Sacred Heart College (Autonomous)

Department of Economics

MA ECONOMICS

Course plan

Academic Year: 2018 - 19

Semester I

	Programme Outcome
PO 1	**Critical Thinking:** Gather, analyze, synthesize, evaluate and apply information for the purposes of innovation, inquiry, and creative thinking.
PO 2	**Effective Communication:** Develop, interpret, and express ideas and information through written, oral and visual communication that is adapted to purpose, structure, audience, and medium.
PO 3	**Effective Citizenship:** Analyze differences and commonalities among peoples, ideas, aesthetic traditions, and cultural practices to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
PO 4	**Empirical and Quantitative Skills -** Apply mathematical, logical and scientific principles and methods through the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
PO5	**Ethics**: Recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.
PO 6	**Global Perspective:** Understand the economic, social and ecological connections that link the world's nations and people.

	PROGRAM SPECIFIC OUTCOMES
PSO 1	Applies the tools and methods of economics, statistics and econometrics for solving various theoretical and practical problems.
PSO 2	Evaluate environmental, developmental, national and international economic issues in multi-dimensional perspectives.
PSO 3	Interpret economic theories and principles and appraise the impact of local, national and global economic changes and public policy on various sectors and markets.
PSO 4	Evaluate of economic theories, policies and socio-economic issues critically and creates new knowledge, by synthesizing existing knowledge and applying economic reasoning.
PSO 5	Formulates research problems, collects and, analyses empirical data by applying economic concepts and theories and prepares study reports and research papers
PSO 6	Creates new knowledge, by synthesizing existing knowledge and evaluating various socio- economic issues using economic reasoning

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

		COURSE OUTCOMES	PO/ PSO	CL
CO 1		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
CO 2		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
CO 3		Develops the skill in analyzing business phenomena in terms of transaction cost saving.	PO1, PO4, PO6,PSO4	S
CO 4		Discuss the economic level of information search possible under different situations and the concept of bounded rationality	PO1, PO2, PSO1, PSO3,PSO4	An
CO 5		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

CL* Cognitive Level

R- Remember

U- Understand

A- Apply

An- Analyze

E- Evaluate

Cr- Create

CO - PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	1		2	3					1	2
CO 2	2	2						1	1	
CO 3	2			1		2				2
CO 4	1	2					2		2	2
CO 5	1		2	2		2		1		1

Mapping Strength

0- No Mapping strength

1- Low

2- Medium

3- High

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

37	Behavioural economics	Lecture		CO 2
38	Behavioural economics	Lecture		CO 2
39	Behavioural economics	Lecture	Group Discussion	CO 2
40	Revision			
41	Revision			
42	Revision			
43	CIA-1			
MODULE III				
44	Homogeneous production function	PPT/Lecture		CO 3
45	Non-homogeneous production function	PPT/Lecture		CO 3
46	Non-homogeneous production function	PPT/Lecture		CO 3
47	Technical progress and production function	PPT/Lecture		CO 3
48	Cobb Douglas, CES and VES production function	Lecture	Quiz	CO 3
49	Cobb Douglas, CES and VES production function	Lecture	Quiz	CO 3
50	VES (Variable Elasticity Substitution)	Lecture		CO 3
51	Trans log Production functions and their properties	Lecture	Q & Ans Session	CO 3
52	Trans log Production functions and their properties	Lecture	Q & Ans Session	CO 3
53	Equilibrium of a single product firm: choice of optimum combination of factors	PPT/Lecture		CO 3
54	Equilibrium of a multiproduct firm	PPT/Lecture		CO 3
55	Equilibrium of a multiproduct firm	PPT/Lecture	Demo video	CO 3
56	Traditional theory of cost	PPT/Lecture		CO 3
57	Modern theory of cost	PPT/Lecture		CO 3
58	Modern theory of cost	PPT/Lecture		CO 3
59	Derivation of cost functions from production functions	Lecture		CO 3
60	Engineering cost	PPT/Lecture		CO 3
61	Economics of scale and economics of scope	PPT/Lecture		CO 3
62	Economics of scale and economics of scope	PPT/Lecture		CO 3
63	Learning curve	PPT/Lecture		CO 3
64	Empirical evidence on cost	PPT/Lecture		CO 3
65	Revision			
66	Revision			
MODULE IV				
67	Nature of the firm	PPT/Lecture		CO 4
68	Boundaries of the firm			CO 4
69	Boundaries of the firm			CO 4
70	Coase theorem		Video	CO 4
71	Transaction cost approach of	PPT/Lecture		CO 4

	Williamson				
72	Transaction cost approach of Williamson	PPT/Lecture			CO 4
73	**CIA - II**				
74	Team production approach by ArmenAlchian and Harold Demsetz	PPT/Lecture			CO 4
75	Team production approach by ArmenAlchian and Harold Demsetz	PPT/Lecture			CO 4
76	Markets with asymmetric information	PPT/Lecture			CO 4
77	Markets with asymmetric information	PPT/Lecture			CO 5
78	Markets with asymmetric information	PPT/Lecture			CO 5
79	Market for lemons	PPT/Lecture	Video		CO 5
80	Adverse selection- moral hazard	PPT/Lecture			CO 5
81	Market signaling	PPT/Lecture			CO 5
82	Market signaling	PPT/Lecture			CO 5
83	Market signaling	PPT/Lecture			CO 5
84	Principal agent problem	Lecture			CO 5
85	Principal agent problem	Lecture			CO 5
86	Agency theory	Lecture	Group Discussion		CO 5
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)	Course Outcome
1	16/08/2018	Analyse consumer decision making under uncertainty and risk.	CO 1, CO2
2	2/09/2018	Network Externalities	CO 3

GROUP ASSIGNMENTS/ACTIVITES – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	11/10/2018	The role of insurance and gambling in allocating risk over time (Debate or Group Discussion)	CO 4, CO2

References

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

Web resource references:

- **https://www.thoughtco.com/online-microeconomics-textbook-1147732**

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		

	COURSE OUTCOME	POs/PSOs	CL	KC	Class Sessions
CO1	Evaluates Keynesian Income Expenditure model up to four sectors	PO1, PSO1, PSO3	E	C	15
CO2	Understands the IS-LM model up to four sectors	PO1, PSO1, PSO3	U	C	15
CO3	Understands the concept of consumption and consumption functions and evaluate various consumption theories	PO1, PSO1, PSO3	U	C	20
CO4	Develops an understanding about the concept and types of investment and Compares Keynesian and Post-Keynesian investment theories	PO1, PSO1,PSO3,PSO4	E	C	20
CO5	Understands the concept and theories of trade cycle	PO1, PSO1	U	C	10
CO6	Analyses global recession and its policy implications	PO1, PSO1, PSO3 , PSO2	U	C	10
TOTAL HOURS OF INSTRUCTION					90

CL* Cognitive Level

CO - PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	3					3		2		
CO 2	3					3		2		
CO 3	3					3		2		
CO 4	3					3		2	2	
CO 5	3					3				
CO6	3					3		3	3	

Mapping Strength

 0. No Mapping strength
 1. Low
 2. Medium
 3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
MODULE I				
1.	Introduction to Keynesian economics	PPT/Lecture		CO 1
2.	Keynesian income expenditure model-Introduction	PPT/Lecture		CO 1
3.	Keynesian 2 sector model	PPT/Lecture		CO 1
4.	Investment multiplier and change in income	PPT/Lecture		CO 1
5.	Problem solving session	Lecture/discussion		CO 1
6.	Keynesian 3 sector model	PPT/Lecture		CO 1
7.	Multipliers –tax multiplier, government expenditure multiplier, balanced budget multiplier	Lecture		CO 1
8.	Multipliers –tax multiplier, government expenditure multiplier, balanced budget multiplier	Lecture		CO 1
9.	Problem solving session	Lecture/discussion		CO 1
10.	Keynesian four sector model-foreign trade multiplier	Lecture		CO 1
11.	Keynesian four sector model-foreign trade multiplier	Lecture		CO 1
12.	Problem solving session	Lecture/discussion		CO 1
13.	IS –LM model-Derivation of IS curve	PPT/Lecture		CO 2
14.	IS –LM model-Derivation of LM curve	PPT/Lecture		CO 2
15.	General equilibrium	PPT/Lecture		CO 2
16.	Keynesian range, intermediate range	PPT/Lecture		CO 2

