case illustrations	1508.5	Class test, sessional Exam, end term
25	<b>Adolescence</b>	Physical	Lecture	1508.5	Class test, sessional Exam, end term
26	<b>Adolescence</b>	Cognitive	Lecture and case illustrations	1508.5	Home Assignment, sessional Exam, end term

27	<b>Adolescence</b>	Emotional	Lecture	1508.5	Class test, sessional Exam, end term
28	<b>Adolescence</b>	Social Development	Lecture	1508.5	Class test, sessional Exam, end term
29	<b>Adulthood</b>	Physical	Powerpoint presentations	1508.5	Home Assignment, sessional Exam, end term
30	<b>Adulthood</b>	Cognitive	Lecture and case illustrations	1508.5	Class test, sessional Exam, end term
31	<b>Adulthood</b>	Emotional	Lecture	1508.5	Class test, sessional Exam, end term
32	<b>Adulthood</b>	Moral	Lecture and case illustrations	1508.5	Class test, sessional Exam, end term
33	<b>Adulthood</b>	Social Development	Lecture	1508.5	Class test, sessional Exam, end term
34,35	<b>Oldage</b>	Characteristics and theories	Lecture	all	Class test, sessional Exam, end term
36	<b>Oldage</b>	Problems	Lecture and case illustrations	all	Class test, sessional Exam, end term

#### G. Course Articulation Matrix: (Mapping of COs with POs)

	COS	PO 1	PO 2	PO 3	PO 4	PO 5	PO6	PO7	
<b>I508.1</b>	Students will be able to list various stages of development.	2						2	
<b>I508.2</b>	Students will be able to describe age appropriate behaviour based on developmental stages.						3		
<b>I508.3</b>	Students will be able to describe the principles of developmental psychology in various life situations.			3	2				
<b>I508.4</b>	Students will be able to differentiate between various types of development.					2	1		

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



# MANIPAL UNIVERSITY JAIPUR

School of Humanities and Social Sciences, Faculty of Arts and Law

Department of  
Philosophy Course  
Hand-out

Ethics| PH 1507 | 4 Credits | 3 | 0 4

A. **Introduction:** This course is designed to introduce Theories of Ethics as well as Thinkers who have been influential in the history of Moral Philosophy. This course covers both Indian and Western theories of ethics. Apart from the theoretical aspects of Ethics, this course also discusses its applied dimensions under the branch of Ethics called Applied Ethics. Applied Ethics deals with the practical dilemmas of ethical concerns in the professional, technical, and business environments, in addition to the socio-political scenarios of gender, environment, and caste. Appraising Moral Values and standards of Ethics in personal and professional life is a basic requirement of human life to be able to be a good human being and a good citizen. This course provides the conceptual foundation and philosophical grounding to engage, reflect, and deliberate on the ethical dilemmas that surround us in our practical, technical, social and professional lives so as to empower our ethical conscience, confidence and conviction.

B. **Course Outcomes:** At the end of the course, students will be able to

[1507.1]. Critically engage with the presuppositions and assumptions behind the moral arguments.

[1507.2]. Evaluate the pros and cons of moral choices that present themselves to them in the professional and personal contexts.

[1507.3]. Recognise moral concepts and theories from the Indian and Western traditions of thought.

[1507.4]. Apply moral standards to their professional and social responsibilities in a much informed manner, and develop employability skills.

## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of

Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	20
End Term Exam (Summative)	End Term Exam (Class Book)	40
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Ethics: Meaning, scope and relevance, "morals":** teleological vs deontological ethics - a brief review of Western ethical views from Ancient Thought to Today; Indian Ethical Systems - Ethics in (a) Hinduism (b) Jainism (c) Buddhism (d) Islam. **Moral Consciousness and Moral Language: Moral Judgement and Theories:** Nature, foundation and object of moral judgement, motive and intention, teleological and ontological theories, ethical realism and intuitionism, ethical cognitivism and non-cognitivism, Kant's moral theory, eudaemonism, theories of punishment, Indian schools of moral theory. **Morality and Life:** Good, right, justice, cardinal virtues, duty and obligation, freedom and responsibility, crime and punishment, utilitarianism, situation ethics, ethical pluralism. **Applied Ethics:** some issues in Bio-medical ethics, business ethics, environmental ethics, professional ethics, environmental ethics, and ethics of mass media; Ethical issues in Casteism, Gender equality, Technology, and Peace.

#### F. REFERENCE BOOKS

1. T. Harold, *Ethics for Today*, Van Nostrand Reinhold Company, 1976.
2. Mackenzie, *A Manual of Ethics*, Cosimo, Inc., 2005.
3. J. Piet and Ayodhya Prasad (eds.), *An Introduction to Applied Ethics*.
4. R. Prasad, *Karma, Causation and Retributive Morality*, Indian Council of Philosophical Research, Delhi, 1989.
5. P. Singer, *Practical Ethics*, Cambridge University Press, 1999.
6. R.N. Sharma, *Outlines of Ethics*.
7. W. Lillie, *An Introduction to Ethics*, Methuen, 1961.

#### G. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction: Fact/Value distinction	Explain teacher's expectations and understand student expectations. Basics of definition of Value statements.	Lecture	1507.1	In class Quiz Mid Term I End Term Exam
2,3	Overview of Indian and Western traditions of Ethics	Understand general orientations of value based theories in East and West.	Lecture	1507.3	In class Quiz Mid Term I
4, 5	Nature of Ethics & History of Ethics	Is ethics an art, or is ethics a science? Is historical understanding of ethics integral to the discipline of Ethics?	Lecture	1507.1	In Class Quiz, Home assignment Mid Term I
6,7,8, 9,10, 11,12	Theories of ethics in Indian traditions of Philosophy	To acquaint in detail of Ethical philosophies of Buddhism, Jainism, Carvaka, Yoga, Vedanta, Mimamsa, and Bhagavatgita.	Lecture; discussion	1507.3	Class Quiz Mid Term I End Term
13,14 ,15,1 6,17, 18	Western theories of ethics: Ancient Greek Ethics	Explain ancient Greek ethics and Virtue ethics. Major thinkers discussed are Socrates, Sophists, Stoics, Plato, and Aristotle.	Lecture; discussion ; presentation	1507.3	In Class Quiz Mid Term I End Term
19, 20	Medieval Ethics	Explain major moral tenets of Christianity, Islam and Judaism.	Lecture; discussion ; presentation	1507.3	Class Quiz, Home assignment Mid Term I End Term
21,2 2,23	Modern Ethics: Social contract theories	Explain the emergence of social contract theories; moral theories of Hobbes, Locke and Rousseau.	Lecture	1507.2	Class Quiz Mid Term I End term
24,2 5	Deontological ethics	Understand Enlightenment values. Explain law based ethical theory of Kant.	Lecture	1507.2	Class Quiz Mid Term II End Term
26, 27	Utilitarian ethics	Explain utilitarian ethics based on pleasure principle. Analyse the distinction between hedonism and pleasure principle. Explain theories of Bentham and Mill.	Lecture; discussion; presentation	1507.2	Class Quiz, Home assignment Mid Term II End Term
28,29	Evolutionary ethics	Explain ethics of Herbert Spencer in the light of the emergence of Darwin's theory of evolutionism.	Lecture; discussion	1507.2	Class Quiz Mid Term II End Term
30,31 ,32	Existentialist ethics	To understand the moral tenets of Existentialist philosophy through the works of Sartre, Kierkegaard, Nietzsche.	Lecture, discussion	1507.2	Class Quiz, Home assignment Mid Term II End Term
33, 34,35	Analytic ethics	Explain various theories of ethics that emerged with the linguistic turn and logical positivism.	Lecture	1507.2	Class Quiz Mid Term II End Term
36,37 ,38	Applied Ethics: Bioethics, Engineering ethics	To understand the nature of ethical dilemmas in the fields of genomics, bioengineering. Distinguish between traditional, modern and contemporary understanding of human nature.	Lecture; discussion ,case study	1507.4	Class Quiz; video; flipped class; Mid Term II End Term
39,40 ,41	Applied ethics: business ethics, corporate ethics, professional ethics	Explain the distinction between legal theories and moral theories. And further the challenges raised by professional ethical dilemmas	Lecture; discussion; case study	1507.4	Class Quiz; flipped class; video End Term
42,43 ,44	Environmental ethics, gender ethics, and Media ethics	Understand the various assumptions behind the relation between nature and human;	Lecture; discussion ; case	1507.4	Class Quiz, Home assignment; video; End Term

		communication and media; gender and the role-play.	study		
45,46,47	Contemporary Indian ethics	Explain contemporary debates in ethics based around caste, corruption, gender.	Lecture; discussion ; case study	1507.4	Class Quiz; Discussion; End Term
48,49,50	Conclusion	Recall contents and their importance through case studies.	Discussion	All	Class Quiz; flipped class; End Term

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							PSO 1	PSO 2	PSO 3
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7			
1507.1	Critically engage with the presuppositions and assumptions behind the moral arguments.					3	2				
1507.2	Evaluate the pros and cons of moral choices that present themselves to them in the professional and personal contexts.		1	2		2	3				
1507.3	Recognise moral concepts and theories from the Indian and Western traditions of thought.					3	1				
1507.4	Apply moral standards to their professional and social responsibilities in a much informed manner.				2	1	3				

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Comparative Religion | PHI508 | 4 Credits | 3104

**A- Introduction:** Religions are part and parcel of the lives of the majority of the world population

today, as it has been the case throughout human history. Religions take a major share of space and time on earth and in the lives and discourses of human beings. There are various religions across the world

which belong to different types under differing classifications. Thus, to understand the multilevel variety of religions is a very important philosophical task. An equally important task is to grasp the similarities between them. This course aims to throw light on to major religions, their types and modes of existence in a comparative fashion.

**B-Cor Outcomes (COs):** On the successful completion of the course the students will be able to  
**[PHI508.1].** Identify different religions and to get orientated with skills that facilitate a comparative approach to religion.

**[PHI508.2].** Gain introductory knowledge of the key concerns and world views of different religions.

**[PHI508.3].** Evaluate the significance and relevance of various religions.

**[PHI508.4].** To understand the co-existing nature of religions.

**[PHI508.5].** To recognize the possibility of inter-religious dialogue as mode of exchange between religions.

### **C-PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

**[PO.1] Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

**[PO.2] Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

**[PO.3] Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

**[PO.4] Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

**[PO.5] Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

**[PO.6] Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

**[PO.7] Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### **D-Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Open Book)	20
	Sessional Exam II (Open Book)	20
	In class Quizzes	20

End Term Exam (Summative)	End Term Exam (Open Book)	40
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E-SYLLABUS** Why Religion? Introducing World Religions: Tribal Religions with special reference to India, Main stream religions of Indian origin: Hinduism, Buddhism, Jainism and Sikhism. Religions of Eastern origin: Confucianism, Taoism, Shintoism, Religions of non-Eastern Origin: Zoroastrianism, Judaism, Christianity and Islam: God-world-Man relation in religions: A new Hermeneutic of reality. Possibility and need of Comparative religion, Commonality and differences among religions, the nature of inter-religious dialogues and understanding religious experiences, interreligious hermeneutics, religious pluralism, **Religion and Secular Society**: Dialogue of religions in a globalized world.

#### References:

1. A. C. Boquet, *Comparative Religion*, Penguin Books, 1973.
2. Lewis M. Hoppe, *Religions of the World*, Glencoe Press, London, 1976.
3. D. Brynt, *Religion in a New Key*, Wiley Eastern Ltd. Delhi, 1992.
4. S. Radhakrishnan, *Eastern Religions and Western Thought*, Oxford, 2007.
5. R. Panikkar, *The interreligious Dialogue* Asian Trading Corporation, Bangalore, 1984.
6. A. Savari Raj, *A New Hermeneutic of Reality*, Peter Lang AG, Bern, New York, 1998.
7. A. Savari Raj, "The Religion of Future in our Globalized World", *After Globalization: Essays in Religion. Culture and Identity*. Jyotirmaya Tripathy, Allied Publishers, New Delhi.

#### F. Lecture Plan:

DAY	TOPICS	PROGRAMME OBJECTIVES	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome



Day 1	Introduction to the Course	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion	Lecture, PPT, Discussion	PHI508.I	Quizzes, Sessional, End Term Examination
Day 2	Approaches to the Study of Religion	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion	Lecture, PPT, Discussion	PHI508.I	Quizzes, Sessional, End Term Examination
Day 3	Comparative Religion: Background and Introduction	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion	Lecture, PPT, Discussion	PHI508.I	Quizzes, Sessional, End Term Examination
Day 4	Comparative Religion: Methods and Significance	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion	Lecture, PPT, Discussion	PHI508.I	Quizzes, Sessional, End Term Examination
Day 5-6	Classifications of Religions	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion	Lecture, PPT, Discussion and problem solving	PHI508.I	Quizzes, Sessional, End Term Examination
Day 6	Religions of Indian Origin: An Overview	Gain introductory knowledge of the key concerns and world views of different religions.	Lecture, PPT,	PHI508.I	Quizzes, Sessional, End Term Examination

Day 7	Tribal Religions of India-I	Gain introductory knowledge of the key concerns and world views of different religions.	Lecture, PPT, Discussion	PHI 508.1	Quizzes, Sessional, End Term Examination
Day 8	Tribal Religions of India-II	Gain introductory knowledge of the key concerns and world views of different religions.	Lecture, PPT, Discussion,	PHI 508.1	Quizzes, Sessional, End Term Examination
Day 9	Hinduism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT,	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 10	Hinduism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 11	Hinduism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 12	Buddhism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 13	Buddhism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 14	Jainism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 15	Jainism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination

Day 16-18	Sikhism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 17	Sikhism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 18	Religions of Eastern Origin: An Overview	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 19	Confucianism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 20	Confucianism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 21	Taoism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 22	Taoism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 23	Shintoism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 24	Shintoism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, 2 Sessional, End Term Examination
Day 25	Religions of Western Origin: An overview	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 26	Zoroastrianism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination

Day 27	Zoroastrianism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 28	Judaism-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 29	Judaism-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End Term Examination
Day 30	Christianity-I	Evaluate the significance and	Lecture, PPT, Discussion	PHI 508.2	Quizzes, Sessional, End
		relevance of various religions.			Term Examination
Day 31	Christianity-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, End Term Examination
Day 32	Christianity-III	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, End Term Examination
Day 33	Islam-I	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, End Term Examination
Day 34	Islam-II	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, End Term Examination
Day 35	Islam-III	Evaluate the significance and relevance of various religions.	Lecture, PPT, Discussion	PHI 508.2	Quizzes, End Term Examination
Day 36	Comparative Religion: A Re-view	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 37	The need for Comparative Religion	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination

Day 38	The Possibility of Comparative Religion	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 39	God-world-Man relation in religions-I	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 40	God-world-Man relation in religions-II	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 41	Commonalities among Religions-I	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 42	Commonalities among Religions-II	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 43	Differences among Religions-I	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 44	Differences among Religions-II	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 45 46	Inter-religious Dialogue: An Introduction	To understand the co-existing nature of religions.	Lecture, PPT, Discussion	PHI 508.3	Quizzes, End Term Examination
Day 47	Secular Society and Religion	To recognize the possibility of inter-religious dialogue as mode of exchange between religions.	Lecture, PPT, Discussion	PHI 508.4	Quizzes, End Term Examination
Day 48	Globalization and Religion	To recognize the possibility of inter-religious dialogue as mode of exchange	Lecture, PPT, Discussion	PHI 508.4	Quizzes, End Term Examination

		between religions.			
Day 49	Conclusion	To recognize the possibility of inter-religious dialogue as mode of exchange between religions.	Lecture, PPT, Discussion	PHI508.5	Quizzes, End Term Examination

### G-Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							Program Specific Outcome		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
I508.1	Identify different religions and to get orientated with skills that facilitate a comparative approach to religion.	2	3	1							
I508.2	Gain introductory knowledge of the key concerns and world views of different religions.		1	1	1	1					
I508.3	Evaluate the significance and relevance of various religions.	1	1	2		1	1				
I508.4	To understand the co-existing nature of religions.	2	3	3	1	1	1				
I508.5	To recognize the possibility of inter-religious dialogue as mode of exchange between religions.	1	1	1	1						

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**

School of Humanities and Social Sciences

Department of Arts

Course Hand-out

Political Theory | PO 1507 | 4 Credits |3104

**A. Introduction:** Everything studied in political Science stems from an understanding of these theoretical concepts, termed as 'Political Theory.'

