

**Sacred Heart College (Autonomous)**

**Department of Economics**

**Course plan**

**BACHELOR OF ARTS - ECONOMICS**

**Academic Year: 2015 - 16**

**Semester V**

<b>PROGRAMME</b>	<b>BA ECONOMICS</b>	<b>SEMESTER</b>	<b>5</b>
<b>COURSE TITLE</b>	<b>QUANTITATIVE TECHNIQUES FOR ECONOMIC ANALYSIS</b>	<b>CREDIT</b>	<b>5</b>
<b>HOURS/WEEK</b>	<b>6</b>	<b>HOURS/SEM</b>	<b>108</b>
<b>FACULTY NAME</b>	<b>Dr. K V Raju</b>		

<b>COURSE OBJECTIVE</b>
Helps understand the role of statistics in economic analysis
Students will be able to identify, explain, and use economic concepts, theories, models, and data-analytic techniques.
Students will acquire the knowledge of economics, mathematics, statistics, and computing flexibly in a variety of contexts thereby providing the foundation for success in their studies and careers.
Students will develop the skills to measure and analyze statistical data in order to draw conclusions about various economic problems.
Students will develop the necessary skills for preparing questionnaires, collection and classification of data and presentation in charts and graphs.
Students will acquire the skills to deliver effective presentations in which they combine visual communication design with oral arguments and/or the written word.

<b>SESSION</b>	<b>TOPIC</b>	<b>LEARNING RESOURCES</b>	<b>VALUE ADDITIONS</b>	<b>REMARKS</b>
<b>MODULE I</b>				
1.	Introductory session	Lecture		
2.	Introduction to statistics	Lecture / power point	Q & A Session	
3.	Statistics in singular sense	Lecture / power point		
4.	Statistics in plural sense	Lecture / power point		
5.	Role of statistics in economics	Lecture / power point		
6.	Role of statistics in economics	Lecture / power point		
7.	Functions of statistics	Lecture / power point		
8.	Limitations of statistics	Lecture / power point		
9.	Statistical data	Lecture / power point		
10.	Primary and secondary data	Lecture / power point		
11.	Census method and sampling method	Lecture / power point		

12.	Methods of primary data collection	Lecture / power point		
13.	Methods of primary data collection	Lecture / power point		
14.	Methods of primary data collection	Lecture / power point		
15.	Sampling techniques	Lecture / power point	Quiz	
16.	Random sampling	Lecture / power point		
17.	Random sampling	Lecture / power point		
18.	Non random sampling	Lecture / power point		
19.	Non random sampling	Lecture / power point		
20.	Sample designs	Lecture / power point		
21.	Preparation of questionnaire	Lecture / power point		
22.	Classification of data	Lecture / power point		
23.	Individual , discrete and continuous series	Lecture / power point		
24.	Construction of frequency tables	Lecture/ problem solving		
25.	Construction of frequency tables	Lecture/ problem solving		
26.	Less than frequency tables	Lecture/ problem solving		
27.	More than frequency tables	Lecture/ problem solving		
28.	Tabulation of data	Lecture/ problem solving		
29.	Parts of table	Lecture/ problem solving		
30.	Presentation of data	Lecture/ problem solving		
31.	Bar diagram –simple, component, multiple	Lecture/ problem solving		
32.	Pie diagram, area charts, deviation chart	Lecture/ problem solving		
33.	Histogram	Lecture/ problem solving		
34.	Frequency curve and frequency polygon	Lecture/ problem solving		
35.	Less than ogives	Lecture/ problem solving		
36.	More than ogives	Lecture/ problem solving		
37.	Revision			
38.	Revision			

