

Programme Structure & Syllabus

Pre-Ph.D. Course Work

Department of Economics Central University of Rajasthan

S.No.	Type of Course	Course Code	Course Title	Credit				
1	С	ECO701	Fundamental Of Economics	3				
2	С	ECO702	Research Methodology	4				
3	С	ECO703	Research and Publication Ethics (RPE)	2				
4	С	EDU705	Pedagogy for Higher Education	3				
5	AECC	ECO 704	Practice Based Teaching Skills	3				
6	Е	Elective		3				
3	LIST OF ELECTIVE COURSES							
	(i)	ECO705	Agriculture And Rural Economics	3				
	(ii)	ECO706	Economics Of Infrastructure And Development	3				
	(iii)	ECO707	Environmental And Resource Economics	3				
	(iv)	ECO708	Financial Economics	3				
	(v)	ECO709	Gender Economics	3				
	(vi)	ECO710	Health Economics	3				
	(vii)	ECO711	International Economics And Policy	3				
	(viii)	ECO712	Poverty, Inequalities And Unemployment	3				
	(ix)	ECO713	Public Finance And Policy	3				
	(x)	ECO714	Regional Economic Analysis	3				

Programme Outcome:

- 1. To develop a sophisticated understanding of the theoretical, analytical, and methodological approaches used within the discipline of economics and related fields
- 2. To apply economic analysis to everyday problems in real world situations, to understand current events and evaluate specific policy proposals.
- 3. To understand how to use empirical evidence to evaluate the validity of an economic argument
- 4. To use econometric methodology, interpret results of econometric models and conduct appropriate statistical analysis of data to answer a research question.
- 5. To contribute to the intellectual community and be able to critically analyze and evaluate one's own, as well as others' findings and give effective and constructive feedback to others.
- 6. To communicate effectively in written, oral and graphical form about specific issues and to formulate well-organized written arguments that state assumptions and hypotheses supported by evidence.

Central University of Rajasthan

Implementing NEP 2020

New Proposed Framework for PhD Coursework

Extract from NEP 2020

https://www.education.gov.in/sites/upload_files/mhrd/files/NEP_Final_English_0.pdf

"15.9. All fresh PhD entrants, irrespective of discipline, will be required to take credit-based courses in teaching/education/pedagogy/writing related to their chosen PhD subject during their doctoral training period. Exposure to pedagogical practices, designing curriculum, credible evaluation systems, communication, and so on will be ensured since many research scholars will go on to become faculty or public representatives/communicators of their chosen disciplines. PhD students will also have a minimum number of hours of actual teaching experience gathered through teaching assistantships and other means. PhD programmes at universities around the country will be reoriented for this purpose."

In order to implement the NEP2020 and the UGC circular to incorporate a two credits course Research and Publication Ethics (RPE) a framework for the compulsory courses for the PhD programmes of all disciplines is proposed as under:

S.	Compulsory Courses	Credits	Norms	Remarks
No.				
Kno	wledge Domain, Research Aptitude a	nd Public	eation Ethics	
1.	Research Methodology (Compulsory Course to be offered through SWAYAM/NPTEL or by respective Schools) may be Common to All Discipline Specific Course(s) as may	4 6-8	Ordinance 09 Ordinance 09	Courses to be completed as per the provisions of the ordinance 9 clause 2.iii
	be recommended by the DRC and approved by the BoS/SB and AC			
3.	Research and Publication Ethics (RPE). (The detailed curriculum is given by the UGC vide circular in August 2019 and and also accepted by the Univ)	2	Ordinance 09 and UGC directives	This course may be completed with the PhD coursework preferably in the first two semester but not later than the maximum of 4 semesters as per provisions of the ordinance 9 clause 2.iii
Tea	ching / Pedagogy Domain for Profes	sional de	velopment*	
1.	Pedagogy for Higher Education (The School of Education will facilitate this course with the help of internal faculty and a few external	3	NEP2020 (15.9)	Scholar may take this course anytime during his/her PhD programme.

	experts. A similar course if available on SWAYAM could also be approved by the Dean SoE and offered to the scholars)			However, it is recommended that the RS registers for this course any time between second and third semester of the PhD programme.
2.	Practice Based Teaching Skills (Respective Department will facilitate this course. The Research Scholar will facilitate teaching / practical sessions for part of one or more courses course as may be approved by the HoD on recommendation of the DRC. The RS will prepare detailed lesson plans, design learning events, develop contents and facilitate the lecture / practical sessions under supervision of the guide / course instructor.)	3	NEP2020 (15.9)	This course can be taken after successful completion of the basic course 'Pedagogy for higher Education'. This course would be a non-graded course. There is no fixed time/ duration for completion of this course. It may be done anytime during the period of stay of the scholar preferably from the second to six semesters of the PhD programme in the extended period of time.

Course code: EDU 705

Pedagogy for Higher Education (prepared by Dr Anjali Sharma)

Credits:03 (About 45 hours of interactive learning events that will include lectures, discussions with practice sessions and additional off the class self-learning activities)

Aim and Outline of the course:

The course is designed for the research scholars (may call the prospective teacher of higher education or PhD Entrants) to join higher education institutes as professionals. A researcher generally engages in the teaching-learning process after completing their research and sometimes participates in teaching-learning during their research period as a teacher assistant. Therefore, it is required to give them exposure to the teaching-learning process for conceptual understanding and skill development.

This course will help them understand the teaching-learning process basics, curriculum and assessment, and classroom management. This course will also help scholars be more effective while presenting in seminars and conferences.

Besides developing conceptual knowledge of pedagogy skills this course covers contemporary higher education issues like choice-based credit system, online learning, openbook examination, web-based and research-based pedagogical tools and MOOCs etc.

The scholars would develop insight into the significance of pedagogical knowledge and its implication in their professional life on completing the course. Thus the scholars who complete this course will be fully equipped to teach well immediately as they join any educational institute.

Learning Outcomes

On successful completion of this course the participants will be able to:

- Describe teaching-learning processes especially in context of higher education
- Develop an instructional plan as per the teaching strategy needed.
- Design learning events using different teaching methods
- Use activities and exercises as per the required teaching approach
- Develop web based and research-based pedagogical tool
- Explore the ways to handle diverse group of learners in the classroom
- Use technology effectively to facilitate and support e-learning
- Prepare assessment rubric for achievement testing of students and portfolio
- Demonstrate enhanced competency in communication with students
- Use visual aids and technology in offline and online classes.
- Make effective presentations in seminars and conferences.
- Deliver lectures and facilitate discussions and other activities in the classroom situation.

Target Audiences

The course is designed as a compulsory course for the research scholars of all disciplines. However it may be useful for students of the masters programmes who may be taking this course as an elective to enhance their employability.

Prerequisite

The prerequisite for the course is a bachelor's degree in any discipline.

Course Content

1. Overview of Teaching and Learning (6 hours)

- a. Concept of Pedagogy, Andragogy and Heutagogy
- b. Understanding Teaching and related terms, the relationship with learning
- c. Understanding learner and learning cycle
- d. Taxonomy of teaching objectives (Revised Bloom's taxonomy),
- e. Writing learning outcomes

2. Curriculum and Instruction (8 hours)

- a. Curriculum: Concept and Facets,
- b. Credit Framework and Choice-based Credit System
- c. Instruction: Concept, Design and instructional media
- d. Developing Instructional Plans

3. Teaching Strategies and Approaches (9 hours)

- a. Expository vs Inquiry Strategy (shifting from behaviourism to constructivism)
- b. Individualized to small group/large group Approaches,
- c. Scenario-Based, Online and Blended Approach, Introduction of MOOCs
- d. Designing Learning Events and Activities for Student Engagement
- e. Component of effective lectures delivery

4. Pedagogical skills and tools (8 hours)

- a. Concept of TPACK
- b. Pedagogical Skills Scanning the class, starting a session, skill of achieving closure skills, skills to lead session, Skill to secure attention (switch over), scaffolding skills, time management, skill to handle challenging situations.
- c. Technological Skills- Using different apps and platforms for teaching, Use of Open Educational resources (OER), developing assignments and learning material using different apps and software
- d. Communication skills Presenting in Public, Participating in Discussions and Formal Meetings

5. Assessment and Evaluation (8 hours)

- a. Concept of Assessment, Assessment for learning, of learning, as learning,
- b. Receiving and Giving Feedback
- c. Assessment rubrics, Assessment Portfolio, Reflective journal

- d. Designing an Achievement test Objective and Descriptive / Open book question paper
- e. Grading System (Absolute, Relative, CGPA, Conversion of grades to percentage etc)
- f. Conducting Examination, Face to Face, Online Exams (Proctored and non-Proctored Exams)
- g. Project Reviews and Viva-Voce Examinations

6. Classroom Management (6 hours)

- a. Organizing the Physical environment
- b. Managing learner's behaviour through action research
- c. Counselling, Guidance and Mentoring
- d. Effective Academic leadership
- e. Resource Management

Mode of Transaction

The content will transact through interactive lectures, activities, web lectures, assignments, discussions and seminars and practice sessions (video recorded to provide feedback).

Assessment: CIA and EoSE as per provisions of the university ordinances

NEW COURSE on Pedagogy for Higher Education DESIGNED by Dr Anjali Sharma and reviewed by following five experts from Education Domain:

Prof Saroj Sharma Professor, School of Education, Chairperson National Institute of Open School,new Delhi Guru Govind Singh Indraprasth University, New Delhi

Prof. Gopal Krishna Thakur
Professor & Head
Department of Education
Department of Psychology
Mahatma Gandhi Antarrashtriya Hindi Vishwavidyalaya
(A Central University), Wardha – 442001, Maharashtra

Prof Amruth G Kumar School of Education Central University of Kerela

Prof. B. N. Panda Professor of Education and Dean of Research Dept. of Education Regional Institute of Education (NCERT) (A Govt. of India Autonomous Organization) Bhubaneswar-751022,Odisha,India Course Title: Practice-Based Teaching (original draft prepared by Dr Anjali Sharma)

Course code: (to be confirmed as per the department)

Credits:03 (About 60 hours of practical teaching sessions and additional preparatory work to support the teaching)

Aim and Outline of the course:

The course is designed for the research scholars in the continuation of the foundation course of Pedagogy for higher education. As per the expectation of National Education Policy 2020, researchers need to be professionally equipped along with conceptual knowledge and understanding of Pedagogy. Developing teaching skills during the PhD will be a good value addition to a scholar's profile and will help them develop essential pedagogical /teaching skills required for their professional life.