**B. The Course Outcomes (COs):** On completion of the course the students will be able to

[PO1507.1]. To understand the relevance of theory in academics

[PO1507.2]. To understand various concepts of Political Science

[PO1507.3]. To see the connection between the various concepts of political science

[PO1507.4]. To connect political theory with the world around us

[PO1507.5]. To render students professionally capable for administrative services, higher education or research in think tanks and organizations

### **C. PROGRAM OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS :**

**Introduction-** Meaning, Nature and Scope of Political Theory, Decline and resurgence. **Theories-** Liberalism & Neo-Liberalism, Marxism & Neo-Marxism, Socialism & Neo-Socialism, Post-Feminism, Post-Modernism **Major concepts in Political Theory-** Rights, Citizenship, Justice, Liberty, Law, Sovereignty, Power, Authority and Legitimacy: Different forms, Democracy: Procedural, Deliberative, Participatory and Representative

**References****Books:**

- 1- Ramaswamy, Sushila (2003) *Political Theory: Ideas and Concepts*, Macmillan : New Delhi.
- 2- Gauba O. P. (1981) *An Introduction to Political Theory*, Macmillan: New Delhi.
- 3- Kapoor A.C. (2005) *Principles of Political Science*, Sterling: New Delhi.
- 4- Agarwal, R.C. (2000) *Political Theory: Principles of Political Science*, S. Chand & Company Ltd: New Delhi.
- 5- Bhargava Rajeev and Asok Acharya (2008) *Political Theory: An Introduction*, Pearson Education : New Delhi.
- 6- Heywood, Andrew (2015), *Political Theory: An Introduction*, Palgrave Macmillan: London.
- 7- Varma, S. P. (1983) *Modern Political Theory*, Vikas: New Delhi.
- 8- Laski, H. J (1948) *A Grammar of Politics*, Allen and Unwin :London
- 9- Verma, S. L. ( 2008) *Advanced Modern Political Theory*, Rawat : New Delhi.
- 10- Johari, J. C. (2012) *Contemporary Political Theory: New Dimensions, Basic Concepts & Major Trends*, Sterling : New Delhi.

**F. Course Plan**



Lecture nos.	Topics	Session Objective	Mode of Delivery	Corresponding COs	Mode of Assessing the Outcome
1,2	Meaning of Political Theory	Meaning of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
1,2	Meaning of Political Theory	Meaning of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Meaning of Political Theory	Meaning of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Meaning of Political Theory	Meaning of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Nature of Political Theory	Nature of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4,5	Nature of Political Theory	Nature of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Nature of Political Theory	Nature of Political Theory	Lecture	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Nature of Political Theory	Nature of Political Theory	Presentation	I507.1	Quiz of previous class, Mid Term I, End Term Examinations
6,7,8	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
6,7,8	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
6,7,8	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
9,10	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
11,12	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
13,14	Scope of Political Theory	Scope of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
15-17	Decline of Political Theory	Decline of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
18-20	Decline of Political Theory	Decline of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
21-22	Decline of Political Theory	Decline of Political Theory	Lecture	I507.2 and I507.3	Student Recap of previous class, Mid Term Examination II
23-24	Resurgence of Political Theory	Resurgence of Political Theory	Lecture	I507.2 and I507.3	Student Recap of previous class, Mid Term Examination II
25-26	Resurgence of Political Theory	Resurgence of Political Theory	Lecture and case illustrations	I507.2 and I507.3	Quiz of previous class, Mid Term II, End Term Examinations
27-28	Resurgence of Political Theory	Resurgence of Political Theory	Lecture	I507.2 and I507.3	Quiz of previous class, End Term Examinations

29-30	Resurgence of Political Theory	Resurgence of Political Theory	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
30-31	Liberalism and Neo Liberalism	Liberalism and Neo Liberalism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
32-33	Liberalism and Neo Liberalism	Liberalism and Neo Liberalism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
34-35	Socialism and Neo Socialism	Socialism and Neo Socialism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
36-37	Socialism and Neo Socialism	Socialism and Neo Socialism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
38	Marxism and Neo Marxism	Marxism and Neo Marxism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
39	Marxism and Neo Marxism	Marxism and Neo Marxism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
40	Marxism and Neo Marxism	Marxism and Neo Marxism	presentations	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
41	Marxism and Neo Marxism	Marxism and Neo Marxism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
42	Post-Feminism, Post-Modernism	Post-Feminism, Post-Modernism	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
43	Rights	Rights	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
44	Rights	Rights	Presentation	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
45	Citizenship	Citizenship	Lecture	1507.2 and 1507.3	Quiz of previous class, End Term Examinations
46	Justice, Liberty, Law	Justice, Liberty, Law	Lecture	1507.2 and 1507.3	Quiz of previous class, Mid Term I, End Term Examinations
47	Sovereignty	Sovereignty	Lecture	1507.2 and 1507.3	Quiz of previous class, Mid Term I, End Term Examinations
48	Power, Authority and Legitimacy	Power, Authority and Legitimacy	Lecture	1507.4 & 1507.5	Quiz of previous class, Mid Term I, End Term Examinations
49	Power, Authority and Legitimacy	Power, Authority and Legitimacy	Lecture	1507.4 & 1507.5	Quiz of previous class, Mid Term I, End Term Examinations
50	Power, Authority and Legitimacy	Power, Authority and Legitimacy	Lecture	1507.4 & 1507.5	Quiz of previous class, Mid Term I, End Term Examinations
51	Different forms, Democracy: Procedural, Deliberative, Participatory and Representative	Different forms, Democracy: Procedural, Deliberative, Participatory and Representative	Lecture	1507.4 & 1507.5	Quiz of previous class, Mid Term I, End Term Examinations

52	Different forms, Democracy: Procedural, Deliberative, Participatory and Representative	Different forms, Democracy: Procedural, Deliberative, Participatory and Representative	Lecture	I507.4 & I507.5	Quiz of previous class, Mid Term I, End Term Examinations
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### Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
POI507.1	To understand the relevance of theory in academics	1			3			1
POI507.2	understand various concepts of Political Science	1					3	1
POI507.3	To see the connection between the various concepts of political science	2				3		
POI507.4	To connect political theory with the world around us	1						3
POI507.5	To render students professionally capable for administrative services, higher education or research in think tanks and organizations	1			1	1		3

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



### MANIPAL UNIVERSITY JAIPUR

School of Humanities and social science

Department of Arts

Course Hand-out

Public Administration: Theory and Practice| POI508| 4 Credits | 3104

### A. Introduction

Public administration is concerned with the implementation of governmental policy that serves the wide population, carrying political activity and decision into actions and developing public programmes for the well-being of the society and the citizens.

**B. Course Outcomes:** At the end of the course, the students will be able to-  
[I508.1] Students will be able to analyse, synthesize, think critically, solve problems, and make decisions.

[I508.2] Students will be able to lead and manage in public governance.

[I508.3] Students will articulate and apply a public service perspective.

[I508.4] Students will be able to communicate and interact productively with a diverse and changing workforce and citizenry.

[I508.5] To render students professionally capable for administrative services, higher education or research in think tanks and organisations.

### C. PROGRAM OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.
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## E. SYLLABUS

**Meaning, Scope and Nature of Public administration , Evolution** of Public Administration as a discipline – the concept of New Public Administration, **Public and Private Administration** : Globalisation, **Theories of Public Administration**: Classical, Modern, Human Relations, **Principles of Administration** : Hierarchy, Staff and Line Agencies, Coordination, Delegation of Authority, Decision making, Leadership and Communication, **F.W. Riggs** : Ecological Theory, Development theory and Public Choice theory, **Control** : Legislative and Judicial, **Personnel Administration** : Position classification, Recruitment, Training and Promotion, **Financial Administration** : Budget – meaning, formation and execution

## References :

1. Sharma, M.P., B.L. Sadana and Harpreet Kaur (2010) *Public Administration in Theory and Practice*, Kitab Mahal: Allahabad.
2. A. Avasthi and S.R. Maheshwari (2017) *Public Administration*, LNA Pubishers : Agra.
3. Barber, M.P. (1984) *Public Administration*, Institute of Purchasing and Supply: United Kingdom
4. White, L.D. (1955), *Introduction to the Study of Public Administration*, New York: Macmillan.
5. Riggs, Fred W. (1961), *The Ecology of Public Administration*, New York: Asia Publishing House
6. Singh, Hoshiar and Pardeep Singh Lamba (2012), *Public Administration: Theory and Practice*, Pearson: Delhi.
7. Maheshwari, S.R. (1991), *Theories and Concepts in Public Adminstation*, New Delhi: Allied Publishers.
8. Basu, D. D. (2004) *Introduction to the Constitution of India*, New Delhi: Prentice Hall
9. Pruthi, Raj Kumar (2005), *Theory of Public Aministration*, Delhi : Discovery Publishing House.
10. *Public Administration*, London.
11. *Indian Journal of Public Administration*, Indian Institute of Public Administration, New Delhi.

## F. Lecture Plan

Lec. No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	Introduction about the course	Introduction about the course	Lecture		Quiz of previous class, Mid Term I, End Term Examinations

2	Definition of Public Administration and reasons for studying it	Definition of Public Administration and reasons for studying it	Lecture	I508.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4	Meaning, nature and Scope and Significance of PA	Meaning, nature and Scope and Significance of PA	Lecture	I508.1	Quiz of previous class, Mid Term I, End Term Examinations
5,6	Evolution of the Discipline	Evolution of the Discipline	Presentations	I508.1	Quiz of previous class, Mid Term I, End Term Examinations
7,8	New Public administration	New Public administration	Lecture	I508.2	Quiz of previous class, Mid Term I, End Term Examinations
9	NPM Perspectives	NPM Perspectives	Lecture	I508.2	Quiz of previous class, Mid Term I, End Term Examinations
10	Definition of Public and Private Administration	Definition of Public and Private Administration	Lecture	I508.2	Quiz of previous class, Mid Term I, End Term Examinations
11	Globalization	Globalization	Presentation	I508.2	Quiz of previous class, Mid Term I, End Term Examinations
12	Theories of PA	Theories of PA	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
13	Classical Theory	Classical Theory	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
14	Scientific Management	Scientific Management	Lecture	I508.2	Quiz of previous class, Mid Term II, End

					Term Examinations
15,16	Bureaucratic Theory	Bureaucratic Theory	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
17	Ideas of Follett and Barnard	Ideas of Follett and Barnard	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
18	Human Relations School (Elton Mayo and others)	Human Relations School (Elton Mayo and others)	Presentation	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
19	Behavioural Approach	Behavioural Approach	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
20	Systems Approach	Systems Approach	Lecture	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
21	Principles of Administration	Principles of Administration	Lecture	I508.2	Student Recap of previous class, Mid Term Examination II
22	Hierarchy, Staff and Line Agencies	Hierarchy, Staff and Line Agencies	Lecture	I508.2	Student Recap of previous class, Mid Term Examination II
23	Coordination and Delegation of Authority	Coordination and Delegation of Authority	Lecture and case illustrations	I508.2	Quiz of previous class, Mid Term II, End Term Examinations
24	Decision-making	Decision-making	Lecture	I508.2	Quiz of previous class, End Term Examinations

25	Leadership and Communication	Leadership and Communication	Presentation	I508.2	Quiz of previous class, End Term Examinations
26	Comparative Models of Riggs	Comparative Models of Riggs	Lecture	I508.2	Quiz of previous class, End Term Examinations
27	Ecological Theory	Ecological Theory	Lecture	I508.2	Quiz of previous class, End Term Examinations
28	Structural Functional and Idea Models	Structural Functional and Idea Models	Lecture	I508.2	Quiz of previous class, End Term Examinations
29	<b>Development Theory</b>	<b>Development Theory</b>	Lecture	I508.2	Quiz of previous class, End Term Examinations
30	Development Administration of Riggs and its Characteristics	Development Administration of Riggs and its Characteristics	Lecture	I508.2	Quiz of previous class, End Term Examinations
31	Control over PA	Control over PA	Lecture	I508.2	Quiz of previous class, End Term Examinations
32	Legislative Control	Legislative Control	presentations	I406.2	Quiz of previous class, End Term Examinations
33	Legislative Control	Legislative Control	Lecture	I508.3	Quiz of previous class, End Term Examinations
34	Judicial Control	Judicial Control	Lecture	I508.3	Quiz of previous class, End Term Examinations
35	Judicial Control	Judicial Control	Lecture	I508.3	Quiz of previous class, End Term Examinations
36	Personnel Administration	Personnel Administration	Presentation	I508.3	Quiz of previous



					class, End Term Examinations
37	Role of Civil Services in Developing Society	Role of Civil Services in Developing Society	Lecture	I508.3	Quiz of previous class, End Term Examinations
38	Position Classification	Position Classification	Lecture	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
39	Position Classification	Position Classification	Lecture	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
40	Recruitment	Recruitment	Lecture	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
41	Training	Training	Lecture	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
42	Promotion	Promotion	Lecture	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
43	Pay and Service Conditions	Pay and Service Conditions	Presentation	I508.3	Quiz of previous class, Mid Term I, End Term Examinations
44	Relations with the Political Executive	Relations with the Political Executive	Lecture	I508.4 and I508.5	Quiz of previous class, Mid Term I, End Term Examinations
45	Financial Administration	Financial Administration	Lecture	I508.4 and I508.5	Quiz of previous class, Mid Term I, End Term Examinations

46	Budget: Concept and Forms	Budget: Concept and Forms	Lecture	I508.4 I508.5	and	Quiz of previous class, Mid Term II, End Term Examinations
47	Formulation of Budget	Formulation of Budget	Presentation	I508.4 I508.5	and	Quiz of previous class, Mid Term II, End Term Examinations
48	Enactment of Budget	Enactment of Budget	Presentation	I508.4		Quiz of previous class, Mid Term II, End Term Examinations
49	Execution of Budget	Execution of Budget	Lecture	I508.4		Quiz of previous class, Mid Term II, End Term Examinations
50	Deficit Financing	Deficit Financing	Lecture	I508.4		Quiz of previous class, Mid Term II, End Term Examinations
51	Public Debt	Public Debt	Lecture	I508.4		Quiz of previous class, Mid Term II, End Term Examinations
52	Account and Audit	Account and Audit	Lecture	I508.4		Quiz of previous class, Mid Term II, End Term Examinations

## G. COURSE ARTICULATION MATRIX

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO2	PSO3	PSO4
PO1508.1	Students will be able to analyse, synthesize, think critically, solve problems, and make decisions.	I			I							

PO1508.2	Students will be able to lead and manage in public governance.	2		3	1	1						
PO1508.3	Students will articulate and apply a public service perspective.	1		1	1	1						
PO1508.4	Students will be able to communicate and interact productively with a diverse and changing workforce and citizenry.	2			1							

**1 Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

## **ECONOMETRICS | MS1505 | 3 Credits | 2 1 0 3**

### **A. Introduction:-**

Econometrics is concerned with the statistical and mathematical tools in economic scenario. It is an important subject and step in all spheres of data analysis. The course aims at providing the basics of econometric with emphasis on some commonly statistical techniques like correlation, regression, autocorrelation, etc.

### **B. Course Outcomes:** At the end of the course, students will be able to

- 1505.1** Understand the concept of bivariate data to find the relation between variables
- 1505.2** Understand conceptual of predication of dependent variable
- 1505.3** Understand conceptual framework of simple linear regression models.
- 1505.4** Understand conceptual framework of OLS estimation.
- 1505.5** Understand the conceptual framework of autocorrelation

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:-

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS:-

**Bivariate Data:** Scatter diagram, correlation, product moment correlation coefficient and their uses, rank correlation, concept of multiple correlation and partial correlation in case of three variables. Regression Analysis.

**Introduction:** Definition and scope of econometrics, methodology of econometric research. **Simple Linear**

**Regression Model:** Assumptions, estimation (through OLS method), desirable properties of estimators, Gauss-Markov theorem, interpretation of regression coefficients, testing of regression coefficients, test for regression as a whole, coefficient of determination. **Problems in OLS Estimation:** Problems of heteroscedasticity.

**Autocorrelation:** concept, consequences of autocorrelated disturbances, detection of autocorrelation, their estimation and testing, estimation using Durbin-Watson statistic, forecasting, exponential smoothing for linear trend model.

#### F. TEXT BOOKS:-

9. Singh, S.P., Parashar, A.K, and Singh, H.P., Econometrics, S. Chand and Company Ltd, New Delhi, 1984.

10. Gujarati, D.N., Basic Econometrics, Fourth Edition (McGraw-Hill), New Delhi, 2004.

## G. REFERENCE BOOKS:-

1. Greene, W. , Econometric Analysis, Prentice Hall, New York, 1997.
2. Griffith, W.F., R.H. Hill and G.G. Judge, Learning and Practicing Econometrics, John Wiley, New York, 1993.
3. Johnston, J., Econometric Methods, McGraw Hill, New York, 1985.
4. Johnston, J. and Nardo, J.D., Econometric Methods, McGraw Hill, New York, 1997.
5. Mmenta, J., Elements of Econometrics, Michigan Press, New York, 1997.
6. Koutsoyiannis, A., Theory of Econometrics, (2nd Edition), The Macmillan Press Ltd., Hampshire, 1977.
7. Maddala, G.S., Econometrics – An Introduction, McGraw Hill, New York, 1993.

## H. Lecture Plan:-

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2	<b>Bivariate Data:</b> Scatter diagram, correlation and their uses	illustrate the concept of bivariate data	Lecture	I505.1	Home Assignment Class Quiz Mid Term I End Term
3,4	product moment correlation coefficient and rank correlation	Understand the relation between variables	Lecture	I505.1	Home Assignment Class Quiz Mid Term I End Term
5,6	Multiple correlation in case of three variables.	Can handle the multivariate data	Lecture	I505.1	In Class Quiz Mid Term I End Term
7,8,9,10	Partial correlation in case of three variables.	Can handle the multivariate data	Lecture	I505.1	Home Assignment Mid Term I End Term
11	Regression Analysis	Describe the conceptual framework of predication	Lecture	I505.2	In Class Quiz Mid Term I End Term
12,13,14	<b>Introduction:</b> Definition and scope of econometrics, methodology of econometric research.	Introduction to econometrics	Lecture	I505.2	Class Quiz Mid Term I End Term
15,16	<b>Simple Linear Regression Model:</b> Assumptions, estimation (through OLS method), desirable properties of estimators	Describe properties of OLS	Lecture	I505.2	Class Quiz Mid Term I End term
17,18,19, 20	Gauss- Markov theorem,	Understand the framework of BLUE	Lecture	I505.2	Home Assignment Class Quiz Mid Term I End Term
21,22	interpretation of regression coefficients, testing of regression coefficients, test for regression as a whole,	Understand concepts of inference in OLS	Lecture	I505.3	Class Quiz Mid Term II End Term

<b>23,24</b>	Coefficient of determination.	Understand concepts of inference in OLS	Lecture	I 505.3	Class Quiz Mid Term II End Term
<b>25,26,27</b>	<b>Problems in OLS Estimation:</b> Problems of heteroscedasticity.	Understand concepts of inference in OLS	Lecture	I 505.3	Class Quiz Mid Term II End Term
<b>28,29</b>	<b>Autocorrelation:</b> concept, consequences of auto correlated disturbances	Understand relationship between OLS estimation and autocorrelation.	Lecture	I 505.4	Class Quiz Mid Term II End Term
<b>30,31</b>	detection of autocorrelation, their estimation and testing,	Understand relationship between OLS estimation and autocorrelation.	Lecture, Activity	I 505.4	Class Quiz Mid Term II End Term
<b>32,33, 34,35</b>	Estimation using Durbin-Watson statistic	Understand relationship between OLS estimation and autocorrelation.	Lecture, Activity	I 505.5	Class Quiz End Term
<b>36</b>	Forecasting, exponential smoothing for linear trend model.	Understand relationship between OLS estimation and autocorrelation.	Lecture	I 505.5	Class Quiz End Term

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>MSI 505. 1</b>	Understand the concept of bivariate data to find the relation between variables	2			2		1	3				
<b>MSI 505. 2</b>	Understand conceptual of predication of dependent variable.		2	3		2						
<b>MSI 505. 3</b>	Understand conceptual framework of simple linear regression models.	2		3								
<b>MSI 505. 4</b>	Understand conceptual framework of OLS estimation		3		2			3				
<b>MSI 505. 5</b>	Understand the conceptual framework of autocorrelation	2		2			2					

I.

I:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation



## STATISTICAL INFERENCE: TESTING OF HYPOTHESIS | MSI506| 3 Credits | 2 | 0 3

### A. Introduction:-

Hypothesis testing is concerned with statistical testing of postulates (usually concerning parameters) in an empirical way, i.e., from data. It is an important subject and step in all spheres of data analysis. The course aims at providing the basics of hypothesis testing with emphasis on some commonly encountered hypothesis tests in statistical data analysis such as in comparisons of averages, testing for variability, proportions and significance testing in regression analysis

### B. Course Outcomes: At the end of the course, students will be able to

- I505.1** Understand the concept of statistical decision theory
- I505.2** Understand conceptual framework of likelihood tests
- I505.3** Understand conceptual framework of sampling distributions and their implementation
- I505.4** Understand conceptual framework of tests of significance.
- I505.5** Understand the framework of non-parametric test for analysis of data

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:-

Criteria	Description	Maximum Marks
	Sessional Exam I (Close Book)	20

Internal Assessment (Summative)	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS:-

**Elements of Statistical Decision Theory:** Neymann theory of testing of hypotheses, simple and composite hypotheses, null and alternative hypotheses, two types of errors, critical region, level of significance, power of the test, unbiased tests, N-P lemma, construction of most powerful test, uniformly most powerful test, uniformly most powerful unbiased test. **Likelihood Ratio Test:** Likelihood ratio test and its applications, asymptotic distribution of LR statistic and asymptotic power of LR tests. **Sampling Distributions:** Chi-square, Student's t and Seducer's F, Fisher's-Z distribution and their applications. **Tests of Significance:** tests of significance based on t, F and Chi-square distributions. **Non-Parametric Tests:** Empirical distribution function, one sample and two-sample sign test. Wald-Wolfowitz run test, run test for randomness, Median test, Wilcoxon-Mann-Whitney U-test, Kolmogorov-Smirnov one-sample test, Kruskal-Wallis test.

## F. TEXT BOOKS:-

11. Goon, A.M., Gupta, M.K. and Dasgupta, B., An Outline of Statistical Theory, Vol. II, 3<sup>rd</sup> Edn. World Press, Kolkata, 2005.
12. Kendall and Stuart, Advanced Theory of Statistics Vol.-II, Charles Griffin & Co. Ltd. London, 1961.

## G. REFERENCE BOOKS:-

8. Casella, G. and Berger, R.L., Statistical Inference, Second Edn. Thomson Duxbury, 2002.
9. Hogg, R.V. and Tanis, E.A., Probability and statistical inference, 3rd Edn. Macmillan Publishing Co. Inc., 1988.
10. Rohatgi, V. K., Statistical Inference, John Wiley and Sons, 1984.
11. Mukhopadhyay, P., Applied Statistics, Books & Allied (P) Ltd., 2011.

## H. Lecture Plan:-

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
I	<b>Elements of Statistical Decision Theory:</b> Neymann	Understand the Neymann theory of testing	Lecture	1506.I	Home Assignment Class Quiz Mid Term I End Term



	theory of testing of hypotheses				
<b>2,3</b>	simple and composite hypotheses, null and alternative hypotheses, two types of errors, critical region, level of significance	Understand the type of errors & hypothesis	Lecture	I506.1	Home Assignment Class Quiz Mid Term I End Term
<b>4,5</b>	power of the test, unbiased tests, N-P lemma, construction of most powerful test, uniformly most powerful test, uniformly most powerful unbiased test.	Understand the Neymann theory of testing	Lecture	I506.1	In Class Quiz Mid Term I End Term
<b>6,7</b>	<b>Likelihood Ratio Test:</b> Likelihood ratio test and its applications,	Can develop most powerful test	Lecture	I506.2	In Class Quiz Mid Term I End Term
<b>8,9</b>	asymptotic distribution of LR statistic and asymptotic power of LR tests	Can develop asymptotic distribution	Lecture	I506.2	Class Quiz Mid Term I End Term
<b>10, 11</b>	<b>Sampling Distributions:</b> Chi-square distribution and their applications.	Understand the framework of sampling distribution	Lecture	I506.3	Class Quiz Mid Term I End term
<b>12</b>	Student's t distribution and their applications.	Understand the framework of sampling distribution	Lecture	I506.3	Class Quiz Mid Term I End Term
<b>13,14</b>	Seducer's F distribution and their applications.	Understand the framework of sampling distribution	Lecture	I506.3	Class Quiz Mid Term I End Term
<b>15,16</b>	Fisher's-Z distribution and their applications.	Understand the framework of sampling distribution	Lecture	I506.3	Class Quiz Mid Term I End Term
<b>17,18</b>	<b>Tests of Significance:</b> tests of significance based on t	Test the normal data	Lecture, Activity	I506.4	Class Quiz End Term Mid Term I
<b>19,20</b>	tests of significance based on Z	Test the normal data	Lecture	I506.4	Class Quiz End Term Mid Term I

<b>21,22</b>	tests of significance based on F	Test the normal data	Lecture	I506.4	Class Quiz Mid Term II End Term
<b>23,24</b>	tests of significance based on Chi Square	Test the normal data	Lecture	I506.4	Class Quiz Mid Term II End Term
<b>25,26</b>	<b>Non-Parametric Tests:</b> Empirical distribution function, one sample and two-sample sign test.	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term
<b>27,28</b>	Wald-Wolfowitz run test, run test for randomness,	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term
<b>29,30</b>	Median test,	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term
<b>31,32</b>	Wilcoxon-Mann-Whitney U-test,	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term
<b>33,34</b>	Kolmogorov-Smirnov one-sample test,	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term
<b>35,36</b>	Kruskal-Wallis test	Test the non-normal data	Lecture	I506.5	Class Quiz Mid Term II End Term

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>MSI506.1</b>	Understand the concept of statistical decision theory	2			2			3				
<b>MSI506.2</b>	Understand conceptual framework of likelihood tests		2	2		3						
<b>MSI506.3</b>	Understand conceptual framework of sampling distributions and their implementation	3		2			1					
<b>MSI506.4</b>	Understand conceptual framework of tests of significance		3		2			3				
<b>MSI506.5</b>	Understand the framework of non-parametric test for analysis of data	2		2			3					

**1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation**



## A. Introduction:

This course introduces students to the basic understanding of the Indian economy and measurement of various macro-economic variables, role of finance, importance of Agricultural credit and industrial sector vis-à-vis public and private enterprises in the economic development of India.

## B. Course Outcomes:

**At the end of the course students will be able to:**

[EO1623.1] Describe and develop the various components of understanding of Indian economic problems related to agricultural finance and credit.

[EO1623.2] Critically appraise, interpret, comprehend and understanding of policies and performance in industry growth which include productivity, diversification, foreign investment and de-industrialization debate which in turn increase the employability.

[EO1623.3] Aware of the role, importance related to public and private sectors industries and performance of service sector.

[EO1623.4] Recognize the imperial priorities of Indian economy, evaluate problems and state in the imperial context, macroeconomic policies and their impact on fiscal, trade and monetary policies.

[EO1623.5] Recall the basic theoretical framework underlying the changing role of finance in capital- accumulation and corporate structure, financial liberalization, financial crisis and globalization.

## C. Program Outcomes and Program Specific Outcomes

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus

**Policies for Agricultural Finance and Credit:** Agricultural finance and Marketing-Need, Sources, Credit, Government Measures to Improve the System of Agricultural Marketing, Role of Commercial and Regional Rural Banks, NABARD; **Policies and Performance in Industry Growth:** productivity, diversification, competition policy, foreign investment, the de-industrialization debate, evolution of entrepreneurial and industrial structure, constraints to industrial breakthrough, labor relations; **Public and Private Sectors Industries:** Role, importance and share of public and private sectors in Indian economy, Public sector: objectives, performance and limitations; **Performance of Service Sector:** Role, trends and performance of service sector in Indian economy, Types of services; **Economy and State in the Imperial Context:** The imperial priorities of Indian economy, drain of wealth; international trade, capital flows and the colonial economy – changes and continuities, government and fiscal policy; **Macroeconomic Policies and Their Impact:** Fiscal Policy, trade and investment policy, financial and monetary policies, labor regulation; **The Changing Role of Finance:** The changing role of finance in capital accumulation and corporate structure, finance and globalization - financial liberalization and financial crisis

#### F. Text/ Reference Books

- S. K. Mishra and V. K. Puri. “Indian Economy”. Latest Edition. Himalaya Publishing House. New Delhi.
- Ruddar Dutt and KPM Sundaram. “Indian Economy “. Latest Edition, S. Chand and Co. Ltd. New Delhi.
- Jean Dreze and Amartya Sen. 2013. “An Uncertain Glory: India and its Contradictions”. Princeton University Press.
- Rakesh Mohan. 2010. “India’s Financial Sector and Monetary Policy Reforms”. Oxford University Press.
- Shankar Acharya and Rakesh Mohan. 2008. “India’s Economy: Performances and Challenges: Development and Participation”. Oxford University Press.

**G. Lecture Plan:**

<b>Lec. No</b>	<b>Topics</b>	<b>Session Outcome</b>	<b>Mode of Delivery</b>	<b>Corresponding CO</b>	<b>Mode of Assessing the Outcome</b>
1-2	Introduction of the syllabus	To acquaint and clear the overview of the course	Lecture	1623.1	Mid Term I End Term
3-4	Policies for Agricultural Finance and Credit:	Develop understanding Agricultural Finance and Credit	Lecture	1623.1	Mid Term I End Term
5-9	Agricultural finance and Marketing-Need, Sources, Credit	Develop understanding Agricultural Finance and Credit	Lecture	1623.1	Mid Term I End Term
10-12	Government Measures to Improve the System of Agricultural Marketing, Role of Commercial and Regional Rural Banks, NABARD	Develop understanding Agricultural Finance and Credit	Lecture	1623.1	Mid Term I End Term
13-14	Policies and Performance in Industry Growth	Aware the essentials of industry growth	Lecture	1623.2	Mid Term II End Term
15-22	Productivity, diversification, competition policy, foreign investment, the de-industrialization debate,	Aware the essentials of industry growth	Lecture	1623.2	Mid Term II End Term
23-25	Evolution of entrepreneurial and industrial structure, constraints to industrial breakthrough, labour relations	Aware the essentials of industry growth	Lecture	1623.2	Home Assignment Mid Term II End term
26-27	Public and Private Sectors Industries:	Critically appraise to development of Public and Private Sectors Industries	Lecture	1623.3	Mid Term II End Term

28-30	Role, importance and share of public and private sectors in Indian economy, Public sector: objectives, performance and limitations	Critically appraise to development of Public and Private Sectors Industries	Lecture	I623.3	Mid Term II End Term
31-32	Class test/revision	Understanding the concept	Lecture	I623.3	Mid Term II End Term
33-36	Performance of Service Sector: Role, trends and performance of service sector in Indian economy, Types of services	Recognize different problems of Service Sector	Lecture	I623.4	End Term
37-38	Economy and State in the Imperial Context: The imperial priorities of Indian economy, drain of wealth	Recognize different problems of India in the Imperial Context	Lecture	I623.4	End Term
39-42	International trade, capital flows and the colonial economy: changes and continuities, government and fiscal policy	Understanding role of International trade in the country	Lecture	I623.4	Home Assignment End Term
43-48	Macroeconomic Policies and Their Impact: Fiscal Policy, trade and investment policy, financial and monetary policies, labour regulation	Understanding role of Monetary and fiscal policy	Lecture	I623.4	End Term
49-53	The Changing Role of Finance: The changing role of finance in capital accumulation and corporate structure, finance and globalization - financial liberalization and financial crisis	Understanding Changing Role of Finance	Lecture	I623.5	End Term
54	Conclusion and Course Summarization	Recall all the concepts discussed in previous classes	Lecture	I623.5	End Term
55-56	Class test/revision	Understanding the subject	Presentation	I623.5	End Term

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>EO 1623.1</b>	Describe and develop the various component of understanding economic problems related to agricultural finance and credit	1		1					1	1		
<b>EO 1623.2</b>	Critically appraise, interpret, comprehend and understanding of policies and performance in industrygrowth, which include productivity, diversification, foreign investment and de-industrialization debate which in turnincrease the employability.	1		1			1	1			1	
<b>EO 1623.3</b>	Aware of the role, importance related to public and private sectors industries and performance of service sector	1										
<b>EO 1623.4</b>	Recognize the imperial priorities of Indian economy, evaluate problems and state in the imperial context, macroeconomic policies and their impact on fiscal, trade and monetary policies.	2	1	1		1	1			1	1	
<b>EO 1623.5</b>	Recall the basic theoretical framework underlying the changing role of capital-accumulation and corporate structure, financial liberalization, financial crisis and globalization.	1			1					1	1	

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Transport Economics| EO 1624 | 4 Credits | 3 | 0 4

**A. Introduction:** This course is offered by Dept. of Economics as an elective course, targeting students who wish to pursue career in the area of transport economics as well as logistics and supply chain or higher studies in related streams. Offers in depth knowledge of transport economics and related fields in India in general and transportation issues of Indian economy in particular. Students are expected to have background knowledge of general economics for a better learning.

**B. Course Outcomes:** At the end of the course, students will be able to

[1624.1] Describe and address the economic importance of transport with different modes of transport.

[1624.2] Interpret and illustrate the demand and supply component of transport in general.

[1624.3] Aware of the emerging facets of movement, transport and location and their correlation.

[1624.4] Recognize important role played by transport economics/transport sector in economic development hence develop employability skills.

[1624.5] Recall new economic policy adopted by government for transport safety and financing of transport infrastructure in India.

## C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.



#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam	End Term Exam	50
	Total	100
Attendance	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E SYLLABUS

**Transport:** Introduction, meaning, economic characteristics of transport, economic importance of transportation; **Modes of Transport:** Surface transport (rail, road and road transport), air transport, water transport, transport scenario in India, multimodal transportation, modal competition, modal shift and growing divergence; **Demand and Supply Analysis of Transport:** introduction, factors influencing travel demand, supply of transport, direct cost and external cost of transport, demand elasticity of transport, pricing of transport, supply/demand relationship; **Movement, Transport and Location:** Desire for movement, “chicken or egg problem”, transport and industrial location, urban transport and land values; **Transport and Economic Development:** relationship between transportation and economic development, economic benefits of transportation, transportation and economic opportunities, types of transportation impacts, transportation as an economic factor, transport planning process, emerging trends in transportation- rail, road, aviation, water; **Transport Safety and Security:** regulations of transport, physical security of passengers, freight security; **Financing of Transport Infrastructure:** private participation in transport infrastructure, causes and form of public divestiture, public-private partnership; **Case Studies:** Road Projects, Railway Projects, Port Projects, Aviation projects.

#### F. TEXT BOOKS

- Kenneth J. Button (2010): *Transport Economics*, Edward Elgar, United Kingdom.
- Stuart Cole (2010): *Applied Transport Economics*, Kogan Page India (VIVA), 3<sup>rd</sup> Edition.

#### G. REFERENCE BOOKS

- Paul Rodrigues (2013): *The Geography of Transport System*, Rout ledge, New York.
- K. V. Hariharan (2015): *Containerization, Multimodal Transport and Infrastructure Development in India*, Shroff Publishers and Distributors Pvt. Ltd., New Delhi, 6<sup>th</sup> Edition.
- Rumi Aijaz (2014): *Transportation Sector in India*, Academic Foundation, New Delhi.
- R. Dutt & K.P. Sundaram, *Indian Economics*, S Chand & Co, New Delhi, 2011.
- S.K. Mishra & V.K. Puri, *Indian Economics*, Himalaya Publishing House, Mumbai, 2012.

#### H. Lecture Plan:

Lecture No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-2	Introduction to Transport Economics, Meaning and Characteristics of Transport	To understand basics of transport economics and its importance	Lecture	1624.1	Ist Sessional Exam and End Semester Examination
3	Economic Importance of Transport	To understand the contribution in any Economy	Lecture and Discussion	1624.1	Ist Sessional Exam and End Semester Examination
4-7	Modes of Transport: Road, Rail, Water and Air	To understand and illustrate various modes of transport and its features	Lecture	1624.1	Ist Sessional Exam and End Semester Examination
8-9	Transport Scenario in India and Multi-modal Transportation	To analyse the mix of various modes as cost effectiveness	Lecture and Discussion	1624.1	Ist Sessional Exam and End Semester Examination
10	Modal shift and growing divergence in transportation	To understand emerging trends in multi-modal transport	Lecture	1624.1	Ist Sessional Exam and End Semester Examination
11-18	Demand and Supply Analysis of Transport	To understand real market mechanism of transport and its application for optimum outcome	Case Study, lecture and Discussion	1624.2	Ist Sessional Exam and End Semester Examination
19-25	Movement, Transport and Location: Desire for movement, transport and industrial location, urban transport and land values	To understand dynamics of transport demand and its benefits to real market scenario	Case Study and Lecture	1624.3	2 <sup>nd</sup> Sessional Exam and End Semester Examination
26-27	Relation between transportation and economic development	To understand its importance from national growth perspectives	Discussion	1624.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
28	Economic benefits of transportation	To illustrate actual benefits to any economy	Lecture	1624.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
29-31	Transportation and economic opportunities, types of transportation impacts, transportation as an economic factor	To understand the concept of transportation led economic development	Discussion	1624.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
32-33	Transport planning process	To understand the actual mechanism of transport planning to solve transportation problem in an economy	Lecture and Case Study	1624.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
34-36	Emerging trends in transportation: Rail, Road, Aviation and water	To understand the recent changes in the field of transportation	Discussion	1624.4	2 <sup>nd</sup> Sessional Exam and End Semester Examination
37-41	Transport safety and security: regulation of	To understand the regulatory and	Lecture and Discussion	1624.5	End Semester Examination

	transport, physical security of passenger and freight security	legislative measures by government to make transport sector more supportive			
42-47	Financing of Transport Infrastructure: private participation in transport infrastructure, causes and forms of public divestiture, public-private partnership	To understand the financial segment of transport and development of transportation infrastructure	Case Study, lecture and Discussion	1624.5	End Semester Examination
48-52	Case Studies: Road Projects, Railway Projects, Port projects and Aviation Projects.	Precise and accurate learning through various cases in the different modes of transportation in India	Case Study and Discussion	1624.2 1624.3 1624.5	End Semester Examination

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs)**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES							CORRELATION WITH PROGRAM SPECIFIC OUTCOMES		
		P O 1	P O 2	P O 3	P O 4	P O 5	P O 6	P O 7	PSO 1	PSO 2	PSO 3
EO 1624.1	Describe and address the economic importance of transport with different modes of transport.	2	1	1	1	1	1	1	1	1	1
EO 1624.2	Interpret and illustrate the demand and supply component of transport in general.	2	1	1			1	2	1	2	1
EO 1624.3	Aware of the emerging facets of movement, transport and location and their correlation.	2		2				1	2	1	
EO 1624.4	Recognize important role played by transport economics/transport sector in economic development.	1	1	1		2	2	1	1	1	2
EO 1624.5	Recall new economic policy adopted by government for transport safety and financing of transport infrastructure in India.	1			1			1	1	1	1

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Economics & Inequality| EO 1653 | 4 Credits | 3 | 0 4

**A. Introduction:**

This course introduces the students to formal modelling of a macro-economy in terms of analytical tools. It discusses various possibilities emerging in an economy, and the role of policy in this context. It also introduces the students to various theoretical issues related to economics of inequality. Growth of economic inequalities specifically post liberalization era is one of the most contentious and important issues about the Indian economy. Over the same period, within-country inequality has grown in many countries around the world, even as global inequality has probably fallen. The objective of this paper is to understand the concept, causes & measurement of economic inequality. It also aims to introduce students about how public policy affect economic inequalities.

**B. Course Outcomes:** At the end of the course, students will be able to

[EO1653.1] Understanding the basics of inequalities.

[EO1653.2] Explain the relation between technological, financial and economic change leading to economic inequality.

[EO1653.3] Present different theories of economic inequality.

[EO1653.4] Prepare the students for appropriate participation in analyzing income and wealth inequality with reference to advanced countries.

[EO1653.5] Analyze recent trends and challenges of economic inequality at global level and prepare the students for the appropriate economic analysis methods implementation so as to create employability in rural areas.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	Assignments , Activity, etc.	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

#### E. SYLLABUS

**Inequality:** Concept, meaning of distributive justice and measurement; **The Economics of Inequality: (Theory and evidence):** Alternative views of inequality and economic growth, Kuznets (stages of growth), Okun(equality vs. efficiency – the “big tradeoff”), skill-biased technological change, the role of financial sector, the economic return to education; Measuring the distributions of income and wealth in India (Post reform era),measuring bottom 20 percent: the role of education, gender, and race in accounting for earnings inequality, top 2 percent: documenting the evolution of the income share earned by the richest households;; **International perspectives** : earnings and wealth inequality in advanced countries (focus on US, Canada, UK, France and China), recent trends and challenges; **Economic Inequality and Public Policy:** Taxes, transfers, and inequality in India, other countries (focus on US, Canada, UK, France and China); **Sustainable Development Goal of UNDP:** Redistribution, inequality and sustainable and inclusive growth in India and across globe.

## F. TEXT BOOKS

- Bourguignon., A. B. (2000). Handbook of Income Distribution. Elsevier Books
- Bradley R. S. (2004). Economics of Poverty and Discrimination, Prentice Hall

## G. REFERENCE BOOKS

- Sen, A. (1973). On Economic Inequality. Oxford Publications
- Stiglitz, J. E. (2012). The Price of Inequality. New York: W. W. Norton
- Stiglitz, J.E. (2013). The Price of Inequality: How today's divided Society Endangers Our Future, W. W. Norton & Company, 1<sup>st</sup> edition

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1,2,3,4	<b>Inequality:</b> Concept, meaning of distributive justice and measurement	Will learn about concepts of inequality	Lecture	1653.1	Sessional I, End Sem
5,6,7,8	<b>The Economics of Inequality: (Theory and evidence):</b> Alternative views of inequality and economic growth,	Theories on Inequality	Lecture	1653.1	Sessional I, End Sem
9,10,11,12	Kuznets (stages of growth)	Kuznet' Theory	Lecture	1653.1	Sessional I, End Sem
13,14,15	Okun(equality vs. efficiency – the “big tradeoff”),	Understanding the Trade off	Lecture	1653.1	Sessional I, End Sem
16,17,18,19	skill-biased technological change, the role of financial sector, the economic return to education;	Concepts of Inequality	PPT presentation	1653.1	Sessional I, End Sem
20,21,22,23	Measuring the distributions of income and wealth in India (Post reform era),measuring bottom 20 percent:	Distributions of income and wealth in rural areas	PPT presentation & Lecture	1653.2	Sessional II, Case Study presentation, End Sem
24,25	The role of education, gender, and race in accounting for	Scenario of education and income in rural economy	PPT presentation	1653.2	Sessional II, Case Study presentation, End Sem

	earnings inequality, top 2 percent: documenting the evolution of the income share earned by the richest households;;				
26,27	Discussion on current year budget	Financial agreement for rural and urban	Lecture	I 653.2	Sessional II, Case Study presentation, End Sem
28,29,30,31	<b>International perspectives</b> : earnings and wealth inequality in advanced countries (focus on US, Canada, UK, France and China),	Present different theories of agricultural development, general, economic, agricultural, regional and rural.	Lecture	I 653.3	Sessional II, Case Study presentation, End Sem
33,34,35	recent trends and challenges	Appropriate participation in preparing and implementation of the rural and agricultural programmes towards skill enhancement among rural youth.	Lecture and Presentation	I 653.4	Sessional II, Case Study presentation, End Sem
36,37,38,39	<b>Economic Inequality and Public Policy:</b> Taxes, transfers, and inequality in India, other countries (focus on US, Canada, UK, France and China);	Understand Economic Inequality and Public Policy	Lecture	I 653.4	Sessional II, End Sem,
40,41,42,43	Cases- Discussion	Income distribution atleast 5 to 6 countries	Lecture	I 653.2/ I 653.3	Sessional II, End Sem,
44,45,46,47	<b>Sustainable Development Goal of UNDP:</b>	SDG's and Income Inequality	Lecture	I 653.4	Sessional II, End Sem

	Redistribution, inequality and sustainable and inclusive growth in India and across globe.				
48,49,50,51	A fundamental change from the economics of goods to the economics of ideas; how internet is contributing to growth of economies; processes that are enabling convergence of ideas into innovations	Contribution of Ideas, innovations and internet to growth of an economy	PPT presentation/ Lecture	1654.4/1653.5	End Sem, Case Study presentation
52,53,54	Summary and Revision	Benefits to economy from Equal distribution of income and wealth.	PPT presentation	1653.5	End Sem, presentation

[illegible]



EO 1653.5	Analyze recent trends and challenges of economic inequality at global level and prepare the students for the appropriate economic analysis methods implementation so as to create employability.	1			1												
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1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



## MANIPAL UNIVERSITY JAIPUR

School of Humanities and Social Sciences

DEPARTMENT OF ECONOMICS

Course Hand-out

**BRITISH DRAMA | EN 1609 | 4 Credits |  
3 | 0 4**

**A. Introduction:** This course is offered by Department of Languages as a core course to the students of BA English Hons, in VI Semester. The course offers in depth knowledge of English Drama. It covers both poetic and prose drama. The student is expected to have ability to identify and describe distinct literary characteristics of drama, including social, cultural, and philosophical implications in representative plays.

**B. Course Outcomes:** At the end of the course, students will be able to

**[1609.1] Display a working knowledge of plays from Shakespeare to the present**

**[1609.2] Identify and describe distinct literary characteristics of contemporary drama, emphasizing changing approaches to theatre as well as the social, cultural, and philosophical implications in representative plays**

**[1609.3] Analyze plays for their structure and meaning, using correct terminology**

**[1609.4] Write analytically and develop skills related to drama- its sub genres, methods, techniques, characterization, setting, plot dialogue etc.**

**[1609.5] Effectively communicate ideas related to the works during class and group activities; Write analytically about dramatic literature**

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Introduction to British Drama and major playwrights, W. Shakespeare's** *The Merchant of Venice*

**O. Goldsmith's** *She Stoops to Conquer*, **G. B. Shaw's** *Arms and the Man*, **T S Eliot's** *Family Reunion*.

#### F. TEXT BOOKS/ Reference Books

1. A. Nicoll. *An Historical Survey from Beginnings to the Present*.
2. A. N. Jeffares. *Oliver Goldsmith Oliver Goldsmith, She Stoops to Conquer: Notes*. London: Longman, 1980.
3. N. Alexander. *A critical commentary on Bernard Shaw's 'Arms and the man' and Pygmalion*. Macmillan: Macmillan, 1968.
4. S. P. Cerasano. *A Routledge Literary Sourcebook on William Shakespeare's the Merchant of Venice*. New York: Routledge, 2004.
5. R. E. Murphy. *Critical Companion to T. S Eliot: A Literary Reference to His Life and Work*. New York, 2007.

Lecture Plan:

Class Number	Topics	Session Outcome	Mode of Delivery	Corresponding Course Outcome	Mode of Assessing the Outcome
1	Introduction and Course Hand-out briefing  Reading and understanding Drama.	To acquaint and clear teachers expectations and understand student expectations	Lecture  Interaction	-	NA
2	Sharing favourite drama/movie.  Types of Drama and literary devices used	To ascertain the interest and recapitulate the understanding and the existing knowledge about drama	Interaction, Discussion & Question Answer Session	CO 1	In Class Quiz ( Not Accounted)
3-5	<b>William Shakespeare's</b> <i>The Merchant of Venice</i> - Classroom reading, role playing and discussions.	To know about the socio-cultural conditions of the period. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A  Power Point	CO 1 & 2	1 <sup>st</sup> Sessional  ET Exam  Home Assignment
6-9	<b>William Shakespeare's</b> <i>The Merchant of Venice</i> - Classroom reading, role playing and discussions.	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Video excerpts of the drama.  Lecture  Discussion	CO 3, 4 and 5	
10-14	<b>William Shakespeare's</b> <i>The Merchant of Venice</i> - Classroom reading, role playing and discussions.	To discuss and write critically about the drama, situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise  Evaluation	CO 2 & 5	
<b>FIRST SESSIONAL EXAM 21<sup>st</sup> February, Thursday -23<sup>rd</sup> February, Saturday 2019</b>					
15-17	<b>O. Goldsmith's</b> <i>She Stoops to Conquer</i> - Classroom reading, role playing and discussions.	To know about the socio-political conditions of the period. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A	CO 1 & 2	2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
18-21	<b>O. Goldsmith's</b> <i>She Stoops to Conquer</i> - Classroom reading, role playing and discussions.	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 2, 3 & 4	

22-27	<b>O. Goldsmith's <i>She Stoops to Conquer</i></b> - Classroom reading, role playing and discussions.	To discuss and write critically about the drama, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society, as well as at the time of Indian independence/partition. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise Recording of the play Evaluation	CO 4 & 5	
28-30	<b>G. B. Shaw's <i>Arms and the Man</i></b> - Classroom reading, role playing and discussions.	To know about the times and life of the dramatist. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A  Power Point	CO 1 & 2	2 <sup>nd</sup> Sessional  ET Exam  Home Assignment
31-34	<b>G. B. Shaw's <i>Arms and the Man</i></b> - Classroom reading, role playing and discussions.	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 3 & 4	
35-38	<b>G. B. Shaw's <i>Arms and the Man</i></b> - Classroom reading, role playing and discussions.	To discuss and write critically about the drama, historical situations, characters, etc. according to their own understanding. To apply their understanding for correlating the drama with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the drama.	Discussion  Written exercise  Evaluation	CO 3, 4, & 5	
<b>SECOND SESSIONAL EXAM 8<sup>th</sup> April, Monday -10<sup>th</sup> April, Wednesday 2019</b>					
39-41	<b>T S Eliot's <i>Family Reunion</i></b> - Classroom reading, role playing and discussions.	To know about the socio-cultural-political conditions of the period. To know about the major works of the dramatist and the main contemporaries. To know about the background/incident/reason/mood that lead to the writing/creation of the drama.	Lecture  Q & A	CO 1 & 2	ET Exam  Home Assignment
42-46	<b>T S Eliot's <i>Family Reunion</i></b> - Classroom reading, role playing and discussions.	To understand the main theme(s) of the drama. To analyse the techniques/words/structure, etc., used for expressing the ideas and emotions. To critically analyse the drama.	Lecture  Discussion	CO 3 & 4	
47-50	<b>T S Eliot's <i>Family Reunion</i></b> - Classroom reading, role playing and discussions.	To discuss and write critically about the drama, historical-mythological situations, characters, etc. according to their own understanding.	Discussion  Written exercise	CO 3, 4 & 5	

		To apply their understanding for correlating the drama with their own experience and the present day society. To critically comment upon the content, structure and theme(s) of the drama.	Evaluation		
51-52	Revision & Discussions	-	-	-	-
<b>END TERM EXAM 1<sup>st</sup> May, Wednesday -15<sup>th</sup> May, Wednesday 2019</b>					

**G. Course Articulation Matrix: (Mapping of COs with POs)**

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)				
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
[1609.1]	Display a working knowledge of plays from Shakespeare to the present	I		I	I	I		I					
[1609.2]	Identify and describe distinct literary characteristics of contemporary drama, emphasizing changing approaches to theatre as well as the social, cultural, and philosophical implications in representative plays	3	I	I	I	I	I						
[1609.3]	Analyze plays for their structure and meaning, using correct terminology	I	3	I		I		I					
[1609.4]	Write analytically and develop skills related to drama- its sub genres, methods, techniques, characterization, setting, plot, dialogue, etc.	2	I	I				I					
[1609.5]	Effectively communicate ideas related to the works during class and group activities; Write analytically about dramatic literature	I	I	I	I			I					

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



# MANIPAL UNIVERSITY JAIPUR

## School of Humanities and Social Sciences

DEPARTMENT OF ECONOMICS

### Course Hand-out

## WOMEN'S WRITING IN ENGLISH | EN1610 | 4 Credits | 3 | 0 4

- A. Introduction:** This course is offered by Department of Languages as a core course to the students of BA (Hons) English in Semester-VI. The course offers in-depth knowledge of women's writing and feminist criticism in English Literature. It covers the history of women's movements for their freedom in England and India, and discusses the various terms associated with such movements in English writing.
- B. Course Outcomes:** At the end of the course, students will be able to
- [EN1610.1] Explore the history of women's movements for their freedom in England and India**
  - [EN1610.2] Understand the various terms and issues related to women's writing in English**
  - [EN1610.3] Examine the similarities and differences of issues among women within and across cultures and at different periods**
  - [EN1610.4] Identify gender and sex-based inequalities in literature for empowering women and making them skillful and employed**
  - [EN1610.5] Analyze how women shape their experiences, presumptions, viewpoints, and sense of identity in literature**

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

**[PSO.1].** Understand the behaviour of Indian and World Economy

**[PSO.2].** Analyze macroeconomics policies including fiscal and monetary policies of India

**[PSO.3].** Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Plan:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Student who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work at home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

**E. SYLLABUS**

**Introduction to the early history of women's movements for their freedom in England and India, the various terms associated with women's movement for their freedom like feminism, antifeminism, masculinity, gender, femininity, androgyny, misogyny, pornography, male chauvinism, phallocentricism, patriarchy, widow remarriage, Sati, female education etc. E. Gaskell's *Cranford*, A Desai's *Fire On The Mountain*, M. Devi's *Breast Stories* and U. Vasudev's *The Songs of Anasuya***

**F. TEXT BOOKS/ Reference Books**

1. C. Kramarae & P. A. Treichler. *A Feminist Dictionary*. Illinois: University of Illinois P, 1996.
2. S. Tharu & K Lalita. *Women's Writing in India Vol-II: The Twentieth Century*. New York: Feminist P, 1993.
3. M. Walters. *Feminism: A Very Short Introduction*. Oxford: OUP, 2005.
4. K. K. Ruthven's *Feminist Literary Studies: An Introduction*. New York. Cambridge U P. 1990.

**G. Lecture Plan:**

L No.	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome

1	Introduction to the Course and topics	To acquaint and clear the teacher's expectation and understand the students' expectations	Lecture	NA	NA
2, 3	Introduction to the early history of women's movements for their freedom in England and India	Explore the history of women's movements	Lecture & discussion	EN1610.1 CO1	Mid Term I End Term
4, 5	Various terms associated with women's movement	Understand and analyse the various terms and issues related to women's movement	Lecture & discussion	EN1610.2 CO2 EN1610.5 CO5	Mid Term I End Term
7	Meaning of feminism and its three waves	Understand feminism and analyse the three waves of feminism	Lecture & discussion	EN1610.2 CO2 EN1610.5 CO5	Mid Term I End Term
8	Rights and equality of Women	Examine the similarities and differences of issues among women within and across cultures and at different periods	Lecture & discussion	EN1610.3 CO3	Mid Term I End Term
9	Antifeminism	Identify gender and sex-based inequalities through 'Antifeminism'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
10	Masculinity	Identify gender and sex-based inequalities through 'Masculinity'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
11	Gender	Identify gender and sex-based inequalities through the term 'Gender'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
12	Femininity	Understand the term 'Femininity'	Lecture & discussion	EN1610.2 CO2	Mid Term I End Term
13	Androgyny and Misogyny	Identify gender and sex-based inequalities through terms like 'Androgyny and Misogyny'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
14	Pornography	Understand the term 'Pornography'	Lecture & discussion	EN1610.2 CO2	Mid Term I End Term
15	Male chauvinism and Phallocentricism	Identify gender and sex-based inequalities through 'Male chauvinism and Phallocentricism'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
16	Patriarchy, Widow remarriage, Sati	Identify gender and sex-based inequalities through different terms like 'Patriarchy, Widow remarriage, Sati'	Lecture & discussion	EN1610.4 CO4	Mid Term I End Term
17	Female education	Examine the similarities and differences of issues related to 'Female education'	Lecture & discussion	EN1610.3 CO3	Mid Term I End Term
18-27	E. Gaskell's <i>Cranford</i>	Analyze how women shape their experiences, presumptions, viewpoints, and sense of identity in literature	Lecture & discussion	EN1610.5 CO5	Mid Term I End Term



28-37	A Desai's <i>Fire On The Mountain</i>	Analyze how women shape their experiences, presumptions, viewpoints, and sense of identity in literature	Lecture & discussion	EN1610.5 CO5	Mid Term II End Term
38-49	M. Devi's <i>Breast Stories</i>	Analyze how women shape their experiences, presumptions, viewpoints, and sense of identity in literature	Lecture & discussion	EN1610.5 CO5	Mid Term II End Term
50-53	U. Vasudev's <i>The Songs of Anasuya</i>	Analyze how women shape their experiences, presumptions, viewpoints, and sense of identity in literature	Lecture & discussion	EN1610.5 CO5	Mid Term II End Term
54-56	Revision/ Classes for Slow Learners	—	Revision, Activity & Presentation	NA	NA

#### H. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	Correlation with Program Outcomes (POs)							Correlation with Program Specific Outcomes (PSOs)		
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3
EN 1610.1	To understand, read and respond to feminist scholarship	3		1	2	1					
EN 1610.2	To examine the similarities and differences among women within and across cultures and at different historical moments	2		2		2		2			
EN 1610.3	To describe gender socialization and its consequences in a particular society			2	1			1			
EN 1610.4	To identify gender and sex-based inequalities in a particular society			2	2			2			
EN 1610.5	To analyze how these factors with the privileges and disadvantages they confer have shaped one's				2			1			

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Positive psychology | PS1609 | 3 Credits | 2 | 0 3

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary program, targeting students who wish to pursue research or higher studies in field of positive Psychology, the course is focussed on the understanding of Eastern and western perspectives of positive psychology. The related topics of character strength and virtues, positive emotions, applications of

positive psychology also discussed. The focus of the course is to prepare the student with knowledge and application of positive psychology at workplace and in relationships.

**B. Course Objectives:** At the end of the course, students will be able to

- [1609.1] Explain the perspectives of positive psychology
- [1609.2] Classify character strength and virtues
- [1609.3] Understand importance of positive emotions in inter personal and intrapersonal relationships
- [1609.4] Describe the significance of emotional intelligence and spiritual intelligence.
- [1609.5] Classify the applications and challenges of positive psychology.

**C. Program Outcomes and Program Specific Outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students’ understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

**D. Assessment Rubrics:**

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.
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## E. Syllabus

**Positive Psychology:** Introduction to Positive Psychology; Eastern and Western Perspectives on Positive Psychology;  
**Character Strengths and Virtues:** Classification and Measurement of Human Strength & Virtues: VIA classification;  
**Happiness & Subjective Wellbeing:** Definition & correlates of happiness; Traits associated with Subjective Happiness;  
Cross-cultural differences in happiness; **Positive Emotions:** Theory & Applications of positive emotions, Positive Affect,  
Hope, Optimism, Gratitude, Forgiveness; **Positive Relationships:** Flourishing Relationship, Love and attachment;  
**Positive Psychology at Work:** Positive Psychological Capital, Positive Organizational Behaviour, Spiritual intelligence,  
Emotional Intelligence and work; **Positive Psychology and its future applications, challenges and lessons.**

### Textbooks:

1. Snyder, C.R., Lopez, S.J. & Pedrotti, J.T. (2007). Positive Psychology: The Scientific and Practical Explorations of Human Strengths, Second Edition. Sage Publications
2. Peterson, Christopher (2006). A Primer in Positive Psychology. Oxford University Press.
3. Debra L Nelson & Cary L Cooper (2007). Positive Organizational Behavior. Sage Publications

### F. Reference Books:

1. American Psychologist Jan, 2000. Vol. 55 No. (1).
2. Carr, A. (2004). Positive Psychology. New York: Bruner Routledge.
3. Snyder, C. R. and Lopez, S.J. (2002). Handbook of Positive Psychology. Oxford University Press.
4. Goleman, D. (1996). Emotional Intelligence. Penguin Books

## G. Lecture Plan:

Lec No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1-5	<b>Positive Psychology</b>	To acquaint and clear the concepts related to Introduction to Positive Psychology; Eastern and Western Perspectives on Positive Psychology	Lecture	1609.1	Quiz / test
6-9	<b>Character Strengths and Virtues</b>	Examine the classification and Measurement of Human Strength & Virtues: VIA classification	Flipped Classroom	1609.2	Presentations
10-15	<b>Happiness &amp; Subjective Wellbeing</b>	Describe and examine the correlates of happiness; Traits associated with Subjective Happiness; Cross-cultural differences in happiness.	Lecture	1609.3	In Class Quiz
16-24	<b>Positive Emotions</b>	Explain the theory & applications of positive emotions, Positive Affect, Hope,	Lecture + activity	1609.3	Home Assignment

		Optimism, Gratitude, and Forgiveness.			
25- 28	<b>Positive Relationships</b>	Explain flourishing Relationship, Love and attachment	Lecture	1609.3	In Class Quiz
29-36	<b>Positive Psychology at Work</b>	Describe positive Psychological Capital, Positive Organizational Behaviour, Spiritual intelligence, Emotional Intelligence	Lecture + activity	1609.4	Class Quiz
37-39	<b>Positive Psychology and its future applications, challenges and</b>	Explain the future applications, challenges and lesson for positive psychology.	Activity (jigsaw)	1609.5	Class Quiz

#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>PS 1609.1</b>	Explain the perspectives of positive psychology	3						1				
<b>PS 1609.2</b>	Classify strength and virtues			2	2			1				
<b>PS 1609.3</b>	Understand the importance of positive emotions in interpersonal and intrapersonal relationships	1		2								
<b>PS 1609.4</b>	Describe the significance of emotional intelligence	2			2			2				
<b>PS 1609.5</b>	Classify the applications and challenges of positive psychology	2						2				

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Organizational Psychology | PSI 610 | 3 Credits 2103

**A. Introduction:** This course is offered by Dept. of Psychology as a subsidiary course it provide an overview of the major challenges and the paradigm shift facing management now and in the future. Employees are the most important resource in organization. They are the only resource which affects the organization Explain the methodology that is used to accumulate knowledge and facilitate understanding of organizational psychology.

**B. Course Objectives:** At the end of the course, students will be able to

- [PSI 610.1]. Understand the concept of organizational psychology and various theoretical approaches to organizational psychology.
- [PSI 610.2]. Define job satisfaction. What are the different factors that promotes job satisfaction of an employee?
- [PSI 610.3]. Understand leadership and various theoretical aspects of leadership.
- [PSI 610.4]. Explain role of communication in an organization.
- [PSI 610.5]. Critically evaluate the importance of group.

**C. Program Outcomes & Program specific outcomes**

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base ones actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.
- [PSO.1]. Understand the behaviour of Indian and World Economy
- [PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India
- [PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## D. Assessment Rubrics:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In Class tests and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Close Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/Home Assignment/ Assignment (Formative)	Activity	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

## E. SYLLABUS

**Introduction & roots of Organizational Psychology**, The multidisciplinary approaches, theories: Classical neoclassical and modern theory X, theory Y and Theory Z; **The Individual and organization**: Job attitudes and job satisfaction; Theories and correlates of job satisfaction & job behavior; **Work motivation and Performance**: Need theories, Models of work motivation, Managerial motivation; **Leadership in Organization**: Nature and types. Behavioral theories: Contingency theories and contemporary issues in Leadership, Power and authority, supervision and participating management, effective leader and manager; **Groups in Organizations**: The Structure and Functions of Groups, Communication in organizations: Process models, networks, effective communication management; **Conflict Negotiation and Stress in Organizations**: Nature, sources and techniques of managing conflict in Organizations. Negotiation strategies, Organizational role stress, reactions to role stress and management of stress.

### F. Textbook:

1. Dwivedi, .R.S. (2010). Human Relations and Organisational Behaviour (5 Edition). New Delhi: Macmillan India
2. Luthans, F. (2006). Organizational behavior, 11th Edition. New York: McGraw Hill.

### G. Reference Books:

1. Robbins, S.P. (2000). Organizational Behavior: Concepts, controversies and applications. 7th Edition, New Delhi: Prentice Hall of India.

2. Schein, Edgar H. (1990). Organizational Psychology. New Delhi: Prentice Hall of India
3. Pareek, U. & Rao, T.V. (1981). Behavioral process in organizations. New Delhi: IBN

## H. Lecture Plan:

Lec No.	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing Outcome
I	Introduction and Course Hand-out briefing	To acquaint and clear teachers expectations and understand student expectations	Lecture	I6I0.1	NA
2-4	Meaning of organization Psychology and multidisciplinary approaches	Define organizational psychology and its multidisciplinary approaches	Lecture	I6I0.2	Written test
5-9	Theories: Classical, Neoclassical and Modern theory X,Y & Z	Differentiate between Theory X and Theory Y	Activity Think Pair & share	I6I0.3	Class Test
10	Job Attitude	How dissonance can be reduced and a state of equilibrium can be achieved? Discuss with the help of cognitive dissonance theory of Leon Festinger	Flipped Class	I6I0.3	Home Assignment
11-13	Job Satisfaction ,Correlates of job satisfaction & job Behavior	Define job satisfaction and what are the main factor that promotes job satisfaction	Lecture	I6I0.3	Class Test
14-16	Theories of job satisfaction and Job behavior	Explain the Job equity theory	Lecture	I6I0.4	Written test

17	Definition and Importance of motivation	Work motivation is important for any employee explain	Lecture	1610.2	Written test
18-21	Theories Models of work motivation	Explain need hierarchy theory of Maslow in context of organizational psychology.	Lecture	1610.1	Class Test
22	Managerial motivation	How managers are responsible for employee motivation	Lecture	1610.2	Class Test
23	Nature & types of Leadership	Discuss the importance of leadership in any organization	Lecture	1610.3	Class Test
24-27	Theories & Contemporary issues in leadership, power & authority	Leaders are inborn support this statement with relevant theory	Lecture	1610.3	Class Test
28	Effective leader and manager	Differentiate between leader and manager	Flipped class	1610.3	Home assignment
29-30	Definition, Structure and Functions of Groups	Recognize the function of group	Flipped class room	1610.4	Home Assignment
31-32	Communication in organizations, Process models, networks, effective	Define Communication. Explain different method to overcome communication barriers.	Lecture	1610.1	Class Test
33-34	Communication Management	Explain the role of Communication in organization	Lecture	1610.2	Class Test



35-37	Nature, sources and techniques of managing conflict in Organizations.	Distinguish between functional dysfunctional conflict	Lecture	1610.3, 1610.4	Class Test
38	Negotiation strategies	Define the various negotiation strategies	Lecture	1610.3, 1610.4	Class Test
39-40	Organizational role stress, reactions to role stress and management of stress.	Recognize various stress management technique	Flipped classroom	1610.3, 1610.4, 1610.5	Home Assignments

### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES						
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PS1610.1	Understand the concept of organizational psychology and various theoretical approaches to organizational psychology.	1	3		1	1	1	1
PS1610.2	Define job satisfaction. What are the different factors that promotes job satisfaction of an employee?			1		1	1	1
PS1610.3	Understand leadership and various theoretical aspects of leadership.			1		1	1	1
PS1610.4	Explain role of communication in an organization.	2	1			1	1	1
PS1610.5	Critically evaluate the importance of group.					1	1	



# MANIPAL UNIVERSITY JAIPUR

School of Humanities and Social Sciences

Department of Arts

Course Hand-out

Social and Political Thought |PH1609 | 4 Credits | 3104

**A. Introduction:** The past fifty years have witnessed rapid technological, social and cultural changes all over the world. Driving these changes has been the thought and ideas of thinkers who envisaged a new world based on the power of reason. This course will introduce students to the ideas and the context of various thinkers who have made possible the liberties of democracy that we enjoy today. The course will also introduce them to the many perspectives that inform contemporary discussion of the status of humans and their societies. A task which will allow students to engage with social and political problems in the contemporary era more concretely. Creatively and constructively.

**B. Course Outcomes:** At the end of the course, students will be able to

[1609.1] To introduce the students to the basic concepts of Social and Political Thought.

[1609.2] To acquaint the students to the social and historical contexts of these ideas.

[1609.3] To help understand and evaluate the manner in which these ideas influence contemporary society.

[1609.4] Provide the necessary skills to analyse social and political contexts that are important for entrepreneurship.

## C. Program Outcomes and Program Specific Outcomes

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of

Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Open Book)	20
	Sessional Exam II (Open Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Open Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. Syllabus

Justice, equality, liberty, autonomy, rights, democracy, citizenship, representation, state, civil society, nation, community, power, authority, legitimacy. Political obligation, civil disobedience, revolution: swaraj, satyagraha and ahimsa. Perspectives and ideologies: Liberalism, Socialism, Fascism, Gandhism, Feminism. Issues and concerns: Identity and recognition, cultural rights, group rights and human dignity, nationalism, civic, cultural and ethnic. Contemporary debate: on secularism, neutrality, toleration and equality, political stability and terrorism.

#### F. Reference Books

1. A. Sen, *Inequalities Reexamined*, Harvard University Press, 1992.
2. J. Rawls, *A Theory of Justice*, Oxford University Press, 1999.
3. T.N. Madan, *Modern Myths, Locked Mind: Secularism and Fundamentalism in India*, Oxford University Press, Delhi, 1998.
4. R. Bhargava, *Secularism and its Critics*, Oxford University Press, 1998.
5. P. Chatterjee, *Nation and its Fragments*, Princeton University Press, 1993.

#### G. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
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1	Introduction to the course and its handout	To acquaint and clear teachers expectations and understand student expectations	Lecture with discussion	NA	NA
2	An introduction to the concept of Justice	Present the concept of justice	Lecture with discussion and Video resource	I609.1, I609.2	Quizzes, Sessional I, End Term Examination
3	An introduction to the concept of Equality	Introduce the concept of Equality	Lecture with discussion	I609.1, I609.2	Quizzes, Sessional I, End Term Examination
4	An introduction to the concept of Liberty	Introduce the concept of Liberty	Lecture with discussion	I609.1, I609.2	Quizzes, Sessional I, End Term Examination
5	An introduction to the concept of Autonomy	Introduce the concept of Autonomy	Lecture with discussion	I609.1, I609.2, I609.3	Quizzes, Sessional I, End Term Examination
6	An introduction to the concept of Rights	Introduce the concept of Rights	Lecture with discussion	I609.1, I609.3	Quizzes, Sessional I, End Term Examination
7	An introduction to the concept of Democracy	Introduce the concept of Democracy	Lecture with discussion	I609.1, I609.3	Quizzes, Sessional I, End Term Examination
8	An introduction to the concept of Citizenship	Introduce the concept of Citizenship	Lecture with discussion	I609.1, I609.3	Quizzes, Sessional I, End Term Examination
9	An introduction to the concept of Representation	Introduce the concept of Representation	Lecture with discussion	I609.1	Quizzes, Sessional I, End Term Examination
10	The concept of State	Introduce the concept of the State	Lecture with discussion	I609.1, I609.2,	Quizzes, Sessional I, End Term Examination
11	The concept of Civil society	Introduce the concept of Civil Society	Case study with discussion	I609.1,	Quizzes, Sessional I, End Term Examination
12	The concept of Nation	Introduce the concept of the Nation	Lecture with discussion	I609.1, I609.3	Quizzes, Sessional I, End Term Examination
13	The concept of Community	Introduce the concept of Community	Lecture with discussion	I609.1	Quizzes, Sessional I, End Term Examination
14	The concept of Power	Introduce the concept of Power in human history	Lecture with discussion	I609.1, I609.2, I609.4	Quizzes, Sessional I, End Term Examination
15	The concept of Authority	Introduce the concept of Authority	Lecture with discussion	I609.1	Quizzes, Sessional I, End Term Examination
16	The concept of Legitimacy	Introduce the concept of Legitimacy	Lecture with discussion	I609.1, I609.3	Quizzes, Sessional II, End Term Examination

17	The concept of Political obligation	Introduce the concept of Political Obligation	Lecture with discussion	1609.1, 1609.4	Quizzes, Sessional II, End Term Examination
18	The concept of Civil disobedience	Introduce the concept of Civil disobedience, Thoreau to Gandhi	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
19	The concept of Revolution	Introduce the concept of Revolution, Marx onwards	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
20	The concept of Swaraj	Introduce the concept of Swaraj as presented by Gandhi	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
21	The concept of Satyagraha	Introduce the concept of Satyagraha by Gandhi	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
22	The concept of Ahimsa	Introduce the concept of Ahimsa, Buddhism to Gandhi	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
23	An Introduction to and Perspectives ideologies	Introduce the concept of Ideology, Louis Althusser to Lacan	Lecture with discussion	1609.4, 1609.2,	Quizzes, Sessional II, End Term Examination
24	An Introduction to and Perspectives ideologies	Introduce the concept of Ideology, Louis Althusser to Lacan	Lecture with discussion	1609.4, 1609.2	Quizzes, Sessional II, End Term Examination
25,26	Liberalism	Introduce the concept of Liberalism	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
27,28	Socialism	Introduce the concept of Socialism	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
29,30	Fascism	Introduce the concept of Fascism	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, Sessional II, End Term Examination
31,32	Gandhism	Introduce the concept of Gandhism	Lecture with discussion	1609.1, 1609.4	Quizzes, Sessional II, End Term Examination
33, 34	Feminism	Introduce the concept of Feminism in its historicity	Lecture with discussion	1609.1	Quizzes, End Term Examination
35	Issues and concerns: Identity and recognition	Raise critical awareness around issues like Identity and recognition	Lecture with discussion	1609.3	Quizzes, End Term Examination
36	Issues and concerns: Cultural rights	Raise critical awareness around issues like Cultural rights	Lecture with discussion	1609.3	Quizzes, End Term Examination

37	Issues and concerns: Group rights and human dignity	Raise awareness critical around issues like group awareness and human dignity	Lecture with discussion	1609.3	Quizzes, End Term Examination
38	Issues and concerns: Nationalism	Raise awareness critical around issues like Nationalism	Lecture with discussion	1609.3	Quizzes, End Term Examination
39	Issues and concerns: The Civic	Raise awareness critical around issues like the Civic	Lecture with discussion	1609.3 1609.1	Quizzes, End Term Examination
40	Issues and concerns: The Cultural and the Ethnic	Raise awareness critical around issues like the cultural and the ethnic	Lecture with discussion	1609.3, 1609.1	Quizzes, End Term Examination
41,42	Contemporary debate: On Secularism (Two Classes)	Raise awareness critical around issues like secularism and pluralism	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, End Term Examination
43,44	Contemporary debate: Neutrality (Two Classes)	Raise awareness critical political stances such as neutrality	Lecture with discussion	1609.1, 1609.2	Quizzes, End Term Examination
45,46	Contemporary debate: Toleration and Equality (Two Classes)	Explain the unique relevance of toleration and equality in the contemporary era	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, End Term Examination
47,48	Contemporary debate: Political stability and Terrorism (Two Classes)	Explain the contextual relevance of political stability and terrorism	Lecture with discussion	1609.1, 1609.2, 1609.3	Quizzes, End Term Examination
49,50	Summary Lectures,	Clearing doubts and clarifications	Lecture with discussion		Quizzes, End Term Examination

#### H.Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES											
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO4	
PHI609.1	To introduce the students to the basic concepts of Social and Political Thought.	1	1	1	3	2	2	1					
PHI609.2	To acquaint the students to the social and historical contexts of these ideas.	1	1	2	2	2	2	1					

PHI609.3	To help understand and evaluate the manner in which these ideas influence contemporary society.	2	1	2	3	2	2	1				
PHI609.4	Provide the necessary skills to analyse social and political contexts that are important for entrepreneurship.	3	3	2	2	2	2	1				

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



## **MANIPAL UNIVERSITY JAIPUR**

School of Humanities and Social Sciences

Department of Arts

Course Hand-out

Intercultural Philosophy | PH 1610 | 4 Credits | 3 | 0 4

**A. Introduction:** The meeting of different cultures, philosophies, and religions today calls for an intensive and qualified discourse on the part of all concerned. *Intercultural Philosophy* seeks to develop such a discourse through a new orientation of thought that allows for a discussion of all philosophical problems from an intercultural perspective. Arguing that no conceptual or terminological system should be unnecessarily privileged, *Intercultural Philosophy* is indeed a stance taken in order to prevent any particular form from assuming an absolute position.

**B. Course Outcomes:** At the end of the course, students will be able to

**[1610.1]** Understand and describe the key concepts and issues of Culture and Interculture

**[1610.2]** Demonstrate an awareness of Monoculturalism, Cultural Diversity and Cultural Pluralism

**[1610.3].** Inculcate and promote the art of dialogue, mutual learning and co-existence of cultures

**[1610.4]** Suggest and promote interculturality which is essential to employability in a globalised work environment.

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

**[PO.1] Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

**[PO.2] Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

**[PO.3] Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

**[PO.4] Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

**[PO.5] Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Class Book)	50
	Total	100
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. These works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**The Context and Need of Interculturality:** The Monoculturalistic Contemporary Human Situation: The Three-fold Crisis of Our Times, One Possible Root Cause: Monoculturalism; Some Prominent Features of the Monoculturalistic World-View, Some Consequences; The Need for an Intercultural Enterprise. **Clarification of Fundamental Concepts:** Culture, Cultural Diversity, Cultural Pluralism, Interculturality, Philosophy and Interculturality. **Proposals for Interculturality in Different “Cultural Areas” of Life:** Economics, Politics, Science, Religion, Ecology.

#### F. References:

- R1 Dallmayr, F *Beyond Orientalism. Essays on Cross-Cultural Encounter*, SUNY Press, New York, 1991.  
 R2 Kimmerle, H. and M. Wimmer (eds.), *Studies in Intercultural Philosophy*, Satyailayam Publications, Chennai, 2001.



R3. Mall, R.A. *Intercultural Philosophy*, Rowman & Littlefield, 2000.

R4. Panikkar, R. *The Rhythm of Being*, Orbis Books, New York, 2010.

R5. Raj, Anthony Savari. *A New Hermeneutic of Reality*. R. Panikkar's Cosmotheandric Vision, Peter Lang AG, Bern, New York et al, 1998.

R6. Bhargava, R. et al (eds.). *Multiculturalism, Liberalism and Democracy*, Oxford University Press, 1999.

### G. Lecture Plan:

Lec No	Topics	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1.	Introduction and Course Hand-out briefing	Clarify teacher's expectations and understand students' expectations	Lecture	NA	NA
2.	Introduction to Intercultural Philosophy	Approach philosophical problems from an intercultural perspective	Lecture, Discussion	1610.1	Class Quiz (Not Accounted)
3.	The Context and Need of Interculturality	Approach philosophical problems from an intercultural perspective	Lecture, PPT Discussion	1610.1	Class Quiz End Term
4.	The Monoculturalistic Contemporary Human Situation	Describe and discuss the monocultural situation	Lecture, Discussion	1610.2	Home Assignment End Term
5.	The Monoculturalistic Contemporary Human Situation	Describe and discuss the monocultural situation	Lecture, Discussion	1610.2	Class Quiz Mid Term I End Term
6.	The Three-fold Crisis of Our Times, One Possible Root Cause: Monoculturalism	Detect and examine the root cause of contemporary crisis	Lecture, Discussion	1610.2	Class Quiz Mid Term I End Term
7.	The Three-fold Crisis of Our Times, One Possible Root Cause: Monoculturalism	Detect and examine the root cause of contemporary crisis	Lecture, Group Discussion	1610.2	Class Quiz Mid Term I End term
		contemporary crisis			

8.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Discussion	1610.2	Home Assignment Class Quiz Mid Term I End Term
9.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Group Discussion	1610.2	Class Quiz Mid Term I End Term
10.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Group Discussion	1610.2	Class Quiz Mid Term I End Term
11.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Discussion	1610.2	Class Quiz Mid Term I End Term
12.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term I End Term
13.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Discussion	1610.2	Class Quiz Mid Term I End Term
14.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, Group Discussion	1610.2	Class Quiz Mid Term I End Term
15.	Some Prominent Features of the Monoculturalistic World-View, Some Consequences	Analyse the features of monocultural world-view	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term I End Term
16.	The Need for an Intercultural Enterprise	Indicate the need for intercultural thinking	Lecture, PPT, Discussion	1610.3	Class Quiz End Term
17.	The Need for an Intercultural Enterprise	Indicate the need for intercultural thinking	Lecture, PPT, Discussion	1610.3	Class Quiz End Term
18.	The Need for an Intercultural Enterprise	Indicate the need for intercultural thinking	Lecture, Discussion	1610.3	Class Quiz End Term
19.	Clarification of Fundamental Concepts	Identify fundamental concepts	Lecture, Discussion	1610.2	Class Quiz Midterm II End Term
20.	Culture	Clarify culture	Lecture, Discussion	1610.2	Class Quiz Midterm II End Term

21.	Culture	Clarify culture	Lecture, Discussion	1610.2	Class Quiz Midterm II End term
22.	Culture	Clarify culture	Lecture, PPT, Discussion	1610.2	Class Quiz Midterm II End Term
23.	Cultural Diversity	Clarify cultural diversity	Lecture, Discussion	1610.2	Class Quiz Mid Term II End Term
24.	Cultural Diversity	Clarify cultural diversity	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term II End Term
25.	Cultural Diversity	Clarify cultural diversity	Lecture, Discussion	1610.2	Class Quiz Mid Term II End Term
26.	Cultural Pluralism	Clarify cultural pluralism	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term II End Term
27.	Cultural Pluralism	Clarify cultural pluralism	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term II End Term
28.	Cultural Pluralism	Clarify cultural pluralism	Lecture, PPT, Discussion	1610.2	Class Quiz Mid Term II End Term
29.	Interculturality	Clarify cultural pluralism	Lecture, Discussion	1610.3	Class Quiz Mid Term II End Term
30.	Interculturality	Clarify cultural pluralism	Lecture, PPT, Discussion	1610.3	Class Quiz Mid Term II  End Term
31.	Interculturality	Clarify cultural pluralism	Lecture, Group Discussion	1610.3	Class Quiz End Term
32.	Philosophy and Interculturality.	Clarify Interculturality	Lecture, Discussion	1610.3	Class Quiz End Term
33.	Philosophy and Interculturality.	Clarify Interculturality	Lecture, Discussion	1610.3	Class Quiz End Term
34.	Philosophy and Interculturality.	Clarify Interculturality	Lecture, PPT, Discussion	1610.3	Class Quiz End Term
35.	Proposals for Interculturality in Different “Cultural Areas” of Life: Economics	Propose intercultural approach in Economics	Lecture, PPT, Discussion	1610.4	Class Quiz End Term
36.	Proposals for Interculturality in Different “Cultural Areas” of Life: Economics	Propose intercultural approach in Economics	Lecture, Group Discussion	1610.4	Class Quiz End Term
37.	Proposals for Interculturality in Different “Cultural Areas” of Life: Economics	Propose intercultural approach in Economics	Lecture, PPT, Discussion	1610.4	Class Quiz Home Assignment End Term

38.	Proposals for Interculturality in Different “Cultural Areas” of Life: Politics	Propose intercultural approach in Politics	Lecture, Discussion	1610.4	Class Quiz End Term
39.	Proposals for Interculturality in Different “Cultural Areas” of Life: Politics	Propose intercultural approach in Politics	Lecture, Discussion	1610.4	Class Quiz End Term
40.	Proposals for Interculturality in Different “Cultural Areas” of Life: Politics	Propose intercultural approach in Politics	Lecture, PPT, Discussion	1610.4	Class Quiz End Term
41.	Proposals for Interculturality in Different “Cultural Areas” of Life: Science	Propose intercultural approach in Science	Lecture, PPT, Discussion	1610.4	Class Quiz End Term
42.	Proposals for Interculturality in Different “Cultural Areas” of Life: Science	Propose intercultural approach in Science	Lecture, Discussion	1610.4	Class Quiz End Term
43.	Proposals for Interculturality in Different “Cultural Areas” of Life: Science	Propose intercultural approach in Science	Lecture, Discussion	1610.4	Class Quiz End Term
44.	Proposals for Interculturality in Different “Cultural Areas” of Life: Religion	Propose intercultural approach in Religion	Lecture, Group Discussion	1610.4	Class Quiz Home Assignment End Term
45.	Proposals for Interculturality in Different “Cultural Areas” of Life: Religion	Propose intercultural approach in Religion	Lecture, Discussion	1610.4	Class Quiz End Term
46.	Proposals for Interculturality in Different “Cultural Areas” of Life: Religion	Propose intercultural approach in Religion	Lecture, Discussion	1610.4	Class Quiz End Term
47.	Proposals for Interculturality in Different “Cultural Areas” of Life: Ecology	Propose intercultural approach in Ecology	Lecture, PPT, Discussion	1610.4	Class Quiz End Term
48.	Proposals for Interculturality in Different “Cultural Areas” of Life: Ecology	Propose intercultural approach in Ecology	Lecture, Discussion	1610.4	Class Quiz End Term

49.	Proposals for Interculturality in Different “Cultural Areas” of Life : Ecology	Propose intercultural approach in Ecology	Lecture, Discussion	1610.4	Class Quiz End Term
50.	Conclusion and Course summarization	NA	Lecture	NA	NA

#### H. Course Articulation Matrix: (Mapping of COs with POs and PSOs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PSO 1	PSO 2	PSO 3	PSO 4
1610.1	Understand and describe the key concepts and issues of Culture and Interculture	2		I	I							
1610.2	Demonstrate an awareness of Monoculturalism, Cultural Diversity and Cultural Pluralism			I		I						
1610.3	Inculcate and promote the art of dialogue, mutual learning and co-existence of cultures			I	I	I						
1610.4	Suggest and promote interculturality which is essential to employability in a globalised work environment.				I		I	I				

**1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

Foreign Policies of India, USA & China| PO1609| 4 Credits

#### A. Introduction

The world today is becoming a small space where the individual, nation and the international system are in constant interaction. The aim of this paper is to make students aware of how

foreign policy functions. The analysis of foreign policy of major power of the world will make it even more interesting.

## **B. Course Outcomes**

On completion of the course the students will be able to:

[PO1609.1] Understand the determinants and role of institutions involved in formulating and implementing foreign policies of India, USA and China.

[PO1609.2] Unravel various layers of bilateral relations (of India, China and the USA).

[PO1609.3] Analyse the role of India, the USA and China on global issues.

[PO1609.4] To render students professionally capable for administrative services, higher education or research in think tanks and organisations

## **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

## **D. Assessment Rubrics:**

Criteria	Description	Maximum Marks
	Sessional Exam I	20

Internal Assessment (Summative)	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded. EO	

## E. SYLLABUS

**Evolution of India's Foreign Policy**, salient features, determinants of foreign policy. India and Its neighbours. India and major powers. India's approach on major global issues.

**Salient features of American foreign Policy.** American foreign policy towards Europe, West Asia and South Asia. USA on major global issues.

**Salient features of Chinese foreign policy.** China and major powers (including India). China's approach towards major global issues.

## F. References

### Books:

- 1- Dixit J.N. (2003), *India's Foreign Policy: 1947-2003* Picus Books: New Delhi.
- 2- Dutta V. P. (2011) *India's Foreign Policy Since Independence*, National Book Trust: New Delhi.
- 3- Dixit J.N. (2010) *India's Foreign Policy and its Neighbours*, Gyan Publishing House: New Delhi.
- 4- Northedge F.S. (ed) (1969) *Foreign Policy of the Powers*, Praeger: NewYork.
- 5- Arora Prem (2012) *Foreign Policy of the Major Powers*, 2nd edition, Cosmos Bookhive Pvt Ltd: Delhi.
- 6- Herring, George C.(2008) *From Colony to Superpower: U.S. Foreign Relations since 1776*, Oxford University Press : New Delhi.
- 7- Harris, Stuart (2014) *China's Foreign Policy*, 1st edition, Polity : Cambridge.

### Journals:

- 1- Seminar, New Delhi.

**G. Lecture Plan**

Lec. No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	<b>Concept of Foreign Policy</b>	Introduction	Lecture	1609.1	Quiz of previous class, Mid Term I, End Term Examination s
2	<b>Indian Foreign Policy</b>	Major Determinants	Lecture	1609.1	Quiz of previous class, Mid Term I, End Term Examination s
3,4	<b>Indian Foreign Policy</b>	Salient Features	Lecture	1609.1	Quiz of previous class, Mid Term I, End Term Examination s
5,6	<b>Indian Foreign Policy</b>	Institutions	Lecture	1609.1	Quiz of previous class, Mid Term I, End Term Examination s
7-18	<b>India and Its Neighbours</b>	Political Relations with Pakistan, Nepal, Bhutan, Sri Lanka, Bangladesh	Lecture	1609.2	Quiz of previous class, Mid Term I, End Term Examination s
19-25	<b>India and Major Power</b>	Bilateral Relations with China and USA; Approach on Major Issues	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term I, End Term Examination s
26	<b>Foreign Policy of USA</b>	Salient Features	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term



					Examinations
27	<b>Foreign Policy of USA</b>	Salient Features	Lecture and case illustrations	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term Examinations
28	<b>Foreign Policy of USA</b>	Basic Foundations	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term Examinations
29-35	<b>Foreign Policy of USA</b>	Bilateral Relations with India and China	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term Examinations
36-40	<b>Foreign Policy of USA</b>	Approach towards Major Issues	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term Examinations
41	<b>Foreign Policy of China</b>	Determinants	Lecture	1609.2, 1609.3	Quiz of previous class, Mid Term II, End Term Examinations
42	<b>Foreign Policy of China</b>	Salient Features	Lecture	1609.4 AND 1609.5	Quiz of previous class, Mid Term II, End Term Examinations
43-48	<b>Foreign Policy of China</b>	Bilateral Relations with USA and China	Lecture	1609.4 AND 1609.5	Quiz of previous class, Mid Term II, End Term Examinations
49-52	<b>Foreign Policy of China</b>	Approach towards Major Issues	Lecture	1609.4 AND 1609.5	Quiz of previous class, Mid

					Term II, End Term Examination s
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#### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES										
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
PO1609.1	Understand the determinants and role of institutions involved in formulating and implementing foreign policies of India, USA and China.	1		3								
PO1609.2	Unravel various layers of bilateral relations (of India, China and the USA).	2		3								
PO1609.3	Analyse the role of India, the USA and China on global issues.	1		1								



**MANIPAL UNIVERSITY JAIPUR**  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

Public Administration with special reference to local self government

| PO1610| 4 Credits | 1022

#### A. Introduction

Indian Public Administration is a dynamic area of study. It covers all those events and activities which involve the Governments and Politics of India.

**B. Course Outcomes:** At the end of the course, the students will be able to-  
[1610.1] To understand the form and substance of Indian Administration.

[1610.2] Acquaint with the functioning of the Indian administration, at central and state levels and the responses of these systems in addressing the concerns of the people.

[1610.3] Acquaint with India's development experience and changing role of administration.

[1610.4] Acquaint the learner with the required knowledge of administrative science and government in action and the contemporary issues in public affairs management

[1610.5] To render students professionally capable for administrative services, higher education or research in think tanks and organisations

### **C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### **D. Assessment Rubrics:**

Criteria	Description	Maximum Marks
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Internal Assessment (Summative)	Sessional Exam I	20
	Sessional Exam II	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

## E. SYLLABUS

Indian Constitution, Central Administration : President, Prime Minister, Council of Ministers, Cabinet, PMO, U.P.S.C., Elections, Finance Commission, Neeti Aayog, Control : Legislative, CAG, Judicial, State Administration : Governor, Chief Minister, Council of Ministers, State Secretariat, R.P.S.C., District Administration : Meaning, Evolution and functions, Rural Local Bodies with special reference to the 73<sup>rd</sup> and 74<sup>th</sup> Constitutional Amendment , Zila Parishad, Samiti, Gram Panchayat and Gram Sabha, Urban Local Bodies : Municipal Corporation, Municipal Council and Committees; Election Commission and Finance Commission at local level; Administrative reforms: Lok Pal and Lok Ayukta

## F. References

Books :

1. Arora, Ramesh K. (2012), *Indian Public Administration: Institutions and Issues*, 3<sup>rd</sup> Edition, New Age International Publishers : New Delhi.
2. Sharma, P.D. and B.M. Sharma (2009) , *Indian Administration : Retrospect and Prospect*, Rawat Publications : New Delhi
3. Khera, S.S. (1964) *District Administration in India*, Asia Publishing House : New Delhi
4. Singh, Hoshier and Mohinder Singh (1989) *Public Administration in India: Theory and Practice*, New Delhi: Sterling Publishers Private Ltd.
5. Avasthi A. (1980) *Central Administration*, New Delhi: Tata Mc graw Hill.
6. Jain, R.B. (1980) *District Administration*, Mussoorie : Indian Institute of Public

Administration.

7. Puri, K.K. (1985) *Local Government in India*, Jalandhar : Bharat Prakashan.
8. Jain, S.P. (ed.) (1995) *Panchayati Raj Institutions in India: An Appraisal*, Hyderabad: NIRD.
9. Prasad , Ram Narayan (2002) , *Governance of India : Issues and Perspectives*, Aizawl : North Eastern Hill University
10. Puri, K.K.( 2006) *Indian Administration*, Jalandhar : Bharat Prakashan.

Journals :

1. *Public Administration*, London.
2. *Indian Journal of Public Administration*, Indian Institute of Public Administration, New Delhi.
3. *Prashasnaika*, Rajasthan Institute of Public Administration, Jaipur.

## G. Lecture Plan

Lec. No	Topics	Session Objective	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1	Introduction of the paper	Introduction of the paper	Lecture		Quiz of previous class, Mid Term I, End Term Examinations
2	Constitutional Framework	Constitutional Framework	Lecture	1610.1	Quiz of previous class, Mid Term I, End Term Examinations
3,4	President	President	Lecture	1610.1	Quiz of previous class, Mid Term I, End Term Examinations
5,6	Prime Minister	Prime Minister	Presentations	1610.1	Quiz of previous class, Mid Term I, End Term Examinations
7,8	Council of Ministers	Council of Ministers	Lecture	1610.2	Quiz of previous class, Mid Term I, End Term Examinations
9	PMO	PMO	Lecture	1610.2	Quiz of previous class, Mid Term I, End Term Examinations
10	UPSC	UPSC	Lecture	1610.2	Quiz of previous class, Mid Term I, End Term Examinations
11	Elections	Elections	Presentation	1610.2	Quiz of previous class, Mid Term I, End Term Examinations
12	Finance Commission	Finance Commission	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
13	NITI Aayog	NITI Aayog	Lecture	1610.2	Quiz of previous class, Mid

					Term II, End Term Examinations
14	Legislative Control	Legislative Control	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
15,16	CAG	CAG	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
17	Judicial Control	Judicial Control	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
18	Governor	Governor	Presentation	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
19	Chief Minister	Chief Minister	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
20	Council of Ministers	Council of Ministers	Lecture	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
21	State Secretariat	State Secretariat	Lecture	1610.2	Student Recap of previous class, Mid Term Examination II
22	RPSC	RPSC	Lecture	1610.2	Student Recap of previous class, Mid Term Examination II
23	Meaning and evolution of District Administration	Meaning and evolution of District Administration	Lecture and case illustrations	1610.2	Quiz of previous class, Mid Term II, End Term Examinations
24	Functions of District Administration	Functions of District Administration	Lecture	1610.2	Quiz of previous class, End Term Examinations
25	73rd and 74th Amendments	73rd and 74th Amendments	Presentation	1610.2	Quiz of previous class, End Term Examinations
26	Panchayati Raj	Panchayati Raj	Lecture	1610.2	Quiz of previous class, End Term Examinations
27	Organs of Panchayati Raj	Organs of Panchayati Raj	Lecture	1610.2	Quiz of previous class, End Term Examinations
28	Organs of Panchayati Raj	Organs of Panchayati Raj	Lecture	1610.2	Quiz of previous class, End Term Examinations
29	Municipal Corporation	Municipal Corporation	Lecture	1610.2	Quiz of previous class, End Term Examinations
30	PPTs for assessment	PPTs for assessment	Lecture	1610.3	Quiz of previous class, End Term Examinations
31	PPTs for assessment	PPTs for assessment	Lecture	1610.3	Quiz of previous class, End Term Examinations
32	PPTs for assessment	PPTs for assessment	presentations	1610.3	Quiz of previous class, End Term Examinations
33	PPTs for assessment	PPTs for assessment	Lecture	1610.3	Quiz of previous class, End Term Examinations
34	PPTs for assessment	PPTs for assessment	Lecture	1610.3	Quiz of previous class, End Term Examinations
35	Municipal Council	Municipal Council	Lecture	1610.3	Quiz of previous class, End Term Examinations
36	Municipal Committees	Municipal Committees	Presentation	1610.3	Quiz of previous class, End Term Examinations
37	Election	Election	Lecture	1610.3	Quiz of previous class, End

	Commission at Local Level	Commission at Local Level			Term Examinations
38	Finance Commission at local level	Finance Commission at local level	Lecture	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
39	Administrative Reforms	Administrative Reforms	Lecture	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
40	Administrative Reforms	Administrative Reforms	Lecture	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
41	Committees on Administrative Reforms	Committees on Administrative Reforms	Lecture	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
42	Lokpal in India	Lokpal in India	Lecture	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
43	Functions OF Lokpal	Functions OF Lokpal	Presentation	1610.3	Quiz of previous class, Mid Term I, End Term Examinations
44	Lokayukta in India	Lokayukta in India	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term I, End Term Examinations
45	Functions of Lokayukta	Functions of Lokayukta	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term I, End Term Examinations
46	working of Indian Administration	working of Indian Administration	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
47	working of Indian Administration	working of Indian Administration	Presentation	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
48	Revision of the Course	Revision of the Course	Presentation	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
49	Revision of the Course	Revision of the Course	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
50	GD for assessment	GD for assessment	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
51	GD for assessment	GD for assessment	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations
52	Doubt clearing session	Doubt clearing session	Lecture	1610.4 and 1610.5	Quiz of previous class, Mid Term II, End Term Examinations

## COURSE ARTICULATION MATRIX

### H. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMEN	CORRELATION WITH PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES
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	<b>T</b>	<b>P O 1</b>	<b>P O 2</b>	<b>P O 3</b>	<b>P O 4</b>	<b>P O 5</b>	<b>P O 6</b>	<b>P O 7</b>	<b>PS O 1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>
PO1610.1	To enlighten students about the International System along	1			1							
	with its components and features, past and present											
PO 1610.2	To study the evolution of the system since the World Wars, till now.	2			1							
PO 1610.3	To understand the Foreign Policy of India.	1			1							
PO 1610.4	To capacitate students with a basic yet comprehensive understanding of International Affairs so that they develop the analytical capacity to appreciate and ascertain the global dynamics in which they exist.	2			1							

**1 Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**





MANIPAL UNIVERSITY JAIPUR  
School of Humanities and Social Sciences  
Department of Economics  
Course Hand-out

**Design of Experiments| MS 1605 | 4 Credits | 3 | 0 4**

**A. Introduction:** This course is offered by Dept. of Mathematics and Statistics, which deals with the concepts and techniques used of analysis of variance, design of experiments and factorial experiments. At the same time it provides an indication of the relevance and importance of the theory in solving real life problems with the knowledge of statistical software SPSS.

**B. Course Outcomes:** Upon successful completion of this course, the students should have the Knowledge and skills to demonstrate a high level of understanding and be able to communicate the following topics:

**1605.1** Understand the theory, concepts and issues of analysis of variance to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical Software SPSS.

**1605.2** Understand the theory, concepts and issues of Design of Experiments to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical software SPSS.

**1605.3** Understand the theory, concepts and issues of Factorial Experiments to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical software SPSS.

**C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES**

[PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.

[PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.

[PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.

[PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.

[PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real

world, and educate oneself to base one's actions on responsibility, and respect for human rights.

[PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.

[PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

#### D. Assessment Plan:

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Closed Book)	20
	Sessional Exam II (Closed Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	
Make up Assignments (Formative)	Students who miss a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.	
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.	

#### E. SYLLABUS

**Analysis of Variance:** Meaning - Models and Analysis of Variance, Contrasts and Analysis of Variance, Orthogonal contrasts. Assumptions, Analysis of Variance for one- way, two -way with one/m observations per cell for fixed, mixed and random effects models, Tukey's test for non-additivity. **Design of Experiment:** Meaning and need of design of experiments, Terminology, Experimental Error, Choice of size, Shape of plots and blocks. Basic principles of experimental design-

replication, randomization and local control, Different Experimental designs- Completely Randomized Design(CRD), Randomized Block Design(RBD) and Latin Square Design(LSD). Missing plot techniques – layout, model, statistical analysis, advantages and disadvantages, efficiency, missing plot techniques. **Factorial Experiments:** Concept, Notations of factorial experiments. 2<sup>2</sup>-experiments and 2<sup>3</sup>-experiments- Yates method of computing factorial effects total. Confounding-partial confounding in 2<sup>3</sup>-experiments.

## F. TEXT BOOKS

1. Das, M.N. and Giri, N.C., Design and Analysis of Experiments, Wiley Eastern Ltd, 1986.
2. Goon, A.M., Gupta, M.K. and Dasgupta, B., Fundamentals of Statistics. Vol. II, 8th Edition. World Press, Kolkata, 2005.
3. Gupta, S.C. and Kapoor, V.K: Fundamentals of Applied statistics, Sultan Chand and Co., 3rd edition, New Delhi, 2008.

## G. REFERENCE BOOKS

1. Cochran, W.G. and Cox, G.M., Experimental Design, Asis Publishing House, 1959.
2. Kempthorne, O., The Design and Analysis of Experiments, John Wiley, 1965.
3. Montgomery, D. C., Design and Analysis of Experiments, John Wiley, 2008.
4. Aloke Dey, Theory of Block Design, J. Wiley, 1986.

## H. Lecture Plan:

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
1, 2	Analysis of Variance: Concept, assumptions and basics of ANOVA	Apply inferential knowledge for decision making	Lecture	MS1605.1	Mid Term I End term
3, 4,	Construction of contrasts , orthogonal contrasts	Apply inferential knowledge for decision making	Lecture	MS1605.1	Mid Term I End term
5, 6, 7,	Layout and model of one way ANOVA	Apply inferential knowledge for decision making	Lecture	MS1605.1	Mid Term I End term
8, 9,10,11,	Analysis of one way ANOVA with examples	Apply inferential knowledge for decision making	Lecture	MS1605.1	Mid Term I End term
12, 13,14	Layout of two way ANOVA with one observation per cell	Apply inferential knowledge for decision making	Lecture	MS1605.1	Mid Term I End term
15, 16, 17, 18	Model and analysis of two way ANOVA with one observation per cell with examples	Can handle two independent variables on several groups	Lecture	MS1605.1	Mid Term I End term
19, 20	Tukey's test of non-additivity	Can handle two independent variables on several groups	Lecture	MS1605.1	Mid Term I End term
21,22, 23	Layout of two way ANOVA with m observation per cell	Can handle two independent variables on several groups	Lecture	MS1605.2	Mid Term II End term

<b>24,25,26, 27</b>	Model and analysis of two way ANOVA with m observation per cell with examples	Can handle two independent variables on several groups	Lecture	MS1605.2	Mid Term II End term
<b>28</b>	<b>TUTORIAL CLASS – I</b>			MS1605.2	
<b>29, 30, 31, 32,</b>	Meaning and need of design of experiments, Terminology, Experimental Error, Choice of size, Shape of plots and blocks. Basic principles of experimental design- replication, randomization and local control	Design various models for experiments	Lecture	MS1605.3	Mid Term II End term
<b>33, 34, 35,36</b>	Different Experimental designs- Completely Randomized Design(CRD)- layout, model, statistical analysis, advantages and disadvantages	Design various models for experiments	Lecture	MS1605.3	Mid Term II End term
<b>37, 38,</b>	Randomized Block Design(RBD)- layout, model, statistical analysis, advantages and disadvantages	Design various models for experiments	Lecture	MS1605.3	Mid Term II End term
<b>39, 40, 41, 42,</b>	Latin Square Design(LSD)- layout, model, statistical analysis, advantages	Design various models for experiments	Lecture	MS1605.3	End term
<b>43, 44</b>	missing plot techniques in RBD	Design various models for experiments	Lecture	MS1605.3	End term

#### I. Course Articulation Matrix: (Mapping of COs with POs)

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4

<b>MSI605.1</b>	Understand the theory, concepts and issues of analysis of variance to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical software SPSS.	3	3	2	3	1	1	3				
<b>MSI605.2</b>	Understand the theory, concepts and issues of Design of Experiments to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical software SPSS.	3	2	1	3	2	2	3				
<b>MSI605.3</b>	Understand the theory, concepts and issues of Factorial Experiments to solve the real life problems and give the conclusion in meaningful way with the utilization of statistical software SPSS.	3	2	1	2	2	1	3				

**1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation**



**MANIPAL UNIVERSITY JAIPUR**  
 School of Humanities and Social Sciences  
 Department of Economics  
 Course Hand-out

## **STOCHASTIC PROCESSES | MSI606| 4 Credits | 3 | 0 4**

### **A. Introduction:-**

Stochastic models are among the most widely used tools in operations research and management science. Stochastic processes and applications can be used to analyse and solve a diverse range of problems arising in production & inventory control, resource planning, service systems, computer networks and many others. This course, with an emphasis on model building, covers, Markov chains, Poisson processes and queuing theory.

### **B. Course Outcomes:** At the end of the course, students will be able to

<b>1606.1</b>	Understand the conceptual framework of Probability generating functions
<b>1606.2</b>	Understand conceptual framework of Stochastic Process

<b>1606.3</b>	Understand conceptual framework of Markov Chains
<b>1606.4</b>	Understand conceptual framework of Continuous time Markov Chain
<b>1606.5</b>	Develop a conceptual framework to apply these techniques in industry that help in employability

### C. PROGRAM OUTCOMES AND PROGRAM SPECIFIC OUTCOMES

- [PO.1] **Critical Thinking:** Explore, explain and critically evaluate how literary texts and the language in which they are written shape perceptions of students' understanding of social realities and their own selves.
- [PO.2] **Effective Communication:** Articulate ideas and perspectives, by developing and enhancing the communicative skills of listening, speaking, reading, and writing in interpersonal and interactive contexts, in print and in electronic media, for various audiences and purposes.
- [PO.3] **Social Interaction:** Develop competence in understanding, appreciating, and respecting social diversity derived from the representation of points-of-view in literary texts, thereby facilitating conflict resolution, and social harmony.
- [PO.4] **Effective Citizenship:** Inculcate values of patriotism and of unity, and transfer these values to real-life through selfless volunteering and activism, for promoting community welfare.
- [PO.5] **Ethics:** Recognise the diversity and complexity of ethical dilemmas in the real world, and educate oneself to base one's actions on responsibility, and respect for human rights.
- [PO.6] **Environment and Sustainability:** Study and understand Nature and the environment on the basis of important literary texts and researches, so as to initiate responsible individual and collective action, towards sustaining our shared environment.
- [PO.7] **Self-directed Life-long Learning:** Taking initiatives and challenges to choose learning opportunities and programmes, implementing learning goals, and sustaining intellectual growth and excellence in a constantly changing global scenario.

[PSO.1]. Understand the behaviour of Indian and World Economy

[PSO.2]. Analyze macroeconomics policies including fiscal and monetary policies of India

[PSO.3]. Determine economic variables including inflation, unemployment and poverty, GDP, Balance of Payment using statistical methods, behaviour of financial and money markets and perform cost-benefit analysis for making investment decisions.

### D. Assessment Plan:-

Criteria	Description	Maximum Marks
Internal Assessment (Summative)	Sessional Exam I (Close Book)	20
	Sessional Exam II (Close Book)	20
	In class Quizzes and Assignments , Activity feedbacks (Accumulated and Averaged)	10
End Term Exam (Summative)	End Term Exam (Closed Book)	50
	Total	100
Attendance (Formative)	A minimum of 75% Attendance is required to be maintained by a student to be qualified for taking up the End Semester examination. The allowance of 25% includes all types of leaves including medical leaves.	

Make up Assignments (Formative)	Students who misses a class will have to report to the teacher about the absence. A makeup assignment on the topic taught on the day of absence will be given which has to be submitted within a week from the date of absence. No extensions will be given on this. The attendance for that particular day of absence will be marked blank, so that the student is not accounted for absence. These assignments are limited to a maximum of 5 throughout the entire semester.
Homework/ Home Assignment/ Activity Assignment (Formative)	There are situations where a student may have to work in home, especially before a flipped classroom. Although these works are not graded with marks. However, a student is expected to participate and perform these assignments with full zeal since the activity/ flipped classroom participation by a student will be assessed and marks will be awarded.

#### E. SYLLABUS:-

**Probability Generating Functions:** Introduction, probability generating function: mean and variance, sum of random variables, stochastic sum, generating function of bivariate distribution, Laplace transforms and its properties, Laplace transform of a probability distribution or of a random variable, mean and variance in terms of Laplace transform, three important theorems, randomization and mixtures and classification of distributions.

**Stochastic Processes:** Introduction, definition and examples of stochastic process, classification of general stochastic processes into discrete/continuous time,

discrete/continuous state spaces, types of stochastic processes elementary problems, random walk, gambler's ruin problem. **Markov chains:** Definition and examples of Markov chain, transition probability matrix, classification of states, recurrence, simple problems, basic limit theorem of Markov chain, stationary probability distribution, applications.

**Continuous time Markov Chain:** Poisson process and related inter-arrival time distribution, pure birth process, pure death process, birth and death process, problems.

#### F. TEXT BOOKS:-

1. Medli J., Stochastic Processes, New Age International Publication, 2009.
2. Ross S.M., Stochastic Process, John Wiley, 1983.

#### G. REFERENCE BOOKS:-

1. Karlin S. and Taylor H.M., A First Course in Stochastic Process, Academic Press, 1995.
2. Parzen E., Stochastic Process, Holden-Day, 1962.
3. Cinlar E., Introduction to Stochastic Processes, Prentice Hall, 1975.
4. Taylor H.M. and Karlin S., Stochastic Modeling, Academic Press, 1999.

#### H. Lecture Plan:-

LEC NO	TOPICS	Session Outcome	Mode of Delivery	Corresponding CO	Mode of Assessing the Outcome
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<b>1, 2</b>	<b>Probability Functions:</b> Introduction, probability function: mean and variance, sum of random variables, stochastic sum,	Basic Knowledge of generating functions	Lecture	MS1606.1	Mid Term I End term
<b>3, 4, 5</b>	generating function of bivariate distribution	Basic Knowledge of bivariate generating functions	Lecture	MS1606.1	Mid Term I End term
<b>6, 7, 8</b>	Laplace transforms and its properties,	Understanding the concept of Laplace transformation	Lecture	MS1606.1	Mid Term I End term
<b>9,10,11, 12</b>	Laplace transform of a probability distribution or of a random variable, mean and variance in	Use of Laplace Transformation in probability theory	Lecture	MS1606.5	Mid Term I End term
	terms of Laplace transform,				
<b>13,14,15</b>	three important theorems,	Understanding the properties of generating functions in distribution theory	Lecture	MS1606.2	Mid Term I End term
<b>16, 17, 18</b>	randomization and mixtures and classification of distributions.	Conceptual knowledge of classification	Lecture	MS1606.2	Mid Term I End term
<b>19, 20</b>	<b>Stochastic Processes:</b> Introduction, definition and examples of stochastic process,	Knowledge of stochastic phenomena	Lecture	MS1606.2	Mid Term I End term
<b>21,22, 23</b>	classification of general stochastic processes into discrete/continuous time, discrete/continuous state spaces	Understanding the framework of random processes	Lecture	MS1606.2	Mid Term II End term
<b>24,25,26, 27</b>	types of stochastic processes elementary problems,	Understanding the framework of random processes	Lecture	MS1606.2	Mid Term II End term
<b>28, 29, 30</b>	random walk, gambler's ruin problem	Understanding the framework of Random walk	Lecture	MS1606.5	Mid Term II End term



<b>31, 32, 33</b>	<b>Markov chains:</b> Definition and examples of Markov chain, transition probability matrix, classification of states, recurrence, simple problems	Understanding the framework of Markov chain and its mathematical properties	Lecture	MS1606.3	Mid Term II End term
<b>34, 35, 36, 37</b>	basic limit theorem of Markov chain, stationary probability distribution, applications.	Knowledge of stationary processes	Lecture	MS1606.3	Mid Term II End term
<b>38, 39, 40</b>	<b>Continuous time Markov Chain:</b> Poisson process and related inter-arrival time distribution	Framework of Poisson process and its real time applications	Lecture	MS1606.4	Mid Term II End term
<b>41, 42, 43, 44</b>	pure birth process, pure death process	Framework of Poisson process	Lecture	MS1606.4	End term
		and its real time applications			
<b>45, 46, 47, 48</b>	birth and death process, problems.	Framework of Poisson process and its real time applications	Lecture	MS1606.5	End term

**I. Course Articulation Matrix: (Mapping of COs with POs and PSOs):-**

CO	STATEMENT	CORRELATION WITH PROGRAM OUTCOME							CORRELATION WITH PROGRAM SPECIFIC OUTCOME			
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PS O 1	PS O 2	PS O 3	PS O 4
<b>MS1606. 1</b>	Understand the conceptual framework of Probability generating functions	1						3				
<b>MS1606. 2</b>	Understand conceptual framework of Stochastic Process			3		2	3					
<b>MS1606. 3</b>	Understand conceptual framework of Markov Chains		3		3							
<b>MS1606. 4</b>	Understand conceptual framework of Continuous time Markov Chain	3				3		3				
<b>MS1606. 5</b>	Develop a conceptual framework to apply these techniques in industry that help in employability	3			3			3				

I.

**1:-Low Correlation; 2:-Moderate Correlation; 3:- Substantial Correlation**