	and classical range			
17.	Effectiveness of Fiscal policy using IS LM model	PPT/Lecture		CO 2
18.	Effectiveness of monetary policy using IS LM model	PPT/Lecture		CO 2
19.	AD-AS Curves framework with Price and income axis	PPT/Lecture		CO 2
20.	AD-AS Curves framework with Price and income axis-discussion	PPT/Lecture		CO 2
21.	Mundell-Fleming Open Economy model-Introduction	PPT/Lecture		CO 2
22.	Mundell-Fleming Open Economy model	PPT/Lecture		CO 2
23.	Effectiveness of monetary and fiscal policy	PPT/Lecture		CO 2
24.	Keynes Effect	PPT/Lecture		CO 2
25.	Pigou Effect	PPT/Lecture		CO 2
26.	External effect	PPT/Lecture		CO 2
27.	Ricardian Equivalence	PPT/Lecture		CO 2
28.	seminar			
29.	Seminar			
30.	seminar			
MODULE II				
31.	Introduction to consumption	PPT/Lecture		CO3
32.	Consumption function	PPT/Lecture		CO3
33.	Keynesian consumption function	PPT/Lecture		CO3
34.	Kuznet's consumption puzzle	PPT/Lecture		CO3
35.	Fishers model of inter-temporal choice	PPT/Lecture		CO3
36.	Fishers model of inter-temporal choice	PPT/Lecture		CO3
37.	Relative income hypothesis	PPT/Lecture		CO3
38.	Relative income hypothesis	PPT/Lecture		CO3
39.	Permanent income hypothesis	PPT/Lecture		CO3
40.	Permanent income hypothesis	PPT/Lecture		CO3
41.	Life cycle hypothesis	PPT/Lecture		CO3
42.	Life cycle hypothesis	PPT/Lecture		CO3
43.	Policy implications of consumption theories	PPT/Lecture		CO3
44.	Consumption under uncertainty	PPT/Lecture		CO3
45.	Consumption under uncertainty	PPT/Lecture		CO3
46.	Modern approach to consumption	PPT/Lecture		CO3
47.	Modern approach to consumption	PPT/Lecture		CO3
48.	Seminar			
49.	Seminar			
50.	revision			
MODULE III				
51.	Introduction to investment theory	PPT/Lecture		CO4

52.	Investment function	PPT/Lecture		CO4
53.	Neo classical theory of investment	PPT/Lecture		CO4
54.	Neo classical theory of investment	PPT/Lecture		CO4
55.	Keynesian theory of investment	PPT/Lecture		CO4
56.	Keynesian theory of investment	PPT/Lecture		CO4
57.	Post Keynesian theory of investment	PPT/Lecture		CO4
58.	Post Keynesian theory of investment	PPT/Lecture		CO4
59.	Neo-Keynesian Theories of Investment	PPT/Lecture		CO4
60.	Neo-Keynesian Theories of Investment	PPT/Lecture		CO4
61.	Compares Keynesian and post Keynesian theory of investment	PPT/Lecture		CO4
62.	MEC, MEI and accelerator theory	PPT/Lecture		CO4
63.	Tobin's q ratio	PPT/Lecture		CO4
64.	Introduction to labour market	PPT/Lecture		CO4
65.	Classical labour market	PPT/Lecture		CO4
66.	Keynesian labour market	PPT/Lecture		CO4
67.	Search theories	discussion		CO3
68.	DMP model	PPT/Lecture		CO3
69.	Seminar			
70.	Seminar			
MODULE IV				
71.	Introduction to trade cycles	PPT/Lecture		CO5
72.	Multiplier accelerator interactions model	PPT/Lecture		CO5
73.	Multiplier accelerator interactions model	PPT/Lecture		CO5
74.	Samuelson business cycle model	PPT/Lecture		CO5
75.	Samuelson business cycle model	PPT/Lecture		CO5
76.	Hicks business cycle model	PPT/Lecture		CO5
77.	Hicks business cycle model	PPT/Lecture		CO5
78.	Kaldor business cycle model	PPT/Lecture		CO5
79.	Kaldor business cycle model	PPT/Lecture		CO5
80.	William Nordhaus political business cycle	PPT/Lecture		CO5
81.	William Nordhaus political business cycle	PPT/Lecture		CO5
82.	Evaluation of trade cycle theories	PPT/Lecture		CO5
83.	Economic recession 2008-12	PPT/Lecture		CO6
84.	Policy measures	PPT/Lecture		CO6
85.	Seminar	PPT/Lecture		
86.	Seminar	PPT/Lecture		
87.	Seminar	PPT/Lecture		
88.	seminar	PPT/Lecture		

89.	Seminar	PPT/Lecture		
90.	seminar	PPT/Lecture		

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)	Course Outcome
1	20/07/2018	Mundell Fleming Model	CO 2
2	15/09/2018	Trade cycle theories	CO 5

References

REFERENCES:-
1. Lefteris Tsoulfidis: (2010), Competing Schools of Economic Thought, Springer, London
2. Gregory Mankiw, N (2010): Macroeconomics, 7th Ed, Worth Publishers, Duffield, U.K
3. Kamran Dadkhah (2010): The Evolution of Macroeconomic Theory and Policy, Springer, London
3. Brian Snowdon and Howard R.Vane (*Ed)* (2003): A Macroeconomics Reader, Routledge, London
4. Brendan Sheehan (2009) Understanding Keynes' General Theory, Palgrave, London.
5. Rudiger Dornbusch, Stanley Fisher and Richard Startz (2007) 7th Ed: Macroeconomics, TMH, New Delhi
6. Brian Snowdon, Howard Vane and Peter Wynarczyk (2002): A Modern Guide to Macroeconomics: An Introduction to Competing Schools of Thought, Aldershot, England.
7. Rosalind Levacic and Alexander Rebmann (2006): Macroeconomics: An Introduction to Keynesian-Neoclassical Controversies, MacMillan, NewYork.8 Richard T. Froyen (2008): Macroeconomics-Theories and Policies, Pearson, Singapore.
9 Garner Ackley (1989): Macroeconomics: Theory and Policy,Collier MacMillan, Newyork.
10 A.J. Westaway and T.G.Weyman Johnes (1978): Macroeconomics, Theory, Evidence and Policy, Longman, London.
11 James K. Galbrith and William Darity,Jr (1994): Macroeconomics-Houghton, Boston, USA.
12.Errol D'Souza (2008): Macroeconomics, Pearson, Singapore.
13 Andrew B. Abel and Ben S. Bernanke (2010): Macroeconomics, Pearson, New Delhi
14 Farrokh K. Langdana:(2009):Macroeconomic Policy: Demystifying Monetary and Fiscal Policy Second edition, Springer, Langdana, Farookh.
15 Olivier Blanchard (2011): Macroeconomics 4th Ed-Pearson, Singapore.
16. .M G Mueller Ed (1988): Reading in Macroeconomics. Surjeet Publications, New Delhi.
17. Samuelson and NordhausWilliam.D: Macroeconomics, TMH, New Delhi
18. Stanley Bober (1979 and Digital edition2010): Economics of Cycles and Growth,Witely, Orient Blackswan, New Delhi.
19.William. S. Brown(1988): Macroeconomics, Prentice Hall International Editions.

PROGRAMME	MASTER OF ARTS - ECONOMICS	SEMESTER	1
COURSE CODE AND TITLE	16P1ECOT03 – INDIAN ECONOMY: ISSUES AND POLICIES – I	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	Dr. Siby Abraham, Anaida Ann Jacob		

		Course Outcome	POs/PSO	CL
CO1		Understanding economic growth of the country and to analyze the contribution of each sectors to income output and employment.	PO1, PSO2	U, An
CO2		Understand the nature of economic planning, reforms initiatives and the significance of NITI Aayog in Indian economy.	PO1, PSO2	U
CO3		Understand the importance of agriculture in Indian economy and evaluate the role of the agrarian sector in the international trade.	PO1, PO2, PSO5	U, E
CO4		Identifying the role of industries in accelerating economic growth and to analyze the trends in industrial productivity.	PO1, PSO3	U, A
CO5		Understand the role played by service sector in employment generation and economic development.	PO1, PSO3	U

CL* Cognitive Level

R- Remember

U- Understand

B- Apply

An- Analyze

E- Evaluate

Cr- Create

CO - PO/PSO Mapping

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO 1	2						2			
CO 2	2						2			
CO 3	3						2			1
CO 4	3							2		
CO 5	2							2		

Mapping Strength

0. No Mapping strength
1. Low
2. Medium
3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
		MODULE I		
1	Data base of the Indian economy	PPT		CO 1
2	Economic growth in the post-independence era	PPT/Lecture	Quiz	CO 1
2	Indian Economy – emerging structure	PPT/Lecture		CO1
2	Contribution of different sectors to output, employment and income	PPT/Lecture		CO1
2	Growth across regions, state	PPT/Lecture		CO 1
2	National Income – meaning, concepts	PPT/Lecture		CO 1
2	Methodological issues in NI estimation	Lecture	Video	CO 1
1	Saving & investment – trend and pattern	Lecture		CO 1
1	Role of institutions in India's economic progress	Lecture		CO 1
1	State vs markets	PPT/Lecture		CO1
4	Planning – objectives, strategies	Lecture		CO2
2	NITI Aayog: role, functions	Lecture		CO2
4	Economic Reforms in the early 90s: LPG	Lecture	Quiz	CO2
1	Second Generation Economic Reforms	Lecture		CO2
1	Inclusive growth, recent policy initiatives	PPT/Lecture		CO2
2	India in a globalized world	PPT/Lecture		CO2
1	Revision	Lecture		
1	Question paper discussion	PPT/Lecture		
3	Seminar sessions			
		MODULE II		
2	Performance of agriculture since independence, across crops and zones	PPT/Lecture		CO 3
1	Farm Size and Productivity	Lecture		CO 3
2	Agriculture inputs, Technological Change in Agriculture.	Lecture		CO 3
2	New agricultural policy, Sustenance of Agriculture Growth	Lecture		CO 3
2	Agriculture Finance, Credit, Role of Co-operatives	PPT/Lecture	Video	CO 3
2	Agriculture Marketing, Pricing	PPT/Lecture		CO 3
1	WTO, Impact on Agriculture	PPT/Lecture		CO 3
2	Agrarian Crisis- Food Security	PPT/Lecture		CO 3
2	Terms of Trade between agriculture & industry.	Lecture		CO 3
1	CIA - 1			
1	Revision	PPT		CO3
2	Seminar session	PPT		CO3
		MODULE III		
1	Growth and pattern of industrial development	PPT/Lecture		CO4
2	Industrial stagnation – old and new	PPT/Lecture		CO4

	debates			
2	Industrial productivity	PPT/Lecture	Quiz	CO4
2	Industrial financing	Lecture		CO4
2	Industrial policies	Lecture		CO4
2	Privatization and disinvestment	PPT/Lecture	Video	CO4
2	Cottage & small-scale industries	PPT/Lecture		CO4
1	Globalization & technology transfer	Lecture		CO4
1	Special economic zones	Lecture		CO4
2	CIA - II	PPT/Lecture		
1	Question paper discussion	Lecture		
2	Seminar sessions	PPT/Lecture		
MODULE - IV				
2	Sources of service sector growth	Lecture		CO5
3	Infrastructure, physical and social: status and policies	PPT		CO5
2	Transport, Energy & Telecommunication	Lecture	Video	CO5
2	Technology, Information Technology	Lecture		CO5
1	Research & development	PPT/Lecture		CO5
2	Health and education	PPT/Lecture		CO5
2	Seminar sessions	Lecture		
1	Revision	PPT/Lecture		
Total = 90 sessions				

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or non-graded etc)	Course Outcome
1	06/10/2018	National Income Concepts: Definition, Methods, Limitations	CO1
2	27/09/2018	Trends in Agricultural Productivity in India Since Independence.	CO3

GROUP ASSIGNMENTS/ACTIVITES – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or non-graded etc)	Course Outcome
1	10/10/2018	Status of Economic and Social Infrastructure in India	CO5

References

1. Acharya Shanker, Mohan Rakesh (Eds) (2011): India's Economy: Performance and Challenges- Oxford University Press, New Delhi.

2. Agarwal A N (2017), Indian Economy: Problems of Development and Planning, Vikas Publishing House, New Delhi.

3. Ahluwalia Isher Judge (1985): 'Industrial Growth in India: Stagnation Since the Mid-Sixties'. Oxford University Press, New Delhi.

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5. C. P. Chandrasekhar, Jandhyala B. G. Tilak (2001) India's Socio-economic Database: Surveys of Selected Areas, Tulika Print Communication.

6. Chakravarty S, (1987), Development Planning: The Indian Experience, Oxford University Press, New Delhi.

7. Arvind Panagariya, (2008) India: The Emerging Giant, Oxford University Press, USA

8. Datt. R. (2001), Second Generation Economic Reforms in India, Deep and Deep Publications, New Delhi

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10. Deepak Nayyar (2013) Catch Up: Developing Countries in the World Economy, Oxford University Press, United Kingdom

11. Basu Kausihik, Martens Annemie (Eds) (2011) the New Oxford Companion to Economics in India, Oxford University Press, New Delhi

PROGRAMME	**MA ECONOMICS**	SEMESTER	1
COURSE CODE AND TITLE	**16P1ECOT04: ECONOMICS OF DEVELOPMENT AND GROWTH- I**	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	VINIL K V, SIBY ABRAHAM		

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Develops conceptual clarity on the various dimensions of development	PO1, PO3, PSO2, PSO3	E
CO 2	Enables the student to evolve new strategies for achieving sustainable development and inclusive growth	PO1, PO3, PSO2, PSO3	U
CO 3	Examines the factors which perpetuate underdevelopment in the developing countries	PO1, PO3, PSO2, PSO3	An
CO 4	Critically evaluates alternative theories of growth	PO1, PO3, PSO2, PSO3	An
CO 5	Examine the interdependence between population and development in an economy.	PO1, PO3, PSO2, PSO3	U

CL* Cognitive Level

R- Remember

U- Understand

C- Apply

An- Analyze

E- Evaluate

Cr- Create

CO - PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2		1					2	3			
CO 2	2		1					2	3			
CO 3	2		2					2	3			
CO 4	2		3					2	3			
CO 5	2		3					2	3			

Mapping Strength

0. No Mapping strength
1. Low
2. Medium
3. High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
Module I				
1-2	Economic Development and Economic Growth	Lecture	Online resource	CO 1
3-4	Perpetuation of underdevelopment-vicious circle of poverty	PPT/Lecture	Research article	CO 1
5-6	Sustainable development	PPT/Lecture		CO 1
7	Current trends in Development Economics	Lecture		CO 1
8-10	International interdependence and globalization	PPT/Lecture	Online resource	CO 1
11-12	Dimensions of development gap	Lecture		CO 1
13	Human Development Index			CO 1
14	Human Poverty Index, Multi-dimensional Poverty Index			CO 1
15	Gender related Development Indices			CO 2
16	Capability and Entitlement approach-Development as freedom			CO 2
17	Basic needs approach.			CO 2
Module II				
18	Sector thesis	Lecture		CO3
19-20	Rostow's stages of growth	PPT/Lecture		CO3
21-22	Kaldor's growth laws	PPT/Lecture	Online resource	CO3
23-24	Cumulative causation	PPT/Lecture	Research article	CO3
25-26	International inequality	PPT/Lecture	Research article	CO3
27-28	Centre-periphery thesis	PPT/Lecture		CO3
29-30	Measures of Poverty and inequality.			CO3
31	CIA I			
Module III				
32-33	Classical theories of Development	Lecture	Online resource	CO 4
34-35	Keynesian theory of development	Lecture	Research article	CO 4
36-38	Marxian Theory of development	Lecture	Online resource	CO 4
39-40	Schumpeter's Theory on development	Lecture	Research article	CO 4
Module IV				
41-43	Human capital and development	Lecture		CO 5
49-50	Population Growth and development	Lecture	Research article	CO 5
51-52	The concept of optimum population	Lecture	Online resource	CO 5
53-54	Education and investment in human capital	Lecture	Online resource	CO 5

55-56	Gender gap in development	Lecture	Research article	CO 5
57-58	Development of social and economic infrastructure	Lecture		CO 5
59-61	Strategies for improving education and employment	Lecture		CO 5
62-65	Social engineering and inclusive growth	Lecture	Research article	CO 5
66	CIA II			
67-72	Seminars			

INDIVIDUAL ASSIGNMENTS

	Topic of Assignment	Course Outcome
1	Analyse the situation of poverty and inequality in India..	CO 3
2	Examine the situation of demographic dividend in India. Suggest to measures to capture the benefits of demographic dividend.	CO5

References

1. Ray Debraj : Development Economics, Oxford, University Press 1999

2. Meier M. Gerald and Rauch: Leading issues in Economic Development Oxford University Press.(2000)

3. Thirlwall. A: Growth and Development with special Reference to developing economies Palgrave Macmillan (2009)

4. 4. Todaro M.P. D. Smith S.C : Economic development (8th Edition Person Education, Indian branch, Delhi

5. 5. Todaro M.P.: Economic development in the third Word. (4th Edition 1991) Longman, Singapore.

PROGRAMME	MA ECONOMICS	SEMESTER	1
COURSE CODE AND TITLE	16P1ECOT05 : QUANTITATIVE TOOLS FOR ECONOMIC ANALYSIS	CREDIT	4
HOURS/WEEK	5	HOURS/SEM	90
FACULTY NAME	Dr.Lakshmipriya R		

Course outcomes

	COURSE OUTCOMES	PO/ PSO	CL
CO 1	Understand Vectors, Matrices and their applications.Mathematical operations on matrices, determinants, minors, cofactors and inverse of matrices, Rank of a matrix, solution of simultaneous equations using inverse andCramer'srule. Applications of matrices in Economics	PO1,PO2, PO6, PSO1	U
CO 2	Sets, functions and continuity, sequence, series, Limit of a function, Derivative of a function, Rules of differentiation, Difference and Differential equations with Applications. Partial differentiation and its applications, first and second order partial derivates – total differentiation of functions of two independent variables - Economic applications of Partial differentiation on elasticity, demand. Maxima and minima of functions involving two variables	PO1, PSO1	A
CO 3	Lagrange multiplier method. Marginal rate of substitution.Homogeneous functions,Euler's theorem and its applications in economics.Cobb Douglas production function.	PO1, PO2, PSO1	U
CO 4	Integral calculus – rules of integration, Methods of integration- integration by substitution, integration by parts, and integration by partial fractions.Indefinite and definite integrals. Applications o f integration– derivation of revenue and cost functions from marginal functions –	PO1, PO2, PSO1	An

	consumer's and producer's surplus. Numerical integration - Trapezoidal rule, Simpson's One-third rule		
CO 5	Input –Output analysis. Linear Programming problems – formulation of LPP, Solution ofLPP using graphical and simplex method.Duality in LPP its properties and its interpretation, Applications from Economics and Finance	PO1, PO2, PO3, PO4, PO5, PSO1	U

CL* Cognitive Level

R- Remember

U- Understand

A- Apply

An- Analyze

E- Evaluate

Cr- Create

CO - PO/PSO Mapping

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
CO 1	2	3				3	3				
CO 2	2						2				
CO 3	3	3					3				
CO 4	3	3					2				
CO 5	2	3	3	3	3		3				

Mapping Strength

0. No Mapping strength

1- Low

2- Medium

3- High

SESSION	TOPIC	LEARNING RESOURCES	VALUE ADDITIONS	COURSE OUTCOME
1	Bridge course (1)	PPT	video	CO 1
2	Introduction to Matrices	PPT/Lecture		CO 1
3	Different types of matrices and their properties	PPT/Lecture		CO 1
4	Problems	PPT/Lecture	e-resource	CO 1
5	Mathematical Operations on matrices	PPT/Lecture		CO 1
6	Mathematical Operations on matrices	PPT/Lecture		CO 1
7	Problems	Lecture		CO 1
8	Determinants of a matrix and problems	Lecture		CO 1
9	Minors and cofactors of a matrix	Lecture		CO 1
10	Inverse of a matrix and problems	Lecture		CO 1
11	Rank of a matrix	PPT/Lecture		CO 1
12	Problems	PPT/Lecture		CO 1
13	Solution of system of equations using invers matrix method and problems	PPT/Lecture		CO 1
14	Crammer's rule			
	Problems			
15	Introduction to differentiation	PPT/Lecture		CO 2
16	Application of differentiation in Economic theory	Lecture		CO 2
17	Problems	Lecture		CO 2
18	Price elasticity of demand	Lecture		CO 2
19	Problems	Lecture		CO 2
20	Relationship between MR, AR and Elasticity of demand	PPT/Lecture		CO 2
21	AC, MC and Elasticity of demand	PPT/Lecture		CO 2
22	Problems	PPT/Lecture		CO 2
23	Marginal propensity to consume and save	PPT/Lecture		CO 2
24	Maximum and minimum of a function	Lecture		CO 2
25	Questions	Lecture		CO 2
26	Partial derivatives			
27	Problems	Lecture		CO 2
28	Higher order partial derivatives and examples	Lecture		CO 2
29	Marginal utility	PPT/Lecture		CO 2
30	Marginal Productivity	PPT/Lecture		CO2
31	Partial elasticity	PPT/Lecture		CO 2
32	Marginal rate of substitution			
	Problems			
33	Lagrange's Method	PPT/Lecture		CO 3

34	Homogeneous function	PPT/Lecture		CO 3
35	Cobb – Douglas production function	PPT/Lecture		CO 3
36	Integration Introduction	Lecture	Quiz	CO 4
37	Fundamental rules of integration	Lecture	Q & Ans Session	CO 4
38	Standard integration problems	PPT/Lecture		CO 4
39	Method of substitution	PPT/Lecture		CO 4
40	Problems	PPT/Lecture		CO 4
41	Integration by method of parts	PPT/Lecture		CO 4
42	Problems	Lecture		CO 4
43	Integration by partial fractions	PPT/Lecture		CO 4
44	Problems	PPT/Lecture		CO 4
45	Definite integrals	PPT/Lecture		CO 4
46	Problems	PPT/Lecture		CO 4
47	Application of integration in Economics	PPT/Lecture		CO 4
48	Derivation of TR function from MR function	PPT/Lecture		CO 4
49	Problems	PPT/Lecture		CO 4
50	Derivation of TC function from MC function	PPT/Lecture		CO 4
51	Problems	PPT/Lecture		CO 4
52	Estimation of consumer's surplus	PPT/Lecture	Video	CO 4
53	Estimation of producer'	PPT/Lecture		CO 4
54	Problems	PPT/Lecture		CO 4
55	Trapezoidal rule , Problem			
	Simplson's one third rule , Problem			
56	Introduction to Linear Programming problem	Lecture	Debate	CO 5
57	Graphical method for solving LPP	PPT/Lecture		CO 5
58	Questions	PPT/Lecture		CO 5
59	Simplex method	PPT/Lecture		CO 5
60	Problem solving	PPT/Lecture		CO 5
61	Dual , Duality theorem	PPT/Lecture		CO 5
62	Input Output Analysis	PPT/Lecture		CO 5
63 – 90	Revision			

ASSIGNMENTS

INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

Sl. No	Module	Topic	Nature of Assignment	POs, PSOs and COs
1	1	Problems on Matrices	Moodle	PSO1/CO1
2	2,3	Problems based on differential and integral calculus	written	PSO1/CO2.CO3
3	4	Problems based on Linear programming problems	written	PSO1/CO4
4		Question paper answering	written	PSO1/CO1,CO2,CO3,CO4

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 Patton Paul : Essential Mathematical Economicsand Business, 2nd edition , Wiley India
- Geoff Renshaw : Maths for Economics, 2nd Edition , Oxford university Press 2009
- P K Gupta, Manmohan and Kanti Swarup : Operations Research , S Chand and Company