This course is a practice-based course where a scholar is expected to be formally involved in various aspects of delivering a course and will include formal teaching sessions under the guidance of a supervisor.

Learning Outcomes: On completion of the course the participants will be able to:

- Prepare the Instructional plans for the given course
- Write Learning Outcomes for the planned learning event
- Design Learning Events as per the LO
- Deliver Lectures
- Formally speak in Public and make formal presentations
- Support the course instructors / teachers in various aspects of teaching, learning and assessment
- Give effective feedback and provide support to students

Pre-requisites: Successful completion of the course 'Pedagogy for Higher Education'

Contents:

The course contents will depend on the teaching requirement of subject specific discipline. The participant expected to be involved in the whole cycle of delivery of a course for which the following is suggested.

- 1. Developing Instructional Plans,
- 2. Writing Learning Outcomes for each session
- 3. Designing learning activities as per the Instructional Plan and LO
- 4. Design Cooperative and Collaborative Activities for the students.
- 5. Delivering Lectures and organizing Seminars,
- 6. Preparing Handouts / Learning Course Readers
- 7. Moderating Panel Discussions, Facilitating Group Discussions
- 8. Facilitating Practicals / Field Visits / Project work / Studio (as per the need)
- Assessment developing rubrics, preparing question papers of different types, and assessing answer scripts with written feedback, preparing results etc (for one formative and one summative Assessment)

DETAILED SYLLABUS OF PRE-PH.D. COURSE WORK

	Course Name	: FUNDAMENTAL OF ECONOMICS ((ECO701)	
TEACHI	NG SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED	
	3 hrs per week	End Semester Examination: 100 marks	Theory: 3	
			Total: 3	
	e-requisites:			
1		e of elementary Microeconomics and Macro	oeconomics	
Course Ob				
The o	bjective of this co	ourse is the make the students aware of the	ne fundamentals of economics and	also the
conte	nporary issues. Th	nis course will help the student in deciding	their area of research interest. This	course is
of 4	credits. This coun	rse provides an introduction to a broad	range of economic concepts, theo	ries and
analyt	ical techniques	on various economic contemporary iss	ues including price mechanism,	market
mecha	nnism and the soc	ial and global economic issues. Thus, the	course will help and motivate the	research
schola	ars in deciding the	ir area of research.		
		ents will be able to	161	. 1 1'
	=	ow economic models can be used to consi-	der fundamental economic issues in	ncluding
	• •	system of market mechanism nomy behaves at the aggregate level an	d how national income is measure	red and
2 determ		monly behaves at the aggregate level an	id now national meome is measu	ica ana
1 1	ibe and explain heconomic outcom	ow the monetary and fiscal policy measures	ires influences microeconomic cho	ices and
4 U		ssues regarding poverty, unemployment	and the income inequalities in	ncluding
econo	mic growth, produ	lucting research related to contemporary activity, and standards of living	-	ncluding
		mic models, diagrams and tables and use the	em to analyze economic situations.	
Course Co		rice System		
		•		
		tion mechanisms		
UNIT I	1	ls, speculation and prediction		10 hrs
	- Price	ceilings and price floors, Price gouging		
		ral Equilibrium Theory, Two Fundamental of Second Best	Theorems of Welfare Economics,	
	Marke	t Mechanism		
UNIT II		tition and entry, creating barriers to entry, t ner's surplus, creating destruction)	he benefits of competition	10 hrs
	Alterna	atives to the market (disagreement, cartels, o	collusion, monopolization	10 1113
	eBay a	nd Online markets		

	Asymmetric information, Market failure]				
	Market problems and Government (externalities, common ownership, public goods)					
	Macroeconomic Issues					
	GDP and the measurement of progress, nominal and real measures, flow of income and expenditure					
UNIT III	Business cycles, historical records and indicators, inflationary records, Transmission and amplification measures, Monetary policy and fiscal policy	10 hrs				
	The Economy in the Long Run- economic growth, productivity and living standards, savings and capital formation, catching up vs cutting edge, money, prices and federal finance, financial markets and international capital flows					
	Open Economy					
UNIT IV	The foreign exchange market, balance of payment, current and capital account, exchange rate and open economy	10 hrs				
	International Trade Theory – Classical, Heckshcher Ohlin, New Trade Theory					
	Social Issues					
	Discrimination, the market, statistical discrimination, minimum wage, gender discrimination, exclusion					
	Income inequality and poverty, causes of income inequality and poverty (inflation) income distribution over time, the official poverty rate					
UNIT V	Unemployment, measurement, types and cost of unemployment, interpreting the unemployment rate, social security	10 hrs				
	Governance and Corruption					
	Global warming – the market for natural resources, environmental problems, mitigation of global warming					
	Game Theory					
	Strategic form games and Nash equilibrium					
	Rationalizability and inter related elimination of dominated actions					
	Bayesian games and correlated equilibrium					
UNIT VI	Extensive form games with perfect information	10 hrs				
	Bargaining					
	Repeated games					
	Extensive form games and imperfect and incomplete information					
Text Books:		l .				
	ll, R.E. and J.B. Taylor (1986), <i>Macro economics</i> , W.W. Norton, New Delhi					
	muelson, P.A. and W.O. Nordhaus (1998), <i>Economics</i> , 16 th Edition, Tata McGraw Hill, New De	elhi				
3. Ve	rian H. (2000), Micro Economic Analysis, W.W. Norton, New York					
4. Do	rnbush, R and F. Stanley (1997), Macroeconomics, McGraw Hill, Inc. New York					
5. Ba	rro, R J & X Sala-i-Martin, Economic Growth, McGraw-Hill, 1997.	·				

6. Romer, D., Advanced Macroeconomics, McGraw-Hill Advanced Series in Economics, New York, 1996.

Reference Books:

- 1. Thomas and Callan, Environmental Economics, Cengage Learning, 2009.
- Tietenberg, T. (1996), Environmental and Natural Resource Economics, Harper Collins, College Publishers, New York, Fourth Edition
- 3. Bhattacharya, R. N. (Edited) (2001), Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
- 7. Mankiw, N Gregory (2009), Principles of Economics, 6th edition, South Western Cengage Learning, USA
- 8. Menger, Carl (1976), Principles of Economics, New York University EditionMarshall, Alfred (1890), Principles of Economics: An Introductory Volume
- 9. Boyles, William J. And Michael Melvin, Fundamentals of Economics, Houghton Mifflin Company, USA
- 10. Barrows, David and John Smithin, Fundamentals of Economics for Business (2nd edition).
- 11. Solow, R.M. (2000), Growth Theory: An Exposition, Oxford University Press, Oxford
- 12. Sankar, U. (Ed.) (2001), Environmental Economics, Oxford University Press, Oxford
- 13. Mankiw, N.G. and D. Romer (Eds.) (1991), New Keynesian Economics (2nded.) MIT Press, Cambridge
- 14. Pissarides, C A, Equilibrium Unemployment Theory, MIT Press 2000.
- 15. Mas-Collel, Whinston Green, Microeconomic Theory, OUP and D Fudenberg J Tirole, Game Theory, MIT Press.
- 16. Kreps, D M, A Course in Microeconomic Theory, Harvester Wheatsheaf; H R Varian, Microeconomic Analysis (3rd edn), Norton
- 17. Osbourne, M J & A Rubinstein, A Course in Game Theory, MIT Press
- 18. Jehle, G A & P J Reny, Advanced Microeconomic Theory, Longman.
- 19. Acemoglu, D., Introduction to Modern Economic Growth, Princeton University Press, 2009
- 20. Ljungqvist, L & T Sargent, Recursive Macroeconomic Theory, MIT Press, 2000
- 21. Stokey, N & R E Lucas, Recursive Methods in Economic Dynamics, Harvard University Press, 1989.
- 22. Obstfeld, M & K Rogoff, Foundations of International Macroeconomics, MIT Press, 2000
- 23. Aghion, P & P Howitt, Endogenous Growth Theory, MIT Press 1998

			PO-CO	O Complianc	e Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO1	3		2					
CO2		3		3	2	2		
CO3	3		2					
CO 4	3		3					
CO 5		3	3	3	3	3		
CO 6		3	3	3	3	3		
*1: Low, 2:	Medium, 3: Hi	gh						

			Course Name: RESEARCH METHODO	OLOGY (ECO702)				
TE	EACHI	NG SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED				
		eory: 4 hrs per week End Semester Examination: 100 marks		Theory: 4				
				Total: 4				
Coı		-requisites:		. 134.4				
1			wledge of elementary Econometrics, Statist	acs and Mathematics.				
Cou	rse Obj		is to give the thorough knowledge about t	the research methods and technique	s which			
				•				
			onducting the research. The course would		tne time			
			data sets and the use of softwares and statis	stical packages to analyse the data.				
			ents will be able to derstand what research in economics is and	Lhow to conduct research				
1					· DID			
2	-		various research tools, techniques, metho	odologies that are applicable in th	eir PhD			
	researc							
2	They o	can improve their	r skills to use various statistical and econo	ometrics tools and techniques to be	used in			
3	researc	eh.						
4	They o	an also learn som	ne statistical software to be used to analyze	the data.				
5	They o	an significantly i	mprove to write research report.					
Cou	rse Cor	ntent:						
		BASIC RESEA	RCH					
		Founda	ations- language, research philosophy, con	nceptualization and evaluation of				
		research; Sampling-probability and non-probability sampling; Measurement- construct						
		validity and reliability; Survey research- types of surveys and interviews; Scaling- Thurston,						
UN	IT I	Likert and Guttman scaling; Quantitative and Qualitative Measures- data, approaches and						
		validity, Design- Experimental and quasi-experimental, Analysis- data preparation,						
		descriptive statistics, hypothesis testing, multivariate analysis (inferential statistics), Writing						
		a Research Proposal, Report Writing, References and Bibliography.						
		STATISTICS I	1 0	- 0 P7 .				
				maggiras Laranz Cueva Cuevas				
		Measures of Inequality: Gini, Entropy and Theil's measures, Lorenz Curve. Curves: Concept and Types. Different Methods of Curve Fitting with applications; Regression and						
UN	II TII	Concept and Types. Different Methods of Curve Fitting with applications; Regression and						
		Correlation Analysis; Variance Analysis of One, Two and Three Factor Classification.						
		Covariance Ana						
		STATISTICS I						
UN	III TII	Methods of Data Reduction-Principal Components and Factor Analysis.						
		Applications of SPSS, STATA, E-Views etc.						
		ECONOMETR	RICS I					
UN	IT IV	Linear	Regression Model-Violation of Assum	ptions; Multicollienearity, Auto-	10 hrs			

	Correlation, Heteroscedasticity; Multiple regression analyses Model Specification; Dummy				
	Variables, Panel Data Models.				
	ECONOMETRICS II				
	Data Base and Problems of estimation-Cross Section and Time Series Data Base,				
UNIT V	Two Stage and Indirect Least Squares methods of estimation. Simultaneous equation models,	10 hrs			
	identification problem, Granger Causality test, Error Correction Model. Applications of				
	SPSS, STATA, E-Views etc.,				
	REVIEW STUDIES				
UNIT VI	Study of the methodologies used by the Classical, Neo-Classical, Keynesians, New Classical	10 hrs			
CIVII VI	Economists	101113			
Text Book	S:				
1. K	othari, CR (1995) Research Methodology: Methods and Techniques, Wishwa Prakashan (Wiley	Eastern			
	td), New Delhi.				
2. D	amodar N. Gujarati, Basic Econometrics; 4th Edition, McGraw Hill, 2008.				
3. B	altagi, B.H (2001) Econometric Analysis of Panel Data, John Wiley, London.				
4. A	nderson, TW (1984) An Introduction to Multivariate Statistical Analysis, John Wiley, Wiley, Ne	w York.			
Reference					
	nders, Walter (2004) Applied Econometric Time Series, John Wiley, London.				
6. G	eorgescu-Roegen, N (1971) The Entropy Law and the Economic Process, Harvard University Pro	ess.			
7. G	ood and Hattt, (1979) Methods in Social Research, Tata-McGraw Hill, New Delhi.				
8. G	reen, WH (2003) Econometric Analysis, Pearson Education Inc, Delhi.				
9. H	amilton, J.D (1994) Time Series Analysis, Princeton University Press, Princeton				
	ayek, Friedrich (1948) Individualism and Economic Order, University of Chicago Press, Chicago).			
11. H	umphreys, P (2004) Extending Ourselves: Computational Science, Empiricism and Scientific UP, Oxford.				
12. Ju	add, L and Tesfastion, L (2006) Handbook of Computational Economics: Agent-Based Computational Economics, Elsevier/North-Holland, Amsterdam.	utational			
	agel, JH and Roth, AE (1995) The Handbook of Experimental Economics, Princeton University rinceton.	ty Press,			
14. K	endall, MG and Stuart, A (1968) The Advanced Theory of Statistics, Charles Griffin & Co., Lon	don.			
15. M	litchell, WC (1967) Types of Economic Theory, John Hopkins Univ. Press, Baltimore				
	Iosteller, F. and Turkey, J (1977) Data Analysis and Regression: A Second Course in Statistics, A Vesley, London. Ph.D/M.Phil Coursework	Addison-			
	17. Moore, D.S. and McCabe, G.P (1989) Introduction to the Practice of Statistics, W.H. Freeman and Co., New York.				
	Tukherjee, C., White, H. and Wuyts, M (1997) Econometrics and Data Analysis for Developing				

19. Krishnamurthy, EV and Sen, SK (1976) Computer-based Numerical Algorithms, Affiliated East-West

Countries, Brooks/Cole, Californi

Press, New Delhi.

PO-CO Compliance Matrix								
	PO1	PO2	PO3	PO4	PO5	PO6		
CO1	3		3					
CO2		3		2	2	3		
CO3				3		2		
CO 4				3				
CO 5				3				
CO 6		3		3		3		
*1: Low, 2: Medium, 3: High								

ELECTIVE COURSES

The students are required to select any one of the paper as per their interest area. In order to study this paper, the students are required to interact with their research supervisor. They have to finalize their topic of research from the paper they will choose. The students also have to review at least five research studies and give the presentation on the selected course. This paper will contain 3 credits. Examination Scheme: ESE Exam of 100 Marks for choosing any elective course.

Course Name: Agriculture and Rural Economics (ECO705)						
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED				
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3				
	Total: 3					
Course Pre-requisites:						
1 Must Complete the Post-Graduation and Knowledge of Macroeconomics						

Course Objective:

The place of agriculture and rural economics in the overall economic literature is unique in the context of the Indian economy. The development programmes in India are cantered around the rural area. The paper is intended to highlight the working and significance of the rural economy along with the institutional involvement in implementing the government programmes. Agriculture, allied sectors, the non-farm sector and Co-operative movement is the thrust area of the paper.

Course Outcomes: The students will be able to

Comprehend the importance of agriculture in the development process and its mechanism

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1	Analyz	se the status of Indian agricultural sector and regional variation in growth and productivity perfe	ormance			
2	of the sector					
_	oi the	Sector				
	Analy	se the factors affecting the performance of the sector such as cropping pattern, the supply of in	puts and			
3	public	public investment				
	Annre	ciate the issues on food security, public distribution system; the impact of issues on the globaliz	ration of			
4		economy and WTO on Indian agriculture.	auton of			
5	Analy	se the role of agriculture on the rural development				
	Analy	se issues in rural economies like the agricultural wage, non-agricultural employment and rur	al-urban			
6	migrat	ion and the model to analyse rural-urban migration.				
7	Analy	se the development contribution of microfinance and issues related to it				
8	Analy	se the need for and issues in agricultural diversification, rural industrialization				
	Analy	se issues and problem in rural social infrastructure and facilities like housing, sanitation, electri	fication,			
9	drinkii	ng water supply, rural transport and communication				
Cor	ırse Cor	tout				
Cot	iise Coi	Agriculture and Economic Development				
		Nature and scope of agricultural and rural economics; Traditional agriculture and its	10 hrs			
UN	I TIV	modernization; Role of agriculture in economic development; Interdependence between				
		agriculture and industry — some empirical evidence; Agricultural development, poverty and				
		environment. Land Reforms and Land Policy				
		Agricultural Growth in India I				
		Recent trends in agricultural growth in India; Inter-regional variations in growth of				
LIN	II TII	output and productivity; Cropping pattern shifts; Supply of inputs — Irrigation, power, seed	10 hrs			
01	111 11	and fertilizers; Pricing of inputs and role of subsidies; Role of Public investment and capital	10 1113			
	formation in Indian agriculture; Agricultural and non agricultural pricing policies in India.					
		Agricultural Growth in India II				
UN	III TII	Food security issue and Public distribution system, Recent initiative for second	10 hrs			
		green revaluation, Globalization of Indian economy and problems and prospects of Indian				
		agriculture; Impact of World Trade Organization on Indian agriculture.				
		Agricultural Transformation and Rural Economy I				
		Role of agriculture in rural economic development, rural credit markets, Micro				
UN	IT IV	Finance in India: Microfinance and rural development, SHGs-Bank Linkage Programmes	10 hrs			
		·				
		and emerging scenario of Microfinance regulation in India,				

	Agricultural Transformation and Rural Economy II					
	Causes and effects of rural urbanization Migration, Harris-Todaro model of rural-					
UNIT V	urban migration, Agricultural wages in India; Non-agricultural rural employment- Trends	10 hrs				
	and determinants;.					
	Diversification of Rural Economy					
	Diversification of Agriculture-Dairy Farming, Horticulture, Floriculture, Fishery,					
	and Farm Forestry; Rural Industrialization- Importance, Programmes, Progress and Problems					
UNIT VI	of Small- Scale and Cottage Industries and Remedial Measures. Rural social infrastructure:	10 hrs				
	issues and problems in Educational and Health infrastructure; Housing and Sanitation;					
	Drinking Water Supply; Rural Transport and Communication; Rural Electrification.					
Text Books						
1. Bi	radar, R.R.(2008): Rural Non-Agricultural Employment in India: An Analysis of Its Determinan	ts and				
In	npact on Poverty and Inequality, Concept Publishing Company, New Delhi					
	nadha, G. K. and A. N. Sharma (Eds) (1997): Growth, Employment and Poverty: Change and Co Rural India, D K Publishers, New Delhi.	ntinuity				
3. D	andekar, V.M. and N. Rath (1971): Poverty in India, GIPE, Pune.					
4. D	antwala, M. L. and Others (Ed) (1986): Indian Agricultural Development since Independence: A	<u> </u>				
Co	ollection of Essays, Oxford and IBH Publishing Co.Pvt. LTd. New Delhi.					
Reference						
	Dantwala, M. L. (1973): Poverty in India: Then and Now, 1870-1970, Macmillan, Bombay.					
	yagi, B. P. (1998): Agricultural Economics and Rural Development, Jai Prakash Math and Co., N					
	Visaria, P. and R. Basant Ed) (1994): Non-Agricultural Employment in India: Trends and Prospectige Publications, New Delhi	cts,				
8. (Gupta. K .R. (Ed) (2003): Rural Development in India, Atlantic Publishers and Distributors, New	Delhi.				
9.	Jain, GopalLal (1997): Rural Development, Mangal Deep Publications, Jaipur,.					
10.	Singh, Katar (1986): Rural Development: Principles, Polices and Management, Sage Publicatio	ns, New				
D	elhi, (Second Edition).					
	aralay, G. N. (2005): Integrated Approach to Rural Development: Polices, Programmes and Straoncept Publishing Company, New Delhi	tegies,				
12. M	aheshwari, S. R. (1985): Rural Development in India, Sage, Publications New Delhi.					
13. S	atyaSundaram, I. (1997): Rural Development, Himalaya Publishing House, Delhi					
14. M	ehta, Shiv R. (1984): Rural Development Polices and Programmes, Sage Publications, New Delh	ni.				
	15. Srinivasan, T. N. and P. K. Bardhan (Eds) (1974): Poverty and Income Distribution in India, Statistical Publishing Society, Calcutta.					
16. C	hambers, R. (1983): Rural Development: Putting the Last First, Longman, Harlow.					
17. M	oore, D.S. and McCabe, G.P (1989) Introduction to the Practice of Statistics, W.H. Freeman	and Co.,				

New York.

- 18. Mukherjee, C., White, H. and Wuyts, M (1997) Econometrics and Data Analysis for Developing Countries, Brooks/Cole, Californi
- 19. Krishnamurthy, EV and Sen, SK (1976) Computer-based Numerical Algorithms, Affiliated East-West Press, New Delhi.

			PO-CO C	Compliance l	Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO1	2		2					
CO2		3		2				
CO3		3		3		2		
CO 4	2		2					
CO 5		3		2				
CO 6		3		2				
CO 7	2	3	1	2	2	2		
CO 8	2	3	2	2	2	2		
CO 9	2	3	2	2	2	2		
*1: Low, 2: Medium, 3: High								

Course Name: Economics of Infrastructure and Development (ECO706)							
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED					
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3					
		Total: 3					
Course Pre-requisites:							
1 Must Complete the Post-Graduation and Knowledge of Macroeconomics and Development Economics							

Course Objective:

The important role infrastructure plays in a country's development need not be reiterated. In case of developing countries, lack of adequate infrastructure has been held as a major obstacle to growth. Of the various categories of infrastructure, the category of social overhead capital has gained particular prominence. The contents of the paper 'Economics of Infrastructure' exposes the student wholly to issues involved in development of infrastructure in developing countries like India.

Course Outcomes: The students will be able to

- 1 An ability to analyze and propose solutions to infrastructure problems
- An ability to describe and analyze the physical infrastructure for an effective policy decisions
- An ability to analyze and utilize the available resources of natural gas, nuclear and solar energy in Indian context
- Δ The ability to evaluate the condition of existing infrastructure and recommend Improvements
- An ability to analyze the Education, Health, Housing and Banking & Insurance infrastructure and its impact on human and economic development

Course Content:

	Infrastructure and Economic Development – Concepts	
UNIT I	Definition, Meaning, Classification of infrastructure (Social and Economic Infrastructure); Infrastructure and economic development — Infrastructure as a public good; Special characteristics of public utilities. The peak-load, Off-Load Problem, Dual Principle Controversy; Economies of scale of Joint supply; Marginal Cost Pricing vs. other methods of pricing in public utilities; Cross-subsidization — free prices, equity and efficiency. Urban and Rural Infrastructure schemes in India – PURA; Spatial aspects of development and linkages with infrastructure.	10 hrs
	Physical Infrastructure – I (Energy, Electricity, Gas and water Supply)	
UNIT II	Primacy of Energy in the Process of Economic Development. Factors Determining Demand for Energy; Effects of Energy Shortages. Energy Conservation Renewable and Non-conventional Sources of Energy. Energy Modelling. The Search for an Optimal Energy Policy in the Indian Context. Electricity, Gas and Water Supply: Bulk Supply and Pricing of Electricity. The Relative Economics of Thermal, Hydel and Nuclear Power Plants. The Case for a National Power Grid. Financing Water Utilities. Urban and Rural Water Supply. The Exploitation of Natural Gas. Pricing Problem.	10 hrs
	Physical Infrastructure – II (Transport)	
UNIT III	Significance of Transport Infrastructure; Factors affecting Transport Network – Growth and Present status of Transport System in India; Impact of Transport Development on location of economic activities; Transport Sector Reforms in India	10 hrs
	IV. Physical Infrastructure – III (Communication)	
UNIT IV	Postal and Telegraph. Telecommunication and Information Technology; Major issues in IT – Growth and present status of IT industry in India; Implications for Regional Development	10 hrs
	Social and Tourism Infrastructure	
UNIT V	Growth and present status of Social Infrastructure – Education, Health, Housing and Banking & Insurance; Impact of Social Infrastructure on Human and Economic Development, and development of social services in Indian plans-tourism and economic development - role of state in promoting tourism - tourism planning - infrastructural requirements for marketing tourism	10 hrs
	Infrastructure Demand & Financing	
UNIT VI	Demand Simulation for Infrastructure; Financing Needs; Infrastructure Financing in Plan Period; Infrastructure Financing in Recent Times; Privatisation	10 hrs

of Infrastructure and PPP Models: Implications for Infrastructural Development
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Text Books:

- 1. Baru, R.V. (1998), Private Health Care in India: Social Characteristics and Trends, Sage Publications, New Delhi.
- 2. McMohan, W.W. (1999), Education and Development : Measuring the Social Benefits, Oxford University Press, Oxford
- 3. Parikh, K.S. (Ed.) (1997), India Development Report 1997, Oxford, New Delhi
- 4. Parikh, K.S. (Ed.) (1999), India Development Report 1999-2000, Oxford, New Delhi
- 5. National Council of Applied Economic Research (NCAER) (1996), India Infrastructure Report : Policy Implications for Growth and Welfare, NCAER, New Delhi.

Reference Books:

- 6. Becker, G.S. (1974), Human Capital (2nd Edition), National Bureau of Economic Research, New York.
- 7. Berman, P. and M.E. Khan (1993), Paying for India's Health Care, Sage Publications, New Delhi.
- 8. Centre for Monitoring Indian Economy (1996), India: Energy Sector, CMIE, Mumbai.
- 9. Crew, M.A. and P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.
- 10. Indian Council of Social Sciences Research (ICSSR) (1976), Economics of Infrastructure Vol. VI, New Delhi.
- 11. Parikh, J. (Ed.) (1997), Energy Models for 2000 and Beyond, Tata McGraw-Hill, New Delhi.

			PO-CO	O Complianc	e Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO1	2	3	2	2				
CO2	2	3	2					
CO3	2	3	3					
CO 4								
CO 5		3		3	3	3		
CO 6		3	2	3	3	2		
*1: Low, 2: M	*1: Low, 2: Medium, 3: High							

Course Name: Environmental and Resource Economics (ECO707)							
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED					
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3					
		Total: 3					

Course Pre-requisites:

Must Complete the Post-Graduation and Knowledge of elementary Environmental Economics

Course Objective:

Due to the speedy growth of industries and population there is an increasing demand for the environmental resources. The free goods in the nature have now become the priced goods in the economy. The various types of pollutions have created the problems to the human beings as well as the biosphere. The quality of environmental resources is being fastly deteriorated.

This course targets to familiarize the various economic regulatory tools in handling environmental problems and disseminate the techniques of valuing the worth of non-market commodities especially environmental goods and service. It also deals with the theoretical framework of the optimal use of renewable and non-renewable natural resources. In nutshell this course would enable the students to know about the relationship between environment and economy, global Issues relating to environmental problems, policies and protection.

Course Outcomes: The students will be able to

- Appreciate how markets allocate goods and why they sometimes fail allocate environmental goods optimally.
- 2 To plan regulatory framework for correcting market failures.
- Knowledge of a range of approaches for non-market valuation of environmental goods and services, and of
- their strengths, weaknesses and methods of application
- 4 Understand the concept of steady state harvests and the biological growth function of renewable resources.
- Learn the process of arriving at bio-economic equilibrium outcome in an open access fishery and static private property fishery.
- Construct the model for efficient and optimal use of non-renewable resources.
- Understand various trans-national environmental issues and identify how trade is affecting environment globally

Course Content:

	Introduction to Environmental Economics	
UNIT I	Basic concepts of Environmental Economics, Economy-Environment interaction, Market failure, Property rights, Open access resources, Collective action, Environment and development trade-off, Environmental Kuznet's curve	10 hrs
	Economics of Exhaustible and Renewable Resources	
UNIT II	Basic concepts - Hotelling's rule, Solow-Harwick's rule, Market structure and	10 hrs

	optimal extraction policy, Uncertainty and the rate of resource extraction, Resource scarcity;	
	Economic models of forestry and fisheries, Economics of biodiversity.	
	Environmental Valuation	
UNIT III	Market and non-market valuation; Physical linkage methods; Revealed and stated preference methods, Hicksian equivalence, Exposure to the type of models.	10 hrs
	Environmental Policy	
UNIT IV	Command and control versus market mechanisms; Uncertainty and instrument	10 hrs
	choice, Regulatory compliance and enforcement, Eco-taxes and other fiscal measures.	
	Global Environmental Issues I	
UNIT V	Trans-boundary pollution, economics of global warming, Climate change negotiations,	10 hrs
	Kyoto protocol,	
	Global Environmental Issues II	
UNIT VI	Impact of trade on environment and environment on trade, Porter's	10 hrs
	hypothesis, Pollution havens hypothesis	

Text Books:

1. Kolstad, C., Environmental Economics, Oxford University Press, 2000.

Reference Books:

- 2. Baumol, W.J, and W.E. Oates, The Theory of Environmental Policy, Cambridge University Press, 1988.
- 3. Freeman, A. M., The Measurement of Environmental and Resource Values, 2nd Edition, Resources for the Future, 2003.
- 4. Hanley, N., J.F. Shogren, and B. White, Environmental Economics: In Theory and Practice, Macmillan India Ltd., 1997.

PO-CO Compliance Matrix								
	PO1	PO2	PO3	PO4	PO5	PO6		
CO1	2		3					
CO2	2				3			
CO3	2	3	3	3				
CO 4					3	3		
CO 5	2		3	3	3	3		
CO 6	2		2					
CO 7				3	3	3		
*1: Low 2: Medium 3: High								

*1: Low, 2: Medium, 3: High

		Course Name: Financial Economic	ics (ECO708)				
TEACHI	NG SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED				
Theory:	3 hrs per week	End Semester Examination: 100 marks	Theory: 3				
			Total: 3				
	e-requisites:						
•	-	-Graduation and Knowledge of elementary	Financial Economics				
Course Ob		1					
	-	nd significant role of finance in the proces		•			
		literature and indeed has become more in					
financ	cial systems of di	fferent countries have become integrated	in the process of globalization. Inc	lia is no			
excep	tion and has taken	far reaching measures since 1991 in this d	irection.				
This c	course focuses on	the financial system and its relationship wi	th the financial markets both at the	national			
and ir	nternational levels	. While discussing the financial markets it	also brings out the brief idea abou	ıt equity			
shares	s, bond and derivat	tives. The course aims to provide an unders	standing of various theories of finance	ce.			
		ents will be able to					
		how financial system work and how the fi	nancial markets behave.				
2 Impro	ove the skills to va	lue stocks and bonds.					
3 Unde	rstand the various	factors responsible for financial market vo	latility and stability.				
4 Unde	rstand the financia	al decision making under uncertainty.					
Course Co							
	Introduction						
UNIT I	Nature and Sco	pe of Financial Economics; Basic financia	al concepts, Economics of capital	10 hrs			
UNITI	Budgeting; Investment Criteria, Estimation of project Cash Flows, Risk Analysis						
	Budgeting, mye	sument effectua, Estimation of project easi	1 10 WB, Telbit 1 Mary BIB				
	Financial Syste	m I					
	Financial System-Meaning, constituents, functions and importance of financial system;						
Indian Banking System: Banking structure in India, Structure and functions of commercial							
UNIT II	banks; Functions of Central bank, Monetary policy and Central bank; Money market:						
	Introduction, Treasury bills, Commercial paper, Certificates of deposit; Call money market, Money market mutual funds;						
	Money market is	nutuai iunas;					
	Financial Syste	m II					
	Canital markets	Primary market-shares and debentures-Ty	nes and their issuance Secondary				
LINITE III	_	·	•	10 hrs			
UNIT III market- Stock exchange - Stock market indices, Methods of trading; Reforms in the Indian 10 h							

stock market; Role of SEBI, Debt market: Introduction; Private corporate debt market, Government securities market; Capital asset pricing model; Arbitrage pricing theory; Stock

	market efficiency.									
	Security Analy	ysis- I								
UNIT IV		Price-value interaction model- Buy-sell decision rules, information traders and liquidity traders, Samuelson's continuous equilibrium, Passive and Aggressive trading.								
	Security Analy	ysis- II								
UNIT V	risk-divers beta-efficie	Risk and Return: Expected return and variances-portfolios systematic and unsystematic risk-diversification and portfolio risk Mean- Variance Criterion -systematic risk and beta-efficient frontier characteristic lines- optimum portfolio -capital asset pricing model, arbitrage pricing theory, Valuation: Bond valuation-equity valuation.								
	Analysis of Fin	nancial mar	kets							
UNIT VI	Fundamental ar	nalysis, Tec	hnical analy	ysis.				10 hrs		
Text Book	s:							l		
1.	Bhole, L M, <u>I</u> Tata McGraw					Growth and	d Innovations, Fourth	Edition,		
2.	2. Brealey, R. and S. Myers, <i>Principles of Corporate Finance</i> , Fifth edition, New York, McGraw Hill, 1997.									
Reference										
3.	Copeland, T. I	E. and J. F. V	Weston, Fir	ancial Theo	ry and Corp	orate Pol	icy, Addison Wesley,	1992.		
4.	Elton, E.J and	l M.J. Grub	er, Modern	Portfolio T	heory & In	vestment .	Analysis, Fourth editi	on, John		
	Wiley & Sons									
	<u> </u>		*******		4.71		0.0.177.1			
5.	5. Houthakker, H.S. and P.J. Williamson, <i>Economics of Financial Markets</i> , Oxford University Press, 1996.									
6.	6. Khan, M Y, <i>Indian Financial System</i> , Seventh edition, Tata McGraw-Hill Publishing Co., New Delhi, 2009.									
PO-CO Compliance Matrix										
	PO1	PO2	PO3	PO4	PO5	PO6				
CO1	2		3							
CO2	2		2		3					
	1.0	2	2	2	I	1	1 1			
CO3	2 2		3							

	Course Name: Gender Economics (ECO709)								
TE	EACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED						
Т	heory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3						
	Total: 3								
Coı	urse Pre-requisites:	Color Decision of Decision	E						
1	-	t-Graduation and Knowledge of Developm	ent Economics						
Cou	rse Objective:	in sociatal practices and devalopment	policies have resulted in persistent gender						
			such inequalities and enhancing women's						
	_								
	•	•	nt of the country. This course "Economics of						
	_	_	ding of the nature of the economic role of						
			s of a scientific and non-sexist analysis. The						
	_		at the theoretical level and also with regard						
	to specificity of issues p	prevailing in the Indian context.							
Cou	rse Outcomes: The stud		P						
1	Demonstrate a general	understanding of the concept of women st	udies						
2	Appreciate gender bias	in the economic theory and economic history	ory						
3	Appreciate the demogr	raphy of the female population in developing	ng countries and India.						
_	Appreciate the level of	access to nutrition, health, education and o	other resources along with their economic						
4	status and work particij	pation rate							
5	Appreciate the determine	nants of power of decision making of wom	en						
6	Appreciate and analyse	the factors affecting female entry in the la	bour market						
7	Analyse the female wo	rk participation in the different sector the e	conomy						
8	Appreciate labour market biases and gender discrimination wage differentials in female activities and determinants of wage differentials								
9	Analyse the different issues in social security and social protection for women								
	Understand and analyse	e the concept of gender planning, developm	nent policies and governance for						
10	mainstreaming the issues on gender in order to address them								
Cou	Course Content:								
	Introduction a	nd Review							
UNIT I patriarchal and matriarchal societ and relevance to present day soo distribution, and population, Wo		nd households, Importance and concepts and matriarchal societies and structures, pace to present day society in India, General, and population, Women in the econom of gender, The economics of gay identity land.	patrilineal and matrilineal systems der bias in the theories of value, nic history, Race, class, and the						

	Demography]
UNIT II	Demography of female population: Age structure, mortality rates, and sex ratio — Causes of declining sex ratios and fertility rates in LDCs and particularly India — Theories and measurement of fertility and its control; Women and their access to nutrition, health, education, and social and community resources, and their impact on female mortality and fertility, economic status, and in work participation rate.	10 hrs
	Women in Decision Making (5)	
UNIT III	Factors affecting decision making by women; property rights, access to and control over economic resources, assets; Power of decision making at household, class, community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India; Role of kinship in allocating domestic and social resources.	10 hrs
	Gender and the Economics of the Labor Market	
UNIT IV	Labour force participation patterns, Labour force participation and family structure Factors affecting female entry in labour market; Supply and demand for female labour in developed and developing countries, particularly India; Studies of female work participation in agriculture, non-agricultural rural activities, informal sector, cottage and small-scale industries, organized industry, and services sector; Discrimination: Labour market biases and gender discrimination Compensating Differentials: Wage differentials in female activities; Determinants of wage differentials; gender, education, skill, productivity, efficiency, opportunity; Structures of wages across regions and economic sectors. Feminization of the economic sector, Human Capital,	10 hrs
	Social Security and Social Protection for Women	
UNIT V	Social security of women: entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, self-help groups in providing social security; effectiveness of collective bargaining; Review of legislation for women's entitlements, protection of property rights, social security — Schemes for safety net for women; Need for female labour unions; affirmative action for women and improvement in their economic and social status.	10 hrs
	Gender Planning, Development Policies and Governance	
UNIT VI	Gender and development indices; Mainstreaming gender into development policies; Gender planning techniques; Gender sensitive governance; Paradigm shifts from women's wellbeing to women's empowerment; Democratic decentralization (panchayats) and women's empowerment in India, Gender Budgeting	10 hrs

Text Books:

- 1. Blau, Francine, Marianne Ferber and Anne Winkler 1998. *The Economics of Men, Women and Work* (Englewood Cliffs, NJ: Prentice Hall, Third Edition). (BFW)
- 2. Krishnaraj, M., R.M. Sudarshan and A. Shariff (1999), Gender, Population and Development, Oxford University Press, New Delhi.
- 3. Boserup E. (1970), Women's Role in Economic Development, George Allen and Unwin, London.

Reference Books:

- 4. Desai, N. and M.K. Raj. (Eds.) (1979), Women and Society in India, Research Centre for Women Studies, SNDT University, Bombay.
- 5. Government of India (1974), Towards Equality Report of the Committee on the Status of Women in India, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- 6. Hoffman, Saul D. and Susan L. Averett 2004. *Women and the Economy: Family, Workand Pay* (Addison-Wesley-Longman). (HA)
- 7. Jacobsen, Joyce P.. 1998. *The Economics of Gender*, 2nd edition, New York: Blackwell.
- 8. Jacobsen, Joyce. 1998. *The Economics of Gender* (Cambridge: Blackwell, 2nd Edition). (On reserve at Odegaard).
- 9. Stack, Carol B. 1974. *All Our Kin: Strategies For Survival in a Black Community*. New York, NY: Harper & Row.
- 10. Seth, M. (2000), Women and Development: The Indian Experience, Sage Publications, New Delhi. Economics 179
- 11. Srinivasan K. and A. Shroff (1998), India: Towards Population and Development Goals, Oxford University Press, New Delhi.
- 12. Venkateswaran, S. (1995), Environment, Development and the Gender Gap, Sage Publications, New Delhi.
- 13. Wazir, R. (2000), The Gender Gap in Basic Education: NGOs as Change Agents, Sage Publications, New Delhi.
- 14. D'Emilio, John. 1993. "Capitalism and Gay Identity," reprinted in *The Lesbian and Gay Studies Reader*, Henry Abelove, et. al., eds., New York: Routledge.
- 15. Ehrenreich, Barbara and Deirdre English. 1973. "Women and the Rise of the American Medical Profession," reprinted in Wendy McElroy, ed., *Freedom, Feminism, and the State*, 2nd edition, New York: Holmes and Meier, 1991.
- 16. Hochschild, Arlie Russel. 1989. The Second Shift, New York: Avon, chapter 4.
- 17. McKenzie, Richard and Gordon Tullock. 1975. *The New World of Economics*, Homewood, IL: Richard Irwin, chapter 9.

- 18. Rhoads, Steven E.1993. *Incomparable Worth: Pay Equity Meets the Market*, Cambridge: Cambridge University Press, chapter 2.
- 19. Robinson, John P. and Melissa A. Milkie. 1998. "Back to Basics: Trends in and Role Determinants of Women's Attitudes Toward Housework," *Journal of Marriage and the Family* 60, February: 205-18.
- 20. Segalen, Martine. 1996. "The Industrial Revolution: From Proletariat to Bourgeoisie," in Andre Barguiere, et. al., eds, Sarah Hamburg Tenison, trans., *A History of the Family* vol. 2, Cambdrige, MA: MIT Press.
- 21. Walker, Deborah. 1995. "Feminism and Economics: Legislation or Markets?" in Rita J. Simon, ed., *Neither Victim nor Enemy*, Lanham, MD: Women's Freedom Network and University Press of America

Videos:

1900 House (selected episodes). Shown on the campus network

			PO-CO	O Compliance	e Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO 1	3		3					
CO 2	2		2					
CO 3	2		2					
CO 4	2		3					
CO 5	2		2					
CO 6	2	3	2	3				
CO 7		3	3	3	3			
CO 8	2		2					
CO 9		3	3	3	3	3		
CO 10	3	3	3	3	3	3		
*1: Low, 2:	Medium, 3: Hi	gh						

	Course Name: HEALTH ECONOM	AICS (ECO710)
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3
		Total: 3
Course Pre-requisites:		
Must Complete the P	ost-Graduation and Knowledge of Develop	pment Economics, Macroeconomics and

Course Objective:

Microeconomics.

Health status of the population forms a major variable in measuring the Human Development Index. Health infrastructure provisions both public and private sector assumes significance in the overall health policy of a country. The present paper analyses the national health scene, correlation of health output and input indicators with level of economic development. Resource allocation in the health sector both public and private sector, evaluation of benefits and costs of health services, financing of health services and role of

l [govern	ment and institutions also is examined.				
	govern	iment and histitutions also is examined.				
Cou		comes: The students will be able to				
1		oret and appropriately apply the key concepts of economics within the context of the health system				
2		ey analytical reasoning and tools of health economics and their normative foundations and ethical	al			
2	implic	eations				
3	Use e	economic models to understand behaviors of actors in the health care sector				
	Under	take economic evaluation in healthcare, with an emphasis on identifying, measuring, valuing an	d			
4	analyz	ring health outcomes and costs				
5	Under	estand approaches to identify and value costs and outcomes to include in economic evaluation				
6	Make	analyses of efficiency and quality of health care organizations				
7		etence to apply economic concepts and models to the fields of demand for health, demand for es, demand for health insurance, provision of health insurance and provision of health care.	or health			
Cou	irse Cor		I			
	ŀ	Introduction to Health Economics				
		Defining Health Economics. Importance of Health Economics – Essential Features.				
UN	IIT I	Basic concepts of health economics: Health, Health Care, Birth rate, Fertility rate, Death	10 hrs			
		rate, IMR, CMR, MMR, Morbidity rate (Acute and Chronic), Disability Adjusted Life Year				
		(DALY), Quality Adjusted Life Year (QUALY), Sex Ratio.				
		Demand for Health and Health Care				
		Welfare economics of medical care, production of health, demand for health and health				
UN	II TII	care, equity, efficiency and the need, link between development and health, investing in	10 hrs			
	health for economic development					
		Health Production Function				
		Nature of production function, different types of production function and their applications,				
		national and international perspective, distributional inequities in opportunity and				
UN	III TII	commercialization of medical and para-medical education, cost escalation in the health care	10 hrs			
		system, easy access and availability to appropriate technology, need for regulation and				
		control				
		Health Care Incentives, Costing and Financing(10)				
		Goals of health care provision and financing, competitive health insurance and risk				
		adjustment. Demand and supply of health insurance, asymmetric information and agency				
UN	IT IV	costing of health care market insurance, self-insurance and protection, employment based	10 hrs			
		insurance, health insurance in India, , public-private partnership and the role of state				
		instruce, neural instruce in maia, , puone private partiersinp and the role of state				
UN	IT V	Measuring and Valuing Health Outcomes	10 hrs			

	Measurement of health state utilities, QALYs and its alternatives- different approaches of valuing health, multi-attribute utility instruments and their development	
UNIT VI	Health Care in India Various health indicators and its recent trend, health care expenditures, target of health care and achievements, different options for financing healthcare, taxation, user fees, health insurance, role of urban and rural local bodies, role of WHO, economic impact of HIV/AIDS in India and gender issues	10 hrs

Text Books:

- 1. CII-Mckinsey Report, *Healthcare in India: The Road Ahead*, 2004.
- 2. Culyer, A. J. and J.P. Newhouse (eds.), Handbook of Health Economics, Volume 1 A & 1 B, North-Holland, 2000.
- 3. Folland, S., A.C. Goodman and M. Stano, Economics of Health and Health Care, Fifth edition, Pearson Prentice Hall, 2006.

Reference Books:

- 4. Pradhan, B.K. and R Sundar, Gender Impact of HIV and AIDS in India, United Nations Development Programme, 2006.
- 5. Pradhan, B.K. and R Sundar, Socio-economic impact of HIV AIDS in India, United Nations Development Programme, 2006.
- 6. Reports of WHO.

			PO-CO	O Complianc	e Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO 1	3		2					
CO 2	2	2	2					
CO 3	2		2					
CO 4	2	2	3	3				
CO 5	2		2					
CO 6	2	3		3	3			
CO 7		3	2	2				
*1. Low 2. N	Medium, 3: Hi	σh						

Course Name: International Economics and Policy (ECO711)								
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED						
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3						
Total: 3								
Course Pre-requisites:								
1 Must Complete the Pos	Must Complete the Post-Graduation and Knowledge of elementary International Economics and Trade.							

UNIT V	Open Economy Policy Analysis.	10 hrs			
UNIT I	The Theory of International Finance Prices in the open economy: purchasing power parity, Financial markets in the open economy, Open economy macroeconomics, exchange rate determination: Flexible prices: the monetary Model, Fixed prices: the Mundell-Fleming model, Coordination of Fiscal and Monetary policy under fixed and flexible exchange rate, Asset Market Model, Exchange rate dynamics, Expectations, Balance of Payment and adjustment Mechanisms, Foreign Trade Multiplier and repercussion effect				
	Barriers, Terms of trade, Protection, New Economic Policy				
UNIT I	Exim policy, ECGC, Export Promotion Councils, DGFT, Inco-term, Tariff and Non-Tariff	10 hrs			
	External Trade Policy.				
	trade better than no trade and free trade				
	From Trade, Inter and Intra Industry Trade Model, Free trade better than no trade, Restricted				
UNIT I		10 hrs			
	Stolper Samuelson theorem, Theory of Change in Factor Endowment, Factor Equalization				
	Theory of International Trade -II				
	Leontief Paradox,				
UNIT I	Theories (Vernon, Posner, Cannon) Technological dynamics, Factor intensity Reversal,	10 hrs			
	Mercantilist theory, Classical and Neo-classical (Adam Smith, Ricardo, J.S.Mill,H-O Model, Haberler), Theory of Opportunity Cost, New construction of Ricardian Theory, New Trade	40.			
Course	Content: Theory of International Trade -I				
po	icy analysis				
5	velop the understanding of Dollarization and optimum currency area and its impact on open e	conomy			
	ntify major recent developments in the world trading system, and be able to critically analyze keed both by the current round of WTO negotiations and by the spread of regional trading arrangements				
f1X	ed and flexible exchange rate system				
3	n ability to analyze the prices and fiscal and monetary policy coordination in an open economy ar	nd under			
	ies and countervailing duties	1 .			
- -	icy instruments such as tariffs, quotas, export subsidies, (b) retaliatory measures such as anti-c	dumping			
	ply partial equilibrium and general equilibrium models in analyzing the economic effects of (
1 be	ween them in terms of their assumptions and economic implications.				
	Outcomes: The students will be able to ompare at the level of formal analysis, the major models of international trade and be able to dis	tinguich			
11118	gration; international investment; internet commerce; and regulation.				
	netary and real/technological dynamics in open economies; globalization and regional integration	n; trade;			
	cy; international political economy, including international organizations and policy coop				
	phasizing both theoretical and empirical papers. In particular, the course focuses on comparative en				
	ernational Economics and Economic Policy focuses on contributions that are relevant to economic				
	Objective:				

International Monetary system, Euro currency, Euro dollar, Dollarization, SDR, China

10 hrs

UNIT V

	and reserve currency issues. Optimum currency areas and monetary union, Recent Financial crisis. Regional Trade Agreement, Economic Integration in North America, The European Union: Many Markets into One, ASEAN, Trade and Policy Reform in Latin America, Emerging Economies, BRICS and the world economy,	
	International Financial Architecture (5)	
UNIT VI	IMF, World Bank, WTO, GATT, UNCTAD, Reforming the international institutional architecture	10 hrs
Text Bool	KS:	
	 Pugel, T.A. (2008), <i>International Economics</i>, 13th Edition, Tata Mcgraw hill publishing O Delhi. 	
	 Bhagwati, J. N., A. Panagariya and T.N.Srinivasan(1998), Lectures on International Trade NewDelhi, Second Edition. 	le, OUP,
	 Krugman, P.A. and M Obstfeld (2003), International Economics: Theory and Policy, Sixt Salvatore Dominick (2010), International economics, 8th edition, Wiley Publication, New ISBN: 978-81-265-1413-7 	
Reference	e Books:	
	 Laurence Copeland(May, 2008), Exchange Rates and International Finance5th Edition Paperback, ISBN13: 9780273710271 	
6. I	Leamer, E.E. (1980). "The Leontief Paradox Reconsidered". Journal of Political Economy88: 495-	-503.
7. I	Haberler, Gottfried (1936) <i>The Theory of International Trade</i> , New York: Macmillan, ch. 12.	
	Balassa, B. (1963) "An Empirical Demonstration of Classical Comparative Cost Theory," <i>Review Economics and Statistics</i> 45: 231–8	of
	Chipman, J. (1965) "A Survey of the Theory of International Trade, Part I: The Classical Theory," <i>Econometrica</i> 33: 477–519.	
C	Shiozawa, Y. 2007 A New Construction of Ricardian Trade Theory—A Many-country, Many-com Case with Intermediate Goods and Choice of Production Techniques—, <i>Evolutionary and Institution Techniques</i> —, <i>Evolution Techni</i>	•
	Leontief, W. W. (1953). "Domestic Production and Foreign Trade: The American Capital Position examined". <i>Proceedings American Philosophical Society</i> 97 : 332–349.	Re-
C	Shiozawa, Y. 2007 A New Construction of Ricardian Trade Theory—A Many-country, Many-com Case with Intermediate Goods and Choice of Production Techniques—, <i>Evolutionary and Institution Economics Review</i> 3(2): 141-187.	-

- 13. R. Dornbusch; S. Fischer; P. A. Samuelson 1977 Comparative Advantage, Trade, and Payments in a Ricardian Model with a Continuum of Goods, *The American Economic Review*, **67**(5): 823-839.
- 14. Jones, Ronald W. 1961 Comparative Advantage and the theory of Tariffs; A Multi-Country, Multi-commodity Model, *Review of Economic Studies*, **28**(3): 161-175.
- 15. Y. Shiozawa (2007) A New Construction of Ricardian Trade Theory: A Many-country, Many-commodity with Intermediate Goods and Choice of Techniques, *Evolutionary and Institutional Economics*

Review,3(2): 141-187.

- 16. Heller, H. Robert (1968) *International Trade, Theory and Empirical Evidence*, Englewood Cliffs, NJ: Prentice Hall, ch. 4.
- 17. Rybczynski, T. M. (1955) "Factor Endowments and Relative Commodity Prices," *Economica*22: 336–41; reprinted in R. Caves and H. Johnson (eds) (1968) *Readings in International Economics*, Homewood, IL: Irwin.
- 18. Samuelson, P.A. (1949) "International Factor-Price Equalization Once Again," *Economic Journal* 59: 181–97.
- 19. Stolper, W. and Samuelson, P.A. (1941) "Protection and Real Wages," *Review of Economic Studies* 9: 58–73.
- 20. Vernon, R. (1966) "International Investment and International Trade in the Product Cycle," *Quarterly Journal of Economics* 80:190–207.
- 21. Balassa, B. (1975) "Trade Creation and Diversion in the European Common Market," *European Economic Integration*. Amsterdam: North-
- 22. Holland. Brown, A., Deardorff, A., and Stern, R. (1992) "North American Integration," *Economic Journal* 102: 1507–1518.
- 23. Frankel, J.(1997) *Regional Trading Blocs in the World Economic System*, Washington, DC: Institute for International Economics.
- 24. Hufbauer, G. and Schott, J. (1993) *NAFTA: An Assessment*, Washington, DC: Institute for International Economics.
- 25. Staiger, Robert (1995) "International Rules and Institutions for Trade Policy," in G. Grossman and K. Rogoff
- 26. Jackson, John (1997) *The World Trading System, Law and Policy of International Economic Relations*, 2nd edn, Cambridge, MA: MIT Press.
- 27. Amiti, M. and Freund, C. (2007) "An Anatomy of China's Export Growth," Paper prepared for Global Implications of China's Trade, Investment and Growth Conference, IMF Research Department.
- 28. Havrylyshyn, O. (1990) "Trade Policy and Productivity Gains in Developing Countries," *World Bank Research Observer*, 1–24.

			PO-CO	O Complianc	e Matrix			
	PO1	PO2	PO3	PO4	PO5	PO6		
CO 1	3	2	2		2	2		
CO 2		3						
CO 3	2	3	2	3	3	3		
CO 4	2		2					
CO 5	2	2	2		2			
*1. I 2.	M. J 2. II.	_1.					•	•

*1: Low, 2: Medium, 3: High

		Coi	urse Name: Poverty, Inequal	lities and Un	employment (ECO712)					
Т	гасиг	NG SCHEME	EXAMINATION SCH		CREDITS ALLOTED					
		3 hrs per week	End Semester Examination:		Theory: 3					
	neory.	3 ilis per week			Total: 3					
Co	urse Pre	-requisites:			10tal. 3					
1			-Graduation and Knowledge	of Developme	ent Economics.					
Cou	ırse Obj									
		This course ex	amines the economic dimens	sions of inco	me inequality, poverty, unemploym	nent and				
	discrir	nination. The cou	rse begins with a review of	some tools of	f economic analysis that are most u	iseful in				
	these	areas of econom	cs. The economic functions	of government	ent are discussed. Variations in ed	conomic				
	analys	is of markets and	government across the politi	cal economic	spectrum are examined. The main	body of				
	the co	urse then focuses	on economic facts, theories a	nd public pol	icies concerning income inequality,	poverty				
	and ur	employment. Thi	s course explores how the dis	scipline of eco	onomics can explain and analyse the	e causes				
	and ef	fects of poverty a	nd discrimination on various p	oarts of the po	pulation.					
Cou			ents will be able to							
1	Unde	rstand the differe	nt concept ways to measure po	overty and inc	dices of poverty					
2	Under	stand and analys	e the concept, trends and mea	asurement of	inequality in terms of theory and e	mpirical				
2	studie	S								
	Anal	yse the theoretics	l determinants of the persona	al and function	onal distribution of income and gov	ernment				
3	polici	es concerning inc	ome inequality global inequal	ity						
4	Analy	se the theories of	unemployment - efficiency w	age theory an	d collusive theory					
5	Under	estand and analyse	the different kinds of unemp	loyment India	1					
	Appre	eciate the concep	of the economics of discrir	nination, ana	lyse the data of discrimination, the	eoretical				
6	1	•	policies concerning discrimir		,					
		C								
7	Analy	se the issues on e	quitable and inclusive growth	with a focus	on the weaker section of the society					
Cou	irse Cor									
		Introduction ar								
UN	I TI	Overvi	ew of the Economics of Incom	ne Inequality	, Poverty and Discrimination, and	10 hrs				
		Unemployment								
		Concepts and M	Ieasures of Poverty							
		Introdu	ction to the Economics of	Poverty; Pov	erty Facts and Data; Theoretical	101				
UN	II TII	Causes of Pove	rty; Government Policies co	oncerning Po	verty, Poverty Measurement and	10 hrs				
		Issues in measu	ring poverty, FGT index, He	ead count rati	io, international poverty measure,					

	Human poverty index, Indian poverty measure Short-Run Poverty, Long-Run Poverty, and Intergenerational Poverty, Global Poverty, evolution of poverty policy, consequences of poverty and mobility	
UNIT III	Introduction to the Economics of Income Inequality, Income inequality: theories, empirical Studies: Tendulkar, Minhas, Sundaram, Sen, Income Distribution, Poverty & Discrimination: Facts, measurement of inequality (Lorenz curves and Gini coefficients, Inverted U Curve hypothesis), Theoretical Determinants of Personal Income; Theoretical Determinants of the Functional Distribution of (Capital and Labour) Income; Government Policies concerning Income Inequality Global Inequality Trends in Employment and Wages	10 hrs
UNIT IV	Unemployment- efficiency wage theory as an explanation for wage rigidity and involuntary unemployment, Collusive theory of unemployment. Employment and Training Programs, Labour Market Policies, Unemployment in India, Frictional, Structural, and cyclical unemployment	10 hrs
UNIT V	Discrimination and Welfare Reform Introduction to the Economics of Discrimination; Discrimination Facts and Data; Theoretical Causes of Discrimination; Government Policies concerning Discrimination, Measuring labour market discriminations, Anti-Discrimination Government Legislation and Policies, Welfare policies, Social Security	10 hrs
UNIT VI	Inclusive Growth Meaning, rural-urban gap, what can be done? Challenges of equitable and inclusive growth, specific focus on weaker section of the society	10 hrs
Text Books	 Lawrence Mishel, Jared Bernstein and Sylvia Allegretto, State of Working America, 2008 Cornell University Press, 2009 (M) Benerjee and Rufloo, "Poor Economics" Edward N. Wolff, Economics of Poverty, Inequality and Discrimination, South-Western, 1997(W) Bradley R. Schiller, Economics of Poverty and Discrimination, 9th ed., Prentice Hall, 2004 Randy Albelda, Robert Drago, and Steven Shulman, Unlevel Playing Fields: Understand Inequality and Discrimination, 2nd edition, Economic Affairs Bureau, Inc., 2005. (Denoted 	04 (S) ing
2. Fr 3. J. 4. Cl So	below.) Books: andy Albelda et al, The War on the Poor: A Defense Manual, New Press, 1996 (A) rank Ackerman et al, The Political Economy of Inequality, Island Press, 2000 (P) Teller-Ellsberg et al, Field Guide to the U.S. Economy – Revised and Updated, New Press, 2006 hanging Poverty, Changing Policies. Ch. 14, R. Haveman. —What Does it Mean to be Poor in a bociety? S. Census Bureau. 2009. Income, Poverty, and Health Insurance Coverage, Current Population	Rich

- (Washington, DC), available from: http://www.census.gov/prod/2009pubs/p60-233.pdf M. Orshansky. "Counting the Poor," Social Security Bulletin, 1965.
- Bradley R. Schiller, The Economics of Poverty and Discrimination, 10th edition, Prentice Hall, 2007. (Denoted 'EPD' below.)
- There will also be several readings found on e-reserve. More information will be handed out separately about how to access these readings. R. Blank, It Takes a Nation, 13-30.
- *M. Corcoran, 2008. —Childhood Poverty, Race and Equal Opportunity. I in S.B. Newman. Educating the Other America, pp 35-51. (Ctools)
- S.H. Danziger. (2007). —Fighting Poverty Revisited: What Did Researchers Know 40 Years Ago? What Do We Know Today?, Focus, vol. 25(1): 3-11, http://www.irp.wisc.edu/publications/focus/pdfs/foc251a.pdf
- 10. Changing Poverty, Changing Policies. Ch. 2, Meyer and Wallace, —Poverty Levels and Trends in Comparative Perspective Ch 3. Blank. —Economic Change and the Structure of Opportunity for Low-Skilled Workers. pp 35-91.
- 11. Emmanuel Saez, 2008. —Striking it Richer: The Evolution of Top Incomes in the United States (Update Using 2006 Preliminary Estimates. http://elsa.berkeley.edu/~saez/saez-UStopincomes-2006prel.pdf
- 12. C. Goldin and L.F. Katz. 2009. —The Future of Inequality; The Other Reason Education Matters So Much. Milken Institute Review, Third Ouarter, 2009, pp 27-33. http://www.economics.harvard.edu/faculty/goldin/files/GoldinKatz Milken.pdf
- 13. Changing Poverty Changing Policies. Ch 3. R. Blank Economic Change and the structure of opportunity for less-skilled workers. Pradhan and Roy, "Well-being of Indian households" Tata McGraw Hill, New Delhi

	PO1				1 atrix		
	101	PO2	PO3	PO4	PO5	PO6	
CO 1	3		2				
CO 2	3	3	3	2	2		
CO 3		3	2	2	2		
CO 4	2	3	2		3		
CO 5	2	2	2		2		
CO 6		3	3	3	3	3	
CO 7		3	2	2	2		

Course Name: Public Finance and Policy (ECO713)							
TEACHING SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED					
Theory: 3 hrs per week	End Semester Examination: 100 marks	Theory: 3					
		Total: 3					
Course Pre-requisites:							

Must Complete the Post-Graduation and Knowledge of macroeconomics.

Course Objective:

Role and functions of the Government in an economy have been changing with the passage of time. The term 'Public Finance' has traditionally been applied to the package of those policies and operations which involve the use of tax and expenditure measures. This course covers the rationale for government provision of goods in a market economy and the effects of taxes on economic efficiency. We will also contrast the traditional public finance view of the role of government with the public choice school of thought. The primary emphasis is on expenditures and taxes at the federal level. As a part of the broader fiscal restructuring plan of the central and state governments in India, reforms have been initiated with particular emphasis on radical reforms in indirect taxes both in terms of tax policy reforms like base broadening, elimination of tax concessions and reduction in the number of tax rates and rationalization of tax structures, as well as tax administrative reforms like modernization of tax administration and extensive use of IT.

		istrative reforms like modernization of tax administration and extensive use of 11.					
Cou	rse Out	comes: The students will be able to					
1	Dem	onstrate knowledge and understanding of public policy analytical tools.					
2	Evalu	ate applied theoretical and empirical work in policy-relevant research.					
3	Apply skills and knowledge acquired in the curriculum to analyze policy issues and make policy recommendations.						
4	Comr	nunicate complex ideas clearly and persuasively in written and oral forms.					
5	Develop knowledge and skills in public policy and to prepare students for a professional career or doctoral studies.						
6	Demonstrate substantial scholarship and the ability to conduct independent research and analysis in public policy.						
7	stude	igh completion of advanced course work and rigorous skills training, the pre-Ph.D. coursework puts to make original contributions to the knowledge of public policy and to interpret and press of such research.					
Cou	rse Co						
UN	Introduction Public Finance – Definition and Scope; Public and Private finance. The Role of the Government in a changing perspective, Fiscal Functions of the Government, Co-ordination among these functions.						
UN	IT II	Welfare Foundations of Public Economics Distinction between Private and Public Goods, Pareto Optimality, Theory of Second	10 hrs				

	best, Market Failure, Optimal provision of Public Goods, Free Rider Problem.The Pure								
	Theory of Publ	ic Goods by	y Samuelso	n.					
	Public Expend	liture							
	Growth and Structural changes in public expenditure, Wagner's Law, Peacock and								
UNIT III	Wiseman's hypothesis, Public Choice in Determining the Level of Public expenditure, Public								10 hrs
	expenditure on	health, edu	acation and	l subsidies in	India, Crit	eria for Ex	penditure	e Evaluation	
	- Valuation of Benefit and Cost, Choice of Discount rate.								
	Principles of T	Taxation							
UNIT IV			al Neutrality	, Excess Bu	rden, Princi	ple of Equi	ty, Benef	fit Principle,	10 hrs
CIVITIV	Bowen and Lin	•	·		•		•	1 ,	10 1113
	Tax policy and	d administi	ration						
	D.C	1.		CT 1	MODUAT	E CENTAL	TD XZ 1	A 11 1 T	
UNIT V				ture of India					10 hrs
	(VAT), Issue of taxation of services in India, Goods and Service Tax (GST), Problem of Tax								
	Evasion and Parallel Economy.								
	Issues on Federal Finance in India								
UNIT VI	Devolution Criteria, Division of fiscal powers between the centre and states and								10 hrs
ONII VI	local bodies, problems of inter-jurisdictional spillovers and issues of tax harmonization,								10 1118
	Report of lates	t Finance C	ommission.						
Text Books		(1000)							
	ichard A. Musgra ork.	ave (1989),	Public Fina	ince in Theor	ry and Pract	ice McGra	w Hill Bo	ook Company	, New
	I. GovindaRao ar	nd Tapas Se	en (1998) : I	Financial Fed	leralism in I	India, McM	Iillan, De	elhi	
3. A	run Kumar (1998	3) : Black E	conomy in	India, Pengu	in Books, N	lew Delhi.			
	uchaman J.M. (1	970), The F	ublic Finan	ices, Richard	D.Irwin, H	omewood			
Reference 5. H	Books: emlata Rao (200	6) Fiscal Fe	deralism –l	ssues and Po	licies New	Country P	ublicatio	ns New Delh	i
	tkinson A.B. and								
	lan, A. Tait, (197								
	omes R. and T.S		6) The theo	ry of Externa	alities, Publ	ic Goods a	nd Club (Goods, Cambi	ridge
	niversity Press, Cational Institute of		nance and I	Policy (1080). The Oper	ration of M	ODVAT	NIDED New	Delhi
<i>J.</i> 10	ational institute (or r done r r		O Compliance		ation of W	ODVIII,	THITT, INCW	Dellii
	PO1	PO2	PO3	PO4	PO5	PO6			
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CO 2 CO 3	3	3	3	2	3	3			
CO 4					3	3			
CO 5			3			3			
CO 6	2		3						
CO 7		3	2	3	3	3			
*1: Low, 2	: Medium, 3: Hig	gh							

		Cor	urse Name: REGIONAL ECONOMIC	ANALYSIS (ECO714)				
TI	EACHI	NG SCHEME	EXAMINATION SCHEME	CREDITS ALLOTED				
		3 hrs per week	End Semester Examination: 100 marks	Theory: 3				
				Total: 3				
Co		e-requisites:						
1		-	-Graduation and Knowledge of Developm	ent Economics.				
Cot	ırse Obj		creasingly recognized that market forces	do not regult automatically in re	gionally.			
	halana			•	•			
		_	of economics. For effective and meaningf		-			
		-	ped regions, it is necessary to understand					
		_	to the students the dynamics of regiona		ning and			
	conce	ots related to region	onal development to a broad overview of the	ne techniques of regional analysis.				
Cot			ents will be able to					
	Unde	erstand the basic	concepts of regional economics and iden	tify theoretical justifications for the	role of			
1	socio	economic and po	litical factors in regional development					
	Equir	pped with the basi	c knowledge on different models of regio	nal development and be able to app	lv those			
2	1 1	-	s of programs adopted to develop various	•	J			
		-						
2		-	ance of interregional trade and be able to it	dentify major issues and challenges	involves			
3	in inte	erregional trade						
4	Descr	ribe the role of var	ious developmental committees and comm	nissions in regional development in I	ndia.			
4	71	6 1 :		1				
5			of location and transportation with regar	ds to the development of various re	gions in			
5	the ec	onomy						
6	Identi	fy the major issue	s and concerns regarding the development	of various regions in Rajasthan				
	Anals	ze the Income and	d Employment Pattern across regions in In	dia				
7	Anary	ze the meome and	a Employment I attern across regions in in	uia				
Cot	ırse Coı							
		Basics of Region	nal Economics					
		Need for study of Regional Economics, Definition of a region, Different types of						
UN	I TIV	regions, Differences between region and a nation; Regional income, Problems of estimation, 10 hrs						
		Indicators of regional development, Social, Economic and Political factors in regional						
		growth.						
		Regional Allege	ation of resources I					
UN	II TII	Acgional Alloca	nuon of resources i		10 hrs			
		Balanced regional development; Cumulative Causation Models, Regional linkage-						

	spread and backwash effects; Regional Convergence and divergence theories, Regional] !
	Polarisation, regional Economic Multiplier.	
	Regional Allocation of resources II	
UNIT III	The basis of interregional trade, Regional trade and factor price equalization, Regional trade and factor migration, issues and challenges in regional trade	10 hrs
_	Transport costs	
UNIT IV	Location and regional growth, Transportation and regional growth, the role of cities in regional development, Thunen's, Weber's theory of location; Locational and weight triangles; Locational interdependence.	10 hrs
	Location	
UNIT V	Locational – Views of Christaller, Losch, Perroux, Florance, Hoover, Polander and Isaxd – Dynamic theory of regions. Hotelling Prinicple	10 hrs
	Regional Development in India:	
UNIT VI	Socio-Economic Regional imbalance in India; Regional planning; Rural urban inequality; Role of Planning commission and finance commission in regional development, Trends in Regional Disparities in Income & Consumption, Sectoral Income and Employment Pattern across regions, Spatial Concentration of Industries in Liberalised Regime, Trends in regional agro production and productivity, Regional Distribution of Infrastructure, Trends in regional disparities in Infrastructure. Key issues in regional development of Rajasthan.	10 hrs
Text Books		
	delman, I. and C.T. Morris (1973) – Economic Growth and Social Equity in Developing Coanford, USA	ountries,
	hluwalia, M. (1976) – "Inequality, Poverty, and Development", Journal of Development Eco ol. 6	onomics,
3. A	nand, S. and R. Kanbur (1993) - "The Kuznets Process and the Inequality-Development Relati	onship",
Jo	urnal of Development Economics, Vol. 40	
	ard, Welter, (1976), Methods of Regional Analysis, The M.I.T. Press Massachusetts and Londorngland, Chaps, 4,6,7,9 & 11.	1,
Reference 5. A	Books: nand, S. and R. Kanbur (1993a) – "Inequality and Development: A Critique", Journal of Deve	lopment
J. 71	and Development 17 Studies, Souther of Deve	- Sp.mom

6. Hoover, Edgar M., An Introduction to Regional Economics. New York. Alfred A. Knopf, 2nd edition.

Economics, Vol. 41

- 7. Kuznets, S. (1955) "Economic Growth and Economic Inequality, American Economic Review, Vol. 45,
- 8. Kuznets, S. (1963) "Quantitative Aspects of Economic Growth of Nations: VIII, Distribution of Income by Size", *Economic Development and Cultural Change*, Vol. 12.
- 9. Mathur, Ashok (2000), National and Regional Growth Performance in the Indian Economy, in Reform and Employment, New Delhi, IAMR and Concept Publishers.
- 10. Needleman, L., (ed.), 1968), Regional Economics, Penguin Books Ltd., Part-II, Cha. 4.
- 11. Parioff, Harvey et. al., Regions, Resources and Economic Growth. University of Nebraska Press, Lincoin USA. Part II, pp.55-104.
- 12. Richardson, Harry W., (1976): Regional Economics, Weidenfold and Nicoloson, London, Chaps. 1 to 5,7,9& 13.
- 13. Shand, Ric and S. Bhide (2000), "Sources of Economic Growth: Regional Dimensions of Reforms," Economic and Political Weekly, Vol. 35, No. 42, October 14.
- 14. Smith, David, (1971), Industrial Location: An Economic Geography Analysis, Hohn Wiley, New York.

			PO-CC	O Complianc	e Matrix				
	PO1	PO2	PO3	PO4	PO5	PO6			
CO 1	3		3			CO 1			
CO 2	3		3			CO 2			
CO 3	3		3			CO 3			
CO 4	2		2			CO 4			
CO 5	2		2			CO 5			
CO 6	2		2			CO 6			
CO 7		3	2	3	3	CO 7			
3.4 Y 0.3.5	#4 T								

*1: Low, 2: Medium, 3: High