39.	Seminar			
40.	Seminar			
41.	Introduction to index numbers	Lecture/ problem solving	Q & A Session	
42.	Classification of index numbers	Lecture/ problem solving		
43.	Importance of index numbers	Lecture/ problem solving		
44.	Problems in the construction of index numbers	Lecture/ problem solving		
45.	Unweighted index numbers-simple aggregative method	Lecture/ problem solving		
46.	Average of price relative method	Lecture/ problem solving		
47.	Weighted index numbers-Laspeyre's method	Lecture/ problem solving		
48.	Paasche's method	Lecture/ problem solving		
49.	Fisher's ideal method	Lecture/ problem solving		
50.	Marshall- edgeworth method	Lecture/ problem solving		
51.	Weighted index numbers- problems	Lecture/ problem solving		
52.	Weighted index numbers- problems	Lecture/ problem solving		
53.	Tests of index number-time reversal test	Lecture/ problem solving		
54.	Factor reversal test	Lecture/ problem solving		
55.	Chain base index numbers	Lecture/ problem solving		
56.	Consumer price index numbers	Lecture/ problem solving		
57.	Construction of consumer price index	Lecture/ problem solving		
58.	Aggregate expenditure method	Lecture/ problem solving		
59.	Family budget method	Lecture/ problem solving		
60.	Limitations of index numbers	Lecture/ problem solving		
61.	Introduction to time series analysis	Lecture/ problem solving		
62.	Uses of time series analysis	Lecture/ problem solving		
63.	Components of time series	Lecture/ problem solving		
64.	Components of time series	Lecture/ problem solving		
65.	Measurement of trend- free hand method	Lecture/ problem solving		

66.	Free hand method	Lecture/ problem solving		
67.	Method of semi averages	Lecture/ problem solving		
68.	Method of semi averages	Lecture/ problem solving		
69.	Method of moving averages	Lecture/ problem solving		
70.	Method of moving averages	Lecture/ problem solving		
71.	Method of least squares	Lecture/ problem solving		
72.	Method of least squares	Lecture/ problem solving		
73.	Revision			
74.	Basic mathematics for economics	Lecture/ problem solving		
75.	Variables, constants and parameters	Lecture/ problem solving		
76.	Degree of equations	Lecture/ problem solving		
77.	Simultaneous equations	Lecture/ problem solving		
78.	Simple simultaneous equations	Lecture/ problem solving		
79.	Simple simultaneous equations	Lecture/ problem solving		
80.	Quadratic equations	Lecture/ problem solving		
81.	The real number system- natural numbers and integers	Lecture/ problem solving		
82.	Rational numbers, irrational numbers and real numbers	Lecture/ problem solving		
83.	Properties of real numbers, complex numbers	Lecture/ problem solving		
84.	Sequences-finite and infinite sequences	Lecture/ problem solving		
85.	Arithmetic progression- problems	Lecture/ problem solving		
86.	Geometric progressions	Lecture/ problem solving		
87.	Elementary set theory-introduction	Lecture/ problem solving		
88.	Methods of representing sets	Lecture/ problem solving		
89.	Methods of representing sets	Lecture/ problem solving		
90.	Forms of sets	Lecture/ problem solving		
91.	Forms of sets	Lecture/ problem solving		

92.	Venn diagrams	Lecture/ problem solving		
93.	Set operations-union and intersection	Lecture/ problem solving		
94.	Difference of sets and complementation of sets	Lecture/ problem solving		
95.	Laws of set operations	Lecture/ problem solving		
96.	Laws of set operations	Lecture/ problem solving		
97.	Ordered pairs and Cartesian products	Lecture/ problem solving		
98.	Relation in set theory	Lecture/ problem solving		
99.	Types of functions	Lecture/ problem solving		
100.	Mathematical Applications in economics	Lecture/ problem solving		
101.	Mathematical Applications in economics	Lecture/ problem solving		
102.	Introduction to matrices	Lecture/ problem solving		
103.	Types of matrices	Lecture/ problem solving		
104.	revision			
105.	revision			
106.	seminar			
107.	seminar			
108.	seminar			

### INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)
1	20/06/2015	FUNCTIONS AND LIMITATIONS OF STATISTICS
2	27/09/2015	SET OPERATIONS

### REFERENCES

1. Chiang A C (2005), fundamental methods of mathematical economics, McGraw Hill
2. Gupta S, Statistical Methods, Sultan Chand & sons, New Delhi
3. Thomas P M ,Quantitative economics, Chinnu publications, Kottayam.

<b>PROGRAM</b>	<b>BACHELOR OF ARTS ECONOMICS</b>	<b>SEMESTER</b>	<b>5</b>
<b>COURSE TITLE</b>	<b>PRINCIPLES OF MACRO ECONOMICS</b>	<b>CREDIT</b>	<b>4</b>
<b>HOURS / WEEK</b>	<b>5</b>	<b>HOURS/SEM</b>	<b>85</b>
<b>FACULTY NAME</b>	<b>MADHUSUDHANAN NAIR M S</b>		

<b>COURSE OBJECTIVES</b>
Explains the National Income concepts and measurement of National Income
Analyses the circular flow model
Evaluates the contributions of classical economists in macro economics
Compares the principles of Keynesian economics with classical theory
Demonstrate the Keynesian model of income determination
Analyses the determinants of consumption saving and Investment

<b>Sessions</b>	<b>Topic</b>	<b>Learning resource</b>	<b>Value additions</b>	<b>Remarks</b>
<b>MODULE I</b>				
1	Main issues in Macro Economics	Discussion	Q & A Session	
2	Micro vs Macro economics	Discussion + QA session		
3	statics	Discussion		
4	dynamics	Discussion		
5	Comparative statics	Discussion + Lecture		
6	Circular flow – two sector	PPT + lecture		
7	Circular flow extended- 3& 4 sectors	PPT + lectue		
8	Stock and flow variables	Lecture		
9	Endogeneous and exogeneous variables	Discussion		
10	Macro economic Models	Lecture		
11	Identities and equations	Presentation		

12	National income definition importance	Discussion		
13	Concepts	Discussion	Quiz	
14	Measurement of NI	Discussion + Lecture		
15	Value added method	Discussion + Lecture		
16	Income method	Discussion + Lecture		
17	Expenditure method	Discussion + Lecture		
18	Social accounting method	Discussion + Lecture		
19	Limitations -NI accounting	Discussion + Lecture		
20	Real vs Nominal GNP	Discussion + Lecture		
21	Actual GNP vs Potential GNP	Discussion + Lecture		
22	Environmental Concerns-EDP	PPT + Lecture		
23	Green GNP	PPT + Lecture		
24	Net economic welfare	Discussion		
<b>MODULE II</b>				
25	Classical Macro Economics	Discussion	Q & A Session	
26	Main principles	Discussion		
27	Says Law	Discussion		
28	Says Law in barter and money economies	Discussion		
<b>CIA I</b>				
29	Classical theory- without S & I	PPT lecture		
30	Classical theory- with S & I	Discussion		
31	Introduction of money & Prices	Discussion	Quiz	
32	The complete classical model	PPT + Lecture		
33	Keynesian attack on classicism	Discussion		



34	Wage cut solution- Pigou effect	Discussion		
35	Keynesian Revolution	Discussion		
36	Keynes approach	discussion		
37	The new Economics	Lecture		
38	Keynesian Tools	Lecture		
39	Keynesian theory of employment	PPT + Lecture		
40	ASF ADF and Effective demand	PPT + Lecture		
41	Consumption function	PPT		
42	Psychological law of consumption	Discussion		
43	MPC APC, MPS, APS	Discussion		
44	Autonomous consumption and induced consumption	Lecture		
45	Technical attributes of consumption	Discussion		
46	Graphical illustration consumption function	PPT		
47	Algebraic treatment	Presentation	Quiz	
48	Numerical examples- problems	presentation		
49	Equilibrium level of income-two sector model	Presentation		
50	Three sector model	Presentation		
51	Four sector model	Presentation		
<b>MODULE III</b>				
52	AIH- Keynes	Discussion		
53	PIH- Friedman	Discussion		
54	RIH- Duesenberry	Discussion		
55	Life Cycle thesis- Modigliani	Discussion		
56	Investment Function	Presentation		
57	Autonomous and Induced investment	Discussion		
58	Gross vs Net investment	Discussion		
59	Residential- inventory investments	discussion		
60	Planned and unplanned investments	Discussion		

61	Importance of investment	Discussion		
<b>CIA II</b>				
62	Determination of investment	Discussion		
63	MEC	discussion		
64	Measurement of MEC	Lecture		
65	Investment demand Schedule	presentation		
66	Shift in MEC	Discussion		
67	MEI	Presentation		
<b>MODULE IV</b>				
68	Theories of investment	Discussion		
69	Classical theory of investment	Discussion		
70	Keynesian theory of investment	Discussion		
71	Savings function	Presentation		
72	Determinants of Investment	Presentation		
73	Investment demand	Lecture		
74	Savings function	Lecture		
75	S, I equilibrium	Presentation		
76	Equilibrium interest rate	Presentation		
77	MEC and Investment			
78	MEI and MEC			
79	Seminar	Student presentation		
80	Seminar	Student presentation		
81	Seminar	Student presentation		
82	Seminar	Student presentation		
83	Seminar	Student presentation		
84	Revision	question answer Session		

85	Revision	QA session		
86	Revision	QA session		
87	Revision	QA session		
88	Revision	QA session		
89	Revision	QA session		
90	Concluding session, discussion of previous questions	Discussion		

#### **INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines**

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)
1	12/07/2015	Compare different methods of estimating national income
2	25/07/2015	Explain the four sector model of circular flow

#### **GROUP ASSIGNMENTS/ACTIVITIES – Details & Guidelines**

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)
1	20/09/2015	One Topic for a group of 4 students

#### **ASSIGNMENTS**

	Date of submission/completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)
1	July Second week	July third week
2	September first week	Sep. 3 <sup>rd</sup> week

#### **Basic References**

1. N.Gregory Mankiw(recent edition),Macro Economics,Worth Publications, NewYork
2. Richard T. Froyen (recent edition), Macro Economics - Theories and Policies, Pearson Education.
3. Lipsey R.G and K.A Christ al (1999) “Principles of Economics” 9<sup>th</sup> Ed. Oxford UniversityPress.
4. Branson,W.A(1989),“Macroeconomics:TheoryandPolicy”,3<sup>rd</sup>Ed.Harper and Harper and Row, NewYork
5. Eugene Diulio (2004), Macro Economics – Schaum’s Outline Series, Tata McGraw Hill, NewDelhi.
6. Shapiro, Edward (1982), Macro Economic Analysis, Galgotia Publications

(reprint edition)

7. Sampat Mukerjee (2008), Analytical Macro Economics: From Keynes to Mankiw, New Central Book Agency, Calcutta.
8. Andrew B. Abel (2011), Macro Economics, Pearson, Delhi.

#### Additional Reading

1. H L Ahuja – Macro Economic analysis
2. D N Dwivedi – Macro Economics

<b>PROGRAMME</b>	<b>BA ECONOMICS</b>	<b>SEMESTER</b>	<b>5</b>
<b>COURSE TITLE</b>	<b>INDIAN ECONOMY</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 OBJECTIVE</b>
Gather knowledge about Indian economy before independence
Examine the demographic situation of the Indian Economy
Analyse the planning process in India
Develops knowledge about national income estimation of the country
Evaluates the development issues of the Indian economy

<b>SESSION</b>	<b>TOPIC</b>	<b>LEARNING RESOURCES</b>	<b>VALUE ADDITIONS</b>	<b>REMARKS</b>
<b>MODULE I: Indian Economy before Independence</b>				
1	Structure of the Indian economy before the colonial period	Lecture	Printed notes	
2	Villages and towns	PPT/Lecture	Printed notes	
3-4	Industries and handicrafts	PPT/Lecture	Printed notes	
5	Indian economy during the colonial period	Lecture	Printed notes	
6	Land tenure system	PPT/Lecture	Printed notes	
7	Economic consequences of British rule	Lecture	Printed notes	
8	Drain of wealth	Lecture	Printed notes	
9-10	Impact on Agriculture	PPT/Lecture	Printed notes	
11-12	Impact on industry	PPT/Lecture	Printed notes	
<b>MODULE II: Demographic Features</b>				
10	Theory of demographic transition	Lecture	Printed notes	
11-13	Demographic features of India	PPT/Lecture	Printed notes	
14	Population size and structure	PPT/Lecture	Printed notes	
15	Gender and age characteristics	PPT/Lecture	Printed notes	
16	Rural – urban migrations		Printed notes	
17	Occupational distribution	PPT/Lecture	Printed notes	
18	Problems of over population	Lecture	Printed notes	
19	Population dividend	Lecture	Printed notes	
20-23	National population policy 2000	Lecture	Printed notes	
24-26	Gender inequality	Lecture	Printed notes	
27-30	Women empowerment	PPT/Lecture	Printed notes	
31	CIA I			
<b>Module III – Planning and reforms in Indian economy</b>				
32	Objectives of planning	PPT/Lecture	Printed notes	

33-35	Achievements and Failures	PPT/Lecture	Printed notes	
36	Inclusive growth	PPT/Lecture	Printed notes	
37	NITI Aayog	Lecture	Printed notes	
38	New Economic Reforms	Lecture	Printed notes	
39	rationale behind economic reforms	Lecture	Printed notes	
40	Liberalization - Advantages and drawbacks	Lecture	Printed notes	
41	Privatization - Advantages and drawbacks	PPT/Lecture	Printed notes	
42	Globalization - Advantages and drawbacks	PPT/Lecture	Printed notes	
43-45	Disinvestment of PSUs	PPT/Lecture	Printed notes	
46-48	India as an emerging economy.		Printed notes	
<b>Module IV- National Income and Development Issues</b>				
49	Trends in India's National Income	PPT/Lecture	Printed notes	
50	Magnitude of poverty and inequality in India	PPT/Lecture	Printed notes	
51	Unemployment	PPT/Lecture	Printed notes	
52	Black money and corruption	Lecture	Printed notes	
53	Cyber crimes	Lecture	Printed notes	
54-55	Rising prices	PPT/Lecture	Printed notes	
56-57	Energy crisis	PPT/Lecture	Printed notes	
58	Micro finance and its significance	PPT/Lecture	Printed notes	
59	Role of infrastructure	PPT/Lecture	Printed notes	
60 - 69	Seminar			
70	CIA II			
71-90	Revision			

### INDIVIDUAL ASSIGNMENTS

	Date of completion	Topic of Assignment
1	02/10/2015	Analyse the demographic situation of India in the light of economic review 2019 and recommend action plan for the same
2	28/10/2015	Evaluate the method of national income calculation in India and describe the advantages and disadvantages of the same.

### References

1. Gaurav Datt & Ashwani Mahajan (recent edition)
2. Misra and Puri (recent edition), Indian Economy- Himalaya Publishing House, Mumbai
3. A.N Agrawal (recent edition), Indian Economy, New Age International, New Delhi
4. Datt & Sundharam Indian Economy, S. Chand & Co., New Delhi

<b>PROGRAMME</b>	<b>BA ECONOMICS</b>	<b>SEMESTER</b>	<b>5</b>
<b>COURSE TITLE</b>	<b>FOUNDATIONS OF ENVIRONMENTAL ECONOMICS</b>	<b>CREDIT</b>	<b>3</b>
<b>HOURS/WEEK</b>	<b>4</b>	<b>HOURS/SEM</b>	<b>72</b>
<b>FACULTY NAME</b>	<b>P E CHERIAN</b>		

<b>Course Objective</b>
Analyses the economy-environment interactions
Examines the importance of eco system and bio diversity from economic point of view
Analyses the environmental degradation from mark failure point of view
Explain the valuation of environmental damages

<b>SESSION</b>	<b>TOPIC</b>	<b>LEARNING RESOURCES</b>	<b>VALUE ADDITIONS</b>	<b>REMARKS</b>
<b>MODULE I</b>				
1.	Introduction to environmental economics.	Lecture/ PPT	Q & A Session	
2.	Definition and scope of economics	Lecture/ PPT		
3.	Definition and scope of economics	Lecture/ PPT		
4.	Economy- environmental linkage	Lecture/ PPT		
5.	Economy- environmental linkage	Lecture/ PPT		
6.	Problems of environment-ozone depletion	Lecture/ PPT		
7.	Deforestation	Lecture/ PPT		
8.	Pollution	Lecture/ PPT	Quiz	
9.	Pollution	Lecture/ PPT		
10.	Acid rain	Lecture/ PPT		
11.	Desertification	Lecture/ PPT		
12.	Waste disposal- problems	Lecture/ PPT	Quiz	
13.	Climate change	Lecture/ PPT		
14.	Greenhouse gas effect	Lecture/ PPT		
15.	Environment as a necessity and luxury	Lecture/ PPT		
16.	Economics of sustainable development	Lecture/ PPT		
17.	Indicators of sustainable development	Lecture/ PPT		
18.	Measures of sustainable development	Lecture/ PPT		
19.	Components of sustainable development	Lecture/ PPT		
20.	Resource economics	Lecture/ PPT		
21.	Renewable resource	Lecture/ PPT	Q & A Session	
22.	Non-renewable resources	Lecture/ PPT		
23.	Revision	Lecture/ PPT		
24.	Seminar	Lecture/ PPT		

25.	Seminar	Lecture/ PPT		
26.	Seminar	Lecture/ PPT		
27.	Introduction to eco system	Lecture/ PPT	Q & A Session	
28.	Biodiversity concept of eco system	Lecture/ PPT		
29.	Producers, consumers and decomposers	Lecture/ PPT		
30.	Food chains and food webs	Lecture/ PPT		
31.	Bio diversity meaning and importance	Lecture/ PPT		
32.	Value of biodiversity	Lecture/ PPT		
33.	Threats to biodiversity	Lecture/ PPT		
34.	Endangered species in India	Lecture/ PPT		
35.	Endemic species in India	Lecture/ PPT		
36.	Seminar	Lecture/ PPT		
37.	Market failure	Lecture/ PPT	Quiz	
38.	Market failure for environmental goods	Lecture/ PPT		
39.	Socially optimal level of pollution	Lecture/ PPT		
40.	Socially optimal level of pollution	Lecture/ PPT		
41.	Privately optimal level of pollution	Lecture/ PPT		
42.	Property rights approach	Lecture/ PPT		
43.	Property rights approach to environmental problems	Lecture/ PPT		
44.	Coase theorem	Lecture/ PPT		
45.	Externalities	Lecture/ PPT		
46.	Positive externalities	Lecture/ PPT		
47.	Negative externalities	Lecture/ PPT		
48.	Revision	Lecture/ PPT		
49.	Seminar	Lecture/ PPT		
50.	Seminar	Lecture/ PPT		
51.	Valuation of environment	Lecture/ PPT	Quiz	
52.	Travel cost method	Lecture/ PPT		
53.	Hedonic price method	Lecture/ PPT		
54.	Contingency method	Lecture/ PPT		
55.	Benefit transfer method	Lecture/ PPT		
56.	Choice modelling	Lecture/ PPT		
57.	Green accounting	Lecture/ PPT		
58.	Environmental management	Lecture/ PPT		
59.	Environmental movements	Lecture/ PPT		
60.	Environmental movements	Lecture/ PPT		
61.	Environmental movements	Lecture/ PPT		
62.	Environmental policy in India	Lecture/ PPT		
63.	Environmental policy in India	Lecture/ PPT		
64.	Environmental education in India	Lecture/ PPT		
65.	Environmental education in India	Lecture/ PPT		
66.	Revision			
67.	Revision			
68.	Revision			



69.	Seminar			
70.	Seminar			
71.	Seminar			
72.	seminar			

### **INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines**

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or Non-graded etc)
1	17/07/2015	Economy-environmental interlinkage
2	14/09/2015	Valuation of environment

#### *Reference*

1. Rbindra N Bhattacharya 2007, Environmental Economics an Indian Perspective, OUP, New Delhi. Ch.1, 4
2. Katar Singh and Anil Shishodia, 2007, Environmental Economics Theory and Practice, Sage Publications, New Delhi. Ch. 1, 2, 3, 4, 5 and 6
3. Charles D Kolstad, 2006, Environmental Economics, OUP, New York. Ch.1, 3 to 7 and 15
4. Daniel D Chiras, 1998, Environmental Science, 5<sup>th</sup> edn., Wadsworth Publishing Company, New York. Ch. 5 to 8
5. Matthew Edel, 1973, Economics and the Environment, Prentice Hall, New Jersey, Ch.1.
6. Nirmal Chandra Sahu and Anitha Kumari Choudhury, 2005, Dimensions of Environmental and Ecological Economics, University Press, Hyderabad. Articles. 1, 2, 4, 5, 14, 17 to 19.
8. Paul Aekins, 2000, Economic Growth and Environmental Sustainability, Routledge, London. Ch.2, 5 and 6.
9. Roger Pearman, et al., 1999, Natural Resources and Environmental Economics, Pearson Education, Limited Edin. Borough Gate, U.K. Ch. 1 and 4 to 6, 11, 12, 14 to 17.
10. Sharma P.D, (2002-03), Ecology and Environment, Rastogi Publications, Meerut. Ch. 10.
11. World Development Report 2003, Sustainable Development in a Dynamic World.

<b>PROGRAMME</b>	<b>BA ECONOMICS</b>	<b>SEMESTER</b>	<b>5</b>
<b>COURSE TITLE</b>	<b>ECONOMICS OF FINANCIAL MARKETS</b>	<b>CREDIT</b>	<b>4</b>
<b>HOURS/WEEK</b>	<b>4</b>	<b>HOURS/SEM</b>	<b>90</b>
<b>FACULTY NAME</b>	<b>DR. SIBY ABRAHAM</b>		

<b>Course Objective</b>
Understand the basics of Indian financial system and the functioning of Indian money market and capital market.
Understand the importance of the financial system in directing the use of scarce capital.
Evaluate the use of major instruments and components of money market and capital market
Develop knowledge and familiarity with internet-based trade and transactions
Apply knowledge of financial market in day-to-day transactions and investment decisions.

<b>SESSION</b>	<b>TOPIC</b>	<b>LEARNING RESOURCES</b>	<b>VALUE ADDITIONS</b>	<b>REMARKS</b>
<b>MODULE I</b>				
1	Introduction to the syllabus	PPT		
2	Financial Institutions	PPT/Lecture	Quiz	
2	Monetary (banking) financial intermediaries	PPT/Lecture		
2	Non-monetary financial intermediaries	PPT/Lecture		
2	Insurance companies	PPT/Lecture		
1	Pension funds and provident funds	PPT/Lecture		
2	Mutual funds	Lecture	Video	
1	Investment banks	Lecture		
1	Unit trusts	Lecture		
1	Asset Management Companies	Lecture		
2	Venture capital funds	PPT/Lecture		
1	Primary and secondary securities	PPT/Lecture		
1	Gilt-edged securities	PPT/Lecture		
1	Revision			
<b>MODULE II</b>				
1	Financial market - introduction	PPT/Lecture		
2	Money Market	Lecture		
3	Capital market	Lecture	Quiz	
2	Developed and underdeveloped money markets	Lecture		
1	Advantages of developed money market	Lecture		
1	London and New York money market	PPT/Lecture	Video	
3	Major financial instruments in the money markets	PPT/Lecture		
2	Money market in India	PPT/Lecture		
2	Rural money market in India	PPT/Lecture		

2	Role of RBI in Indian money market.	Lecture		
1	Role of DFHI in Indian money market.	Lecture		
1	CIA-1			
1	Revision	Q&A, Disc.		
3	Seminar sessions			
<b>MODULE III</b>				
1	Capital market-meaning and composition	PPT/Lecture		
2	Primary and secondary market	PPT/Lecture		
3	Financial instruments in the capital market – intro.	PPT/Lecture	Quiz	
2	Equity shares and preference shares	Lecture		
1	Debentures and bonds	Lecture		
1	G.D. Rs and A.D. Rs	PPT/Lecture		
1	DFIs and FIIs-QIBs	PPT/Lecture		
2	Primary market - Institutions in the primary market	PPT/Lecture		
2	Underwriters, merchant bankers and managers to issue	Lecture		
2	IPOs & FPOs	PPT/Lecture		
1	Book building process	Lecture		
1	Rights shares and bonus shares	Lecture		
1	Listing of securities	PPT/Lecture		
1	Private placements and ESOPs	PPT/Lecture		
1	Physical shares and demat shares	PPT/Lecture		
1	Depository participants-NSDL and CSDL	PPT/Lecture		
2	Role of SEBI in Indian capital market	PPT/Lecture		
	CIA - II			
	Seminar session			
<b>MODULE - IV</b>				
1	Stock exchanges - introduction	Lecture	Video	
2	Stock exchanges in India: BSE, NSE	Lecture		
2	Auction trading and screen-based trading system	Lecture	Video	
2	Stock indices in India: Sensex, Nifty	Lecture		
2	Stock indices abroad: Dow Jones, NASDAQ, FTSE and Nikkei	PPT/Lecture		
1	Kerb trading	PPT/Lecture		
2	Stock split	PPT/Lecture		
2	Derivatives: option trading, stock futures	PPT/Lecture		
1	Exchange Traded Funds (ETF)	PPT		
1	Credit rating institutions in India: CRISIL, ICRA, CARE	Lecture		
2	Seminar sessions			
1	Revision			
1	Previous question paper discussion			

Total Sessions - 90				
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### **INDIVIDUAL ASSIGNMENTS/SEMINAR – Details & Guidelines**

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or non-graded etc)
1	04/10/2015	Money Market and Capital Market Instruments
2	28/10/2015	Monetary & Non-monetary Financial Intermediaries

### **GROUP ASSIGNMENTS/ACTIVITIES – Details & Guidelines**

	Date of completion	Topic of Assignment & Nature of assignment (Individual/Group – Written/Presentation – Graded or non-graded etc)
1	02/09/2015	Role and Functions of Credit Rating Institutions in India

### **References**

1. S.B. Gupta (2001). Monetary Economics: Institutions, Theory and Policy, S. Chand & Co, New Delhi, Part I
2. L.M. Bhole (recent edition). Financial Institutions and Markets, Tata McGraw Hill, New Delhi
3. V.A. Avadhani, Investment and Securities Market in India, Himalaya Publishing House, Bombay (recent edition)
4. Zvi Bodie, Robert C Merton et al. (2009), Financial Economics, Pearson Education (Ch.1 (1.1, 1.2), Ch.2 (2.1, 2.5, 2.7) only.
5. M.Y. Khan (recent edition) Indian Financial System, Tata McGraw Hill, New Delhi.