

HUMANITIES AND SOCIAL SCIENCES

PROFESSORS

| | | |
|-------------------------|--------|--------------|
| Boruah BH | boruah | 7931 |
| Dixit Shikha | shikha | 7157 |
| Krishnan L | lk | 7287 |
| Neelakantan G (Head) | gn | 7872 7510 |
| Pattnaik BK | binay | 7925 |
| Raina AM | achla | 7894 |
| Rath Binayak | brath | 7155 |
| Saxena KK | kks | 7129 |
| Sharma AK | arunk | 7946 |
| Sinha AK | aks | 7186 |
| Sinha S | suraji | 7268 |

ASSOCIATE PROFESSORS

| | | |
|-----------------|----------|------|
| Jha Munmun | mjha | 7615 |
| Mathur Suchitra | suchitra | 7836 |
| Ravichandran T | trc | 7871 |
| Tomy CA | cat | 7633 |

Convenor, DUGC : Mathur, S. suchitra 7836

Convenor, DPGC : Raina, AM achla 7894

Faculty Counsellor:

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ASSISTANT PROFESSORS

| | | |
|-------------------|----------|------|
| Bhushan Braj | brajb | 7024 |
| Chandran Mini | minic | 7191 |
| Kumar Ravi Priya | krp | 7750 |
| Madan A | amman | 7073 |
| Mathur S. K. | skmathur | 6240 |
| Prasad PM | pmprasad | 7693 |
| Roy Satyaki | satyaki | 7616 |
| Saha Bhattacharya | Sarani | 7064 |
| Singh SK | sanjay | 7501 |

LECTURERS

| | | |
|-----------------|-----------|------|
| Chakrabarti, A. | aninditac | 6138 |
| Patil K.P. | kpatil | 7616 |
| Sarma AVRS | avrs | 6137 |

The emphasis on teaching of humanities and social sciences for the overall intellectual and social development of the students of technology is an important feature of the undergraduate curriculum at IIT Kanpur. This education intends to expand the students' horizon of knowledge by exposing them to areas of study which make them sensitive to a wide range of human problems and social phenomena. Such a holistic education, it is hoped, would enable them to appreciate their role in national reconstruction by responding to the challenges of the time. The Department consists of six major disciplines: Economics, English (including Linguistics), Fine Arts, Philosophy, Psychology and Sociology. The department offers a five-year integrated M.Sc. programme in Economics and Ph.D. programmes in all disciplines except Fine Arts. **Admission to the M.Sc. programme is through the Joint Entrance Examination (JEE) and there is no need to have economics as a prerequisite for this at the 10+2 level.** The structure of the Ph.D. programme at IIT Kanpur is somewhat different from that in the universities. Admission to the programme is based on an all-India qualifying test like CSIR/UGC/GATE and a subsequent interview which may be supplemented by a written test. After admission, students are required to pass eight advanced level courses in their areas over a period of two semesters. Thereafter, they prepare themselves to take the comprehensive examination, which tests their overall preparedness for undertaking research. Only when these requirements are successfully met, is the candidate admitted to Ph.D. candidacy and allowed to work on his/her thesis. Students are normally required to complete their research work within four years from the date of their enrolment in the programme.

**CURRENT COURSE STRUCTURE FOR M.Sc. (5-YEARS) STUDENT
ECONOMICS**

| SEMESTER | | | | | |
|--|----------------|----------------|----------------|----------------|-----------------|
| C O U R S E | FIRST | SECOND | THIRD | FOURTH | FIFTH |
| | COM 101 | TA 101 | MTH 203 | HSS-I-2 | HSS-II-1 |
| | PHY 101 | PHY 103 | CHM 201 | ESO 209 | ECO 311 |
| | MTH 101 | MTH 102 | TA 201 | ECO 202 | ECO 321 |
| | ESC 101 | ESC 102 | ESO-1 | ECO 231 | ECO 333 |
| | PE 101 | ECO 100 | ECO 201 | OE-1 | ECO 341 |
| | HSS-I-1 | PE 102 | | | |
| ENG 112 | | | | | |
| SEMESTER | | | | | |
| | SIXTH | SEVENTH | EIGHTH | NINTH | TENTH |
| | ECO 303 | ECO 413 | ECO 423 | ECO 535 | HSS-II-2 |
| | ECO 312 | ECO 422 | ECO 424 | ECO 543 | ECO 599 |
| | ECO 332 | ECO 434 | NDE - 2 | ECO 598 | DE - 5 |
| | DE - 1 | DE - 2 | DE - 3 | DE - 4 | DE - 6 |
| | OE-2 | NDE - 2 | OE - 3 | OE - 4 | OE - 5 |

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|---------|--------------------------------|---------|------------------------------------|
| | | ECO 201 | Microeconomics I |
| CHM 201 | Chemistry | ECO 202 | Macroeconomics |
| ESO | Engineering Science Option † | ECO 231 | Economic Problems and Policy |
| ESO 209 | Probability & Statistics | ECO 303 | Microeconomics II |
| HSS | Humanities & Social Sciences | ECO 311 | Econometric Methods |
| MTH 203 | Mathematics-III | ECO 312 | Econometric Practice |
| TA 201 | Manufacturing Processes | ECO 321 | Industrial Economics |
| | | ECO 332 | Development Economics |
| DE | Departmental Elective | ECO 333 | Money and Banking |
| NDE | Non Departmental Elective | ECO 341 | Environmental Economics and Policy |
| OE | Open Elective | | ECO 413 Planning Techniques |
| | (any course in any Department) | ECO 422 | Economics of Regulation and IPR |
| ECO *** | Professional Courses | ECO 423 | Financial Economics |
| | | ECO 424 | Economic Analysis of Law |
| | | ECO 434 | International Economics |
| | | ECO 535 | Public Economics |
| | | ECO 543 | Environmental Impact Analysis |
| | | ECO 598 | Project-I |
| | | ECO 599 | Project-II |

* Students are not entitled for economics courses in HSS-II, HSS-III and HSS-IV

† Engineering Science Options must be chosen from the list of courses as advised by the Convenor, DUGC

DEPARTMENTAL ELECTIVES FOR ECONOMICS

**ECO 404, ECO 405, ECO 406, ECO 407, ECO 408, ECO 425, ECO 442,
ECO 514, ECO 526, ECO 527, ECO 528, ECO 536, ECO 537, ECO 544,
ECO 545, ECO 546, ECO 547**

| | |
|---------|---|
| ECO 404 | History of Economic Thought |
| ECO 405 | Contract Economics |
| ECO 406 | Economics of Research & Development |
| ECO 407 | Monetary Economics |
| ECO 408 | Advanced Macroeconomics |
| ECO 425 | Network Economics |
| ECO 442 | Energy Economics |
| ECO 514 | Input-Output Techniques |
| ECO 526 | Economics of Biotechnology |
| ECO 527 | Multinational Enterprises |
| ECO 528 | Computational Finance |
| ECO 536 | Regional Economics |
| ECO 537 | Law, Technology and Public Policy |
| ECO 544 | Human Development |
| ECO 545 | Health Economics and Health Care Policy |
| ECO 546 | Transport Economics |
| ECO 547 | Water Resource Economics |

COURSE DESCRIPTION

ART 101

L-T-P-D-[C]

3-0-1-0-[4]

INDIAN ART AND CIVILIZATION

Introduction to Early Civilization of Mesopotamia Egypt, Indus Valley Civilization, Early Civilization in India, Maurya Period, Art of Gandhar, Gupta Period, Medieval Period, Art under Rajput Influence, Art under the Mughal Dynasty, colonial Period in India.

Studio: to familiarize with various 2-D & 3-D media works.

ART 102

L-T-P-D-[C]

3-0-1-0-[4]

INTRODUCTION TO ART CRITICISM & APPