

**SACRED HEART COLLEGE (AUTONOMOUS)**

**Department of Economics**

**MA Economics**

**Course Plan**

**Academic Year 2018-19**

**Semester 1**

### PROGRAMME OUTCOMES

PO1	Exercising their critical thinking in creating new knowledge leading to innovation, entrepreneurship and employability
PO2	Effectively communicate the knowledge of their study and research in their respective disciplines to their stakeholders and to the society at large.
PO3	Make choices based on the values upheld by the college, and have the readiness and know-how to preserve environment and work towards sustainable growth and development
PO4	Develop an ethical view of life, and have a broader (global) perspective transcending the provincial outlook
PO5	Explore new knowledge independently for the development of the nation and the world and are able to engage in a lifelong learning process.

### PROGRAM SPECIFIC OUTCOMES

PSO1	Access knowledge already created and published in journals, books, government reports and public documents with proper understanding of the sources available.
PSO2	Display their knowledge and understanding in economic theory and gain proficiency in financial market instruments and operations.
PSO3	Gains proficiency over economic concepts and the ability to develop new ones wherever necessary
PSO4	Evaluate of economic theories, situations critically and be able to explore alternative solutions and arrive at best possible solutions
PSO5	Formulate research problems, conducts enquiry and collect and analyse empirical data to interpret results
PSO6	Write summary reports of a research and various controversies and discussions in economics with an analytical and critical mind
PSO7	Display proper understanding of environmental, developmental, national and international economic issues
PSO8	Displays logical thinking and reasoning and gains problem solving ability.
PSO9	Creates new knowledge, by synthesizing existing knowledge and evaluating various socio-economic issues using economic reasoning

### COURSE STRUCTURE

COURSE CODE	TITLE OF THE COURSE	NO. HRS./WEEK	CREDITS	TOTAL HRS./SEM
16P1ECOT01	Microeconomic theory I	5	4	90
16P1ECOT02	Macroeconomic theory and policy	5	4	90
16P1ECOT03	Indian Economy : Issues and Policies I	5	4	90
16P1ECOT04	Economics of Development and Growth	5	4	90
16P1ECOT05	Quantitative Tools for Economic Analysis	5	4	90

### COURSE 1

PROGRAMME	MASTER OF ECONOMICS	SEMESTER	1
COURSE CODE AND TITLE	16P1ECOT01: MICRO ECONOMIC THEORY 1	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	DR. MADHUSUDHANAN NAIR M S		

	COURSE OUTCOMES	PO/ PSO	CL
CO1	The knowledge of consumer behaviour enables the student in taking rational buying decisions and also help a firm to design suitable marketing strategies	PO1, PO3, PO4, PSO3, PSO4	U
CO2	Equip with the knowledge and skill in effective decision making under uncertain market situations, and also understands the importance of time allocation and household management	PO1, PO4, PSO2, PSO3	A
CO3	Develops the skill in analyzing business phenomena in terms of transaction cost saving.	PO1, PO4, PO6, PSO4	S
CO4	Discuss the economic level of information search possible under different situations and the concept of bounded rationality	PO1, PO2, PSO1, PSO3, PSO4	An
CO5	Understanding of economies of scope and learning curves and help in analyzing the nature and functioning of modern multiproduct firms	PO1, PO3, PO4, PO6, PSO2, PSO4	U

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
<b>MODULE I</b>				
1	Demand functions	PPT/ Lecture	video	CO1
2	Demand functions	PPT/Lecture		CO1
3	Cobb-Douglas preferences	PPT/Lecture	video	CO1
4	Quasilinear preferences	PPT/Lecture	e-resource	CO1
5	Hicksian revision of demand theory	PPT/Lecture		CO1
6	Hicksian revision of demand theory	PPT/Lecture		CO1
7	Pragmatic approach and Linear expenditure system	Lecture		CO1
8	Pragmatic approach and Linear expenditure system	Lecture		CO1
9	Pragmatic approach and Linear expenditure system	Lecture		CO1
10	Constant elasticity demand function	Lecture		CO1
11	Dynamic versions of demand	Lecture		CO1
12	Duality theory: Expenditure function	PPT/Lecture		CO1
13	Duality theory: Expenditure function	PPT/Lecture		CO1
14	The indirect utility function	PPT/Lecture		CO1
15	Roy's identity and the Slutsky Equation	PPT/Lecture		CO1
16	Homothetic utility functions	PPT	e-resource	CO1
17	Homothetic utility functions	PPT	e-resource	CO1
18	Household Time Allocation model of Garry S.Becker	PPT/Lecture		CO1
19	Characteristics model of Kelvin Lancaster	Lecture	video	CO1
20	Characteristics model of Kelvin Lancaster	Lecture	video	CO1
21	Revision			
22	Revision			
<b>MODULE II</b>				
23	The St. Petersburg Paradox and Bernoullian Hypothesis	PPT/Lecture		CO2
24	The St. Petersburg Paradox and Bernoullian Hypothesis	PPT/Lecture		CO2
25	Neumann and Morgenstern theory	PPT /Lecture		CO2
26	Expected utility function			
27	Preferences towards risk			
28	Risk averse, risk loving & risk neutral	PPT /Lecture	Video	CO2
29	Risk averse, risk loving & risk neutral	PPT /Lecture		CO2
30	Gambling and insurance	Lecture		CO2

31	Risk aversion and insurance	PPT/Lecture		CO2
32	Friedman and Savage hypothesis	PPT/Lecture	e- resource	CO2
33	Friedman and Savage hypothesis	PPT/Lecture		CO2
34	Markowitz hypothesis	Lecture		CO2
35	Markowitz hypothesis	Lecture		CO2
36	Armstrong’s theory of marginal preference	Lecture		CO2
37	Behavioural economics	Lecture		CO2
38	Behavioural economics	Lecture		CO2
39	Behavioural economics	Lecture	Group Discussion	CO2
40	Revision			
41	Revision			
42	Revision			
43	CIA-1			
MODULE III				
44	Homogeneous production function	PPT/Lecture		CO3
45	Non-homogeneous production function	PPT/Lecture		CO3
46	Non-homogeneous production function	PPT/Lecture		CO3
47	Technical progress and production function	PPT/Lecture		CO3
48	Cobb Douglas, CES and VES production function	Lecture	Quiz	CO3
49	Cobb Douglas, CES and VES production function	Lecture	Quiz	CO3
50	VES (Variable Elasticity Substitution)	Lecture		CO3
51	Trans log Production functions and their properties	Lecture	Q & Ans Session	CO3
52	Trans log Production functions and their properties	Lecture	Q & Ans Session	CO3
53	Equilibrium of a single product firm: choice of optimum combination of factors	PPT/Lecture		CO3
54	Equilibrium of a multiproduct firm	PPT/Lecture		CO3
55	Equilibrium of a multiproduct firm	PPT/Lecture	Demo video	CO3
56	Traditional theory of cost	PPT/Lecture		CO3
57	Modern theory of cost	PPT/Lecture		CO3
58	Modern theory of cost	PPT/Lecture		CO3
59	Derivation of cost functions from production functions	Lecture		CO3
60	Engineering cost	PPT/Lecture		CO3
61	Economics of scale and economics of scope	PPT/Lecture		CO3

62	Economics of scale and economics of scope	PPT/Lecture		CO3
63	Learning curve	PPT/Lecture		CO3
64	Empirical evidence on cost	PPT/Lecture		CO3
65	Revision			
66	Revision			
<b>MODULE IV</b>				
67	Nature of the firm	PPT/Lecture		CO4
68	Boundaries of the firm			CO4
69	Boundaries of the firm			CO4
70	Coase theorem		Video	CO4
71	Transaction cost approach of Williamson	PPT/Lecture		CO4
72	Transaction cost approach of Williamson	PPT/Lecture		CO4
73	<b>CIA - II</b>			
74	Team production approach by ArmenAlchian and Harold Demsetz	PPT/Lecture		CO4
75	Team production approach by ArmenAlchian and Harold Demsetz	PPT/Lecture		CO4
76	Markets with asymmetric information	PPT/Lecture		CO4
77	Markets with asymmetric information	PPT/Lecture		CO5
78	Markets with asymmetric information	PPT/Lecture		CO5
79	Market for lemons	PPT/Lecture	Video	CO5
80	Adverse selection- moral hazard	PPT/Lecture		CO5
81	Market signaling	PPT/Lecture		CO5
82	Market signaling	PPT/Lecture		CO5
83	Market signaling	PPT/Lecture		CO5
84	Principal agent problem			CO5
85	Principal agent problem			CO5
86	Agency theory	Lecture	Group Discussion	CO5
87	revision			
88	revision			
89	revision			
90	revision			

#### INDIVIDUAL ASSIGNMENTS/SEMINAR – DETAILS & GUIDELINES

	DATE OF COMPLETION	TOPIC OF ASSIGNMENT & NATURE OF ASSIGNMENT (INDIVIDUAL/GROUP – WRITTEN/PRESENTATION – GRADED OR NON-GRADED ETC)	COUSE OUTCOME
1	16/08/2018	Network Externalities	CO1, CO2

2	28/09/2018	Analyse consumer decision making under uncertainty and risk.	CO3
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#### GROUP ASSIGNMENTS/ACTIVITIES – DETAILS & GUIDELINES

	DATE OF COMPLETION	TOPIC OF ASSIGNMENT & NATURE OF ASSIGNMENT (INDIVIDUAL/GROUP – WRITTEN/PRESENTATION – GRADED OR NON-GRADED ETC)	COURSE OUTCOME
1	2/09/2018	The role of insurance and gambling in allocating risk over time (Debate or Group Discussion)	CO4, CO2

#### REFERENCES

- Koutsoyiannis A. (1979), Microeconomic Theory (2nd edition), Macmillan, London (Chapter 2, 3, 4)
- Hal R. Varian- Intermediate microeconomics – A Modern Approach, East-West Press Pvt. Ltd, New Delhi, 2010
- Pindyck and Rubinfeld (2006) Microeconomics, Prentice Hall of India Ltd, New Delhi, (Chapter 4,5,7)

#### COURSE 2

PROGRAMME	MASTER OF ECONOMICS	SEMESTER	1
COURSE CODE AND TITLE	16P1ECOT02: MACRO ECONOMICS	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	Dr. K V RAJU		

#### PROGRAMME OUTCOMES

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	COURSE OUTCOME	POs/PSOs	CL	KC	Class Sessions
CO1	Evaluates Keynesian Income Expenditure model up to four sectors	PO5, PSO1, PSO7	E	C	10
CO2	Understands the IS-LM model up to four sectors	PO5, PSO1, PSO7	U	C	12
CO3	Understands the concept of consumption and consumption functions	PO5, PSO1, PSO7	U	C	2



CO4	Evaluates various post Keynesian consumption theories	PO5, PSO1	E	C	15
CO5	Develops an understanding about the concept and types of investment	PO5, PSO1, PSO7	U	C	8
CO6	Compares Keynesian and Post-Keynesian investment theories	PO5, PSO1	An	C	15
CO7	Develops basic knowledge about labor market searches and unemployment	PO5, PSO1	U	C	4
CO8	Understands the concept and theories of trade cycle	PO5, PSO1,	U	C	20
CO9	Analyses global recession and its policy implications	PO5, PSO1, PSO3	U	C	4
TOTAL HOURS OF INSTRUCTION					90

CL\* Cognitive Level

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
	<b>MODULE I</b>			
1	Introduction to Keynesian economics	PPT/Lecture		CO1
2	Keynesian income expenditure model- Introduction	PPT/Lecture		CO1
3	Keynesian 2 sector model	PPT/Lecture		CO1
4	Investment multiplier and change in income	PPT/Lecture		CO1
5	Problem solving session	Lecture/discussion		CO1
6	Keynesian 3 sector model	PPT/Lecture		CO1
7	Multipliers –tax multiplier, government expenditure multiplier, balanced budget multiplier	Lecture		CO1
8	Problem solving session	Lecture/discussion		CO1
9	Keynesian four sector model-foreign trade multiplier	Lecture		CO1
10	Problem solving session	Lecture/discussion		CO1
11	IS –LM model-Derivation of IS curve	PPT/Lecture		CO2
12	IS –LM model-Derivation of LM curve	PPT/Lecture		CO2
13	Effectiveness of Fiscal policy using IS LM model	PPT/Lecture		CO2
14	Effectiveness of monetary policy using IS LM model	PPT/Lecture		CO2
15	AD-AS Curves framework with Price and income axis	PPT/Lecture		CO2
16	AD-AS Curves framework with Price and income axis-discussion	PPT/Lecture		CO2

17	Mundell-Fleming Open Economy model- Introduction	PPT/Lecture		C02
18	Mundell-Fleming Open Economy model	PPT/Lecture		C02
19	Keynes Effect	PPT/Lecture		C02
20	Pigou Effect	PPT/Lecture		C02
21	External effect	PPT/Lecture		C02
22	Ricardian Equivalence	PPT/Lecture		C02
	<b>MODULE II</b>			
23	Introduction to consumption	PPT/Lecture		C03
24	Consumption function	PPT/Lecture		C03
25	Kuznet's consumption puzzle	PPT/Lecture		C03
26	Fishers model of inter-temporal choice	PPT/Lecture		C03
27	Relative income hypothesis	PPT/Lecture		C04
28	Permanent income hypothesis	PPT/Lecture		C04
29	Life cycle hypothesis	PPT/Lecture		C04
30	Random walk model	PPT/Lecture		C04
31	David Liabson behavioral hypothesis	PPT/Lecture		C04
32	Policy implications of consumption theories	PPT/Lecture		C04
33	Discussion			C04
34	Introduction-labour market			
35	Classical labour market	PPT/Lecture		C07
36	Classical labour market	PPT/Lecture		C07
37	Keynesian labour market	PPT/Lecture		C07
38	Keynesian labour market	PPT/Lecture		C07
39	DMP model	PPT/Lecture		C07
	<b>MODULE III</b>			
40	Introduction to investment theory	PPT/Lecture		C05
41	Investment function	PPT/Lecture		C05
42	Neo classical theory of investment	PPT/Lecture		C05
43	Neo classical theory of investment	PPT/Lecture		C05
44	Neo classical theory of investment	PPT/Lecture		C05
45	Neo classical theory of investment	PPT/Lecture		C05
46	Keynesian theory of investment	PPT/Lecture		C05
47	Keynesian theory of investment	PPT/Lecture		C05
48	Post Keynesian theory of investment	PPT/Lecture		C05
49	Post Keynesian theory of investment	PPT/Lecture		C05
50	Post Keynesian theory of investment	PPT/Lecture		C05
51	Neo-Keynesian Theories of Investment	PPT/Lecture		C06
52	Neo-Keynesian Theories of Investment	PPT/Lecture		C06
53	Compares Keynesian and post Keynesian theory of investment	PPT/Lecture		C06
54	MEC	PPT/Lecture		C06
55	MEI	PPT/Lecture		C06
56	Accelerator theory	PPT/Lecture		C06

57	Capital stock adjustment principal	PPT/Lecture		CO6
58	Tobin's q ratio	PPT/Lecture		CO6
59	Modigliani Miller theory	PPT/Lecture		CO6
60	Metzler Inventory Cycle Model.	PPT/Lecture		CO6
61	Revision	PPT/Lecture		
<b>MODULE IV</b>				
62	Introduction to trade cycles	PPT/Lecture		CO8
63	Trade cycle theories	PPT/Lecture		CO8
64	Trade cycle theories	PPT/Lecture		CO8
65	Trade cycle theories	PPT/Lecture		CO8
66	Multiplier accelerator interactions model	PPT/Lecture		CO8
67	Samuelson business cycle model	PPT/Lecture		CO8
68	Hicks business cycle model	PPT/Lecture		CO8
69	Kaldor business cycle model	PPT/Lecture		CO8
70	William Nordhaus political business cycle	PPT/Lecture		CO8
71	Comparing different business cycle model	PPT/Lecture		CO8
72	Great depression 1930s	PPT/Lecture		CO9
73	Economic recession 2008-12	PPT/Lecture		CO9
74	Policy measures	PPT/Lecture		
75	Seminar			
76	Seminar			
77	Seminar			
78	Seminar			
79	Seminar			

#### INDIVIDUAL ASSIGNMENTS/SEMINAR – DETAILS & GUIDELINES

	DATE OF COMPLETION	TOPIC OF ASSIGNMENT & NATURE OF ASSIGNMENT (INDIVIDUAL/GROUP – WRITTEN/PRESENTATION – GRADED OR NON-GRADED ETC)	COUSE OUTCOME
1	20/07/2018	IS-LM MODEL AND EFFECTIVESS OF FISCAL AND MONETARY POLICY	CO2
2	15/09/2018	ECONOMIC RECESSION 2008-12	CO9

#### REFERENCES:

- Leteris Tsoulfidis: (2010), Competing Schools of Economic Thought, Springer, London
- Gregory Mankiw, N (2010): Macroeconomics, 7th Ed, Worth Publishers, Duffield, U.K
- Kamran Dadkhah (2010): The Evolution of Macroeconomic Theory and Policy, Springer, London

- Brian Snowdon and Howard R.Vane (*Ed*) (2003): A Macroeconomics Reader, Routledge, London
- Brendan Sheehan (2009) Understanding Keynes' General Theory, Palgrave, London.
- Rudiger Dornbusch, Stanley Fisher and Richard Startz (2007) 7th Ed: Macroeconomics, TMH, New Delhi
- Brian Snowdon, Howard Vane and Peter Wynarczyk (2002): A Modern Guide to Macroeconomics: An Introduction to Competing Schools of Thought, Aldershot, England.
- Rosalind Levacic and Alexander Rebmann (2006): Macroeconomics: An Introduction to Keynesian-Neoclassical Controversies, MacMillan, NewYork.

### COURSE 3

<b>PROGRAMME</b>	<b>MA ECONOMICS</b>	<b>SEMESTER</b>	<b>1</b>
<b>COURSE CODE AND TITLE</b>	<b>16P2ECOT03:INDIAN ECONOMY: ISSUES AND POLICIES - I</b>	<b>CREDIT</b>	<b>4</b>
<b>HOURS/WEEK</b>	<b>5</b>	<b>HOURS/SEM</b>	<b>90</b>
<b>FACULTY NAME</b>	<b>SIBY ABRAHAM, ALFREEDA ALPHONSEETA</b>		

	<b>COURSE OUTCOME</b>	<b>POS, PSOS</b>	<b>CL</b>
CO1	Understanding economic growth of the country and to analyze the contribution of each sectors to income output and employment of the country	PO5/PSO1	U
CO2	Learning the role and significance of NITI AAYOG in planning of the country and to identify its drawbacks and achievements	PO2/PSO2	A
CO3	Understanding the role of India in the globalized era and to critically analyze the recent policy initiatives	PO4/PSO7	U
CO4	Identifying the importance of agriculture sector and analyzing its performance since independence. Also identifying the role of the agrarian sector in the international arena and its impact in terms of trade of the country.	PO1/PSO3	U
CO5	Identifying the role of industries in accelerating economic growth and to analyze the trends in industrial productivity	PO2/PSO3	U

CO6	Understanding the new economic reforms and to assess its impact	PO1/PSO2	A
CO7	Understanding the role played by service sector in employment generation and economic development	PO1/PSO1	U
CO8	Understanding and analysing the overall impact of the the three sectors in nation building.	PO5/PSO2	A

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
	<b>MODULE I</b>			
1	Data base of the Indian economy	PPT	video	CO1
2	Data base of the Indian economy	PPT	video	CO1
3	Economic growth in the post- independence era	PPT/Lecture		CO1
4	Economic growth in the post- independence era	PPT/Lecture		CO1
5	Indian Economy – emerging structure	PPT/Lecture		CO1
6	Contribution of different sectors to output, employment and income	PPT/Lecture	e-resource	CO1
7	Growth across regions, state	PPT/Lecture		CO1
8	Growth across regions, state	PPT/Lecture		CO1
9	National Income – meaning, concepts	PPT/Lecture		CO1
10	National Income – meaning, concepts	PPT/Lecture		CO1
11	Methodological issues in NI estimation	Lecture		CO1
12	Methodological issues in NI estimation	Lecture		CO1
13	Saving & investment – trend and pattern	Lecture		CO1
14	Saving & investment – trend and pattern	Lecture		CO1
15	Role of institutions in India’s economic progress	Lecture		CO1
16	Role of institutions in India’s economic progress	Lecture		CO1
17	State vs markets	Lecture		CO1
18	Planning – objectives, strategies	PPT		CO2
19	Planning – objectives, strategies	PPT		CO2
20	Planning – objectives, strategies	PPT		CO2
21	NITI Aayog: role, functions	PPT		CO2
22	NITI Aayog: role, functions	PPT		CO2
23	Economic Reforms in the early 90s: LPG	Lecture		CO1
24	Economic Reforms in the early 90s: LPG	Lecture		CO1
25	Economic Reforms in the early 90s: LPG	Lecture		CO1
26	Second Generation Economic Reforms	Lecture		CO1
27	Inclusive growth, recent policy initiatives	PPT		CO1
28	Inclusive growth, recent policy initiatives	PPT		CO1
29	India in a globalized world	Lecture	Quiz	CO1
30	India in a globalized world	Lecture	Quiz	CO1
31	Revision			

32	Seminar session			
33	Seminar session			
	<b>MODULE II</b>			
34	Performance of agriculture since independence, across crops and zones	PPT/Lecture		CO4
35	Performance of agriculture since independence, across crops and zones	PPT/Lecture		CO4
36	Farm Size and Productivity	Lecture		CO4
37	<b>CIA - 1</b>			
38	Agriculture inputs, Technological Change in Agriculture.	Lecture		CO4
39	Agriculture inputs, Technological Change in Agriculture.	Lecture		CO4
40	New agricultural policy, Sustenance of Agriculture Growth	Lecture		CO4
41	New agricultural policy, Sustenance of Agriculture Growth	Lecture		CO4
42	Agriculture Finance, Credit, Role of Co-operatives	PPT/Lecture		CO4
43	Agriculture Finance, Credit, Role of Co-operatives	PPT/Lecture		CO4
44	Agriculture Marketing, Pricing	PPT/Lecture		CO4
45	Agriculture Finance, Credit, Role of Co-operatives	PPT/Lecture		CO4
46	WTO, Impact on Agriculture	PPT/Lecture		CO4
47	Agrarian Crisis- Food Security	PPT/Lecture		CO4
48	Terms of Trade between agriculture & industry.	Lecture		CO4
49	Terms of Trade between agriculture & industry.	Lecture		CO4
50	<b>Revision</b>			
51	<b>Seminar session</b>			
	<b>MODULE III</b>			
52	Growth and pattern of industrial development	PPT/Lecture		CO5
53	Growth and pattern of industrial development	PPT/Lecture		CO5
54	Industrial stagnation – old and new debates	Lecture		CO5
55	Industrial productivity	PPT/Lecture		CO5
56	Industrial financing	Lecture	Quiz	CO5
57	Industrial policies	Lecture	Q & A	CO5
58	Industrial policies	Lecture	Q & A	CO5
59	Privatization and disinvestment	Lecture		CO5
60	Cottage & small-scale industries	PPT/Lecture		CO5
61	Globalization & technology transfer	Lecture		CO5
62	Special economic zones	PPT/Lecture		CO5
63	Revision	Lecture		CO5
64	Seminar session	PPT/Lecture		CO5
65	<b>CIA - II</b>			

<b>MODULE IV</b>				
66	Sources of service sector growth	Lecture	Dem, video	CO7
67	Infrastructure, physical and social: status and policies	Lecture		CO7
68	Transport, Energy & Telecommunication	Lecture	GD	CO7
69	Technology, Information Technology	Lecture		CO7
70	Research & development	PPT/Lecture		CO7
71	Health and education	PPT/Lecture	Q&A	CO7
72	Seminar session	PPT/Lecture		CO7

#### **INDIVIDUAL ASSIGNMENTS/SEMINAR – DETAILS & GUIDELINES**

	<b>DATE OF COMPLETION</b>	<b>TOPIC OF ASSIGNMENT &amp; NATURE OF ASSIGNMENT (INDIVIDUAL/GROUP – WRITTEN/PRESENTATION – GRADED OR NON-GRADED ETC)</b>	<b>COUSE OUTCOME</b>
1	6/1/2019	Impact of economic reforms on Indian economy	CO2
2	27/1/2019	Progress of service sector in India and its influence on Indian economic development.	CO3

#### **GROUP ASSIGNMENTS/ACTIVITES – DETAILS & GUIDELINES**

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1	15/12/2019	Growth & Pattern of Industrial development in India.	CO5

#### **REFERENCES**

1. C. P. Chandrasekhar, Jandhyala B. G. Tilak (2001) India's Socio-economic Database: Surveys of Selected Areas, Tulika Print Communication.
2. Chakravarty S, (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.
3. Arvind Panagariya, (2008) India: The Emerging Giant, Oxford University Press, USA
4. Datt. R. (2001), Second Generation Economic Reforms in India, Deep and Deep Publications, New Delhi
5. Gaurav Datt & Ashwini Mahajan, (2013) Indian Economy, 70th edition, S Chand Publishers, New Delhi.

6. Deepak Nayyar (2013) Catch Up: Developing Countries in the World Economy, Oxford University Press, United Kingdom
7. Acharya Shanker, Mohan Rakesh (Eds) (2011), India's Economy: Performance and Challenges, Oxford University Press, New Delhi
8. Basu Kausihik, Martens Annemie (Eds) (2011) the New Oxford Companion to Economics in India, Oxford University Press, New Delhi.

#### COURSE 4

<b>PROGRAMME</b>	<b>MASTER OF ECONOMICS</b>	<b>SEMESTER</b>	<b>1</b>
<b>COURSE CODE AND TITLE</b>	<b>16P1ECOT04: ECONOMICS OF DEVELOPMENT AND GROWTH I</b>	<b>CREDIT</b>	<b>4</b>
<b>HOURS/WEEK</b>	<b>5</b>	<b>HOURS/SEM</b>	<b>90</b>
<b>FACULTY NAME</b>	<b>VINIL K V</b>		

	<b>COURSE OUTCOME</b>	<b>POS/PSOS</b>	<b>CL</b>
CO1	Develops conceptual clarity on the various dimensions of development	PO1, PSO1, PSO2	U, An
CO2	Enables the student to evolve new strategies for achieving sustainable development and inclusive growth	PO1, PO3, PSO1, PSO2	U,C
CO3	Equips the student community with the theoretical and empirical material for enhancing their capability to address the basic problems confronted by the society	PO1, PO3, PSO1, PSO2	U, An
CO4	Understands and critically evaluates alternative theories of growth	PO1, PO3, PSO1, PSO2	U,E
CO5	Understands of the recent literature, both empirical and analytical, on theories of underdevelopment and growth in developing countries	PO1, PO3, PSO1, PSO2	U, An
CO6	Develops conceptual clarity on the various dimensions of development	PO1, PO3, PSO1, PSO2	U, An
CO7	Analyses various theories associated with its	PO1,	An



	growth and development			PSO1, PSO2	
CO8	To identify the strategic factors in the development of the less developed countries			PO1, PSO1, PSO2	An
	TOTAL HOURS OF INSTRUCTION				
SESSION	TOPIC	METHOD OF TEACHING	VALUE ADDITIONS	CO	PO/PSO
2	Economic Development and Economic Growth	ICT & Lecture	Knowledge	CO1	PO1, PSO2 PSO1,
4	Perpetuation of underdevelopment- vicious circle of poverty- Sustainable development	ICT & Lecture	Knowledge	CO5	PO1, PSO2, PSO1
2	International interdependence and globalization	ICT & Lecture	Knowledge	CO5	PO1, PSO2 PSO1,
4	Human Development Index- Human Poverty Index- Multi-dimensional Poverty Index	ICT & Lecture	Knowledge	CO6	PO1, PSO2 PSO1,
2	Gender related Development Indices	ICT & Lecture	Knowledge	CO6	PO1, PSO2 PSO1,
2	Capability and Entitled Development as freedom	ICT & Lecture	Knowledge	CO6	PO1, PSO2 PSO1,
3	Basic needs approach	ICT & Lecture	Knowledge	CO6	PO1, PSO2 PSO1,
2	Stages of development and structural changes	ICT & Lecture	Knowledge	CO2	PO1,PO3, PSO1, PSO2
2	Rostow’s stages of growth	ICT & Lecture	Knowledge	CO2	PO1, PO3, PSO1, PSO2
2	Kaldor’s growth laws	ICT & Lecture	Knowledge	CO2	PO1,PO3, PSO1, PSO2
1	Influence of dualism	ICT & Lecture	Knowledge	CO3	PO1, PO3,

	and process of structural transformation				PSO1, PSO2
2	Cumulative causation- International inequality	ICT & Lecture	Knowledge	CO3	PO1,PO3, PSO1, PSO2
2	Centre-periphery thesis - Regional growth differences	ICT & Lecture	Knowledge	CO3	PO1,PO3, PSO1, PSO2
4	measures of Poverty and inequality	ICT & Lecture	Knowledge	CO3	PO1,PO3, PSO1, PSO2
2	Classical theories of Development	ICT & Lecture	Knowledge	CO4	PO1,PO3, PSO1, PSO2
2	Marxian Theory of Development	ICT & Lecture	Knowledge	CO4	PO1,PO3, PSO1, PSO2
4	Schumpeter's Theory of Development	ICT & Lecture	Knowledge	CO4	PO1,PO3, PSO1, PSO2
2	Human capital and development	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
2	Population Growth and development - demographic dividend	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
2	The concept of optimum population	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
2	Education and investment in human capital	ICT & Lecture	Knowledge	CO8	PO1,PSO1, PSO2
2	Gender gap in development	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
2	Development of social and economic infrastructure	ICT & Lecture	Knowledge	CO8	PO1,PSO1, PSO2
2	Strategies for improving education and employment	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
2	Social engineering and inclusive growth	ICT & Lecture	Knowledge	CO7	PO1,PSO1, PSO2
10	Seminars				
2	Internal Assessment Tests				

**ASSIGNMENTS (SUBMIT ANY TWO OF THE FOLLOWING.)**

SL NO	TOPIC	NATURE	OBJECTIVES
1	Prepare the Multidimensional Poverty Index of your district with the help of 2011 Census Data.	Empirical & analytical	CO1, PO1, PSO3
2	Analyse the regional growth differences of the districts of Ernakulam and Idukki. Explain it in the light of centre-periphery thesis	Empirical analytical	CO5, PO1, PSO3
3	Analyse the impact of investment in education on the Kerala economy.	Empirical analytical	CO8, PO1, PSO3

**COURSE 5**

PROGRAMME		BACHELOR OF ECONOMICS		SEMESTER		2	
COURSE CODE AND TITLE		16P1ECOT05: QUANTITATIVE TOOLS FOR ECONOMIC ANALYSIS		CREDIT		4	
HOURS/WEEK		4		HOURS/SEM		72	
FACULTY NAME		MS. DEEPTHI K DASAN					
	COURSE OUTCOME		POS/PSOS	CL	KC	CLASS SESSIONS	
CO1	Understand the concepts of Probability, Random variables- Discrete and continuous types, probability distribution functions and its properties		PO1/PSO9	U	C	8	
CO2	Understand Mathematical Expectation, moments. Standard distributions – binomial, Poisson, normal and lognormal distributions		PO1/PSO9	U	C	10	
CO3	Understand and apply Central limit theorem		PO1/PSO1	U/Ap	C	4	
CO4	Understand Population and Sampling, Determination of sample size, Sampling distributions - Statistic, sampling distributions of sample mean		PO1/PSO3	U	C	8	
CO5	Applications of Sampling distributions – Chi square, t and F distributions		PO5/PSO9	Ap	C	15	

CO6	Estimates - point and interval estimation, Maximum Likelihood Estimation and moments Confidence interval for the mean of a population using small and large samples.	PO1/PSO9	Ap	C	15
CO7	Understand the concept of hypothesis and applications of different methods of testing hypothesis.	PO1/PSO9	U,Ap	C	15
CO8	Applications of parametric and nonparametric tests	PO5/PSO9	Ap	C	15
TOTAL HOURS OF INSTRUCTION					90

SESSIO N	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
I				
1	Bridge course (1)	PPT	video	CO1
2	Introduc on to Matrices	PPT/Lecture		CO1
3	Different types of matrices and their proper es	PPT/Lecture		CO1
4	Problems	PPT/Lecture	e-resource	CO1
5	Mathema cal Opera ons on matrices	PPT/Lecture		CO1
6	Mathema cal Opera ons on matrices	PPT/Lecture		CO1
7	Problems	Lecture		CO1
8	Determinants of a matrix and problems	Lecture		CO1
9	Minors and cofactors of a matrix	Lecture		CO1
10	Inverse of a matrix and problems	Lecture		CO1
11	Rank of a matrix	PPT/Lecture		CO1
12	Problems	PPT/Lecture		CO1
13	Solu on of system of equa ons using invers matrix method and problems	PPT/Lecture		CO1
14	Crammer's rule			
	Problems			
15	Introduc on to differen a on	PPT/Lecture		CO2
16	Applica on of differen a on in Economic theory	Lecture		CO2
17	Problems	Lecture		CO2
18	Price elas city of demand	Lecture		CO2
19	problems	Lecture		CO2

20	Relationship between MR, AR and Elasticity of demand	PPT/Lecture		CO2
21	AC, MC and Elasticity of demand	PPT/Lecture		CO2
22	problems	PPT/Lecture		CO2
23	Marginal propensity to consume and save	PPT/Lecture		CO2
24	Maximum and minimum of a function	Lecture		CO2
25	questions	Lecture		CO2
26	Partial derivatives			
27	problems	Lecture		CO2
28	Higher order partial derivatives and examples	Lecture		CO2
29	Marginal utility	PPT/Lecture		CO2
30	Marginal Productivity	PPT/Lecture		CO2
31	Partial elasticity	PPT/Lecture		CO2
32	Marginal rate of substitution			
	Problems			
33	Lagrange's Method	PPT/Lecture		CO3
34	Homogeneous function	PPT/Lecture		CO3
35	Cobb – Douglas production function	PPT/Lecture		CO3
36	Integration Introduction	Lecture	Quiz	CO3
37	Fundamental rules of integration	Lecture	Q & Ans Session	CO4
38	Standard integration problems	PPT/Lecture		CO4
39	Method of substitution	PPT/Lecture		CO4
40	problems	PPT/Lecture		CO4
41	Integration by method of parts	PPT/Lecture		CO4
42	problems	Lecture		CO4
43	Integration by partial fractions	PPT/Lecture		CO4
44	problems	PPT/Lecture		CO4
45	Definite integrals	PPT/Lecture		CO4
46	problems	PPT/Lecture		CO4
47	Application of integration in Economics	PPT/Lecture		CO4
48	Derivation of TR function from MR function	PPT/Lecture		CO4
49	Problems	PPT/Lecture		CO4
50	Derivation of TC function from MC function	PPT/Lecture		CO4
51	problems	PPT/Lecture		CO4
52	Estimation of consumer's surplus	PPT/Lecture	Video	CO4

53	Examination of producer's	PPT/Lecture		CO4
54	problems	PPT/Lecture		CO4
55	Trapezoidal rule , Problem			
	Simpson's one third rule , Problem			
56	Introduction to Linear Programming problem	Lecture	Debate	CO5
57	Graphical method for solving LPP	PPT/Lecture		CO5
58	Questions	PPT/Lecture		CO5
59	Simplex method	PPT/Lecture		CO5
60	Problem solving	PPT/Lecture		CO5
61	Dual , Duality theorem	PPT/Lecture		CO5
62	Input Output Analysis	PPT/Lecture		CO5

#### ASSIGNMENTS

	Topic of assignment	MARKS
1	Problems on Matrices	5
2	Questions on paper answering	5

#### BASIC REFERENCES

- Chiang alpha c : Fundamental methods in Mathematical Economics , 3rd edition , McGraw Hill, New York , 1984.
- Henderson, J. M and R .E Quant : Micro Economic Theory: A Mathematical Approach , 3rd edition, McGraw Hill , New York , 1980
- bRADLEY , Teresa and Pa on Paul : Essential Mathematical Economics and Business, 2nd edition , Wiley India
- Geoff Renshaw : Maths for Economics, 2nd Edition , Oxford university Press 2009
- P K Gupta, Manmohan and Kan Swarup : Operations Research , S Chand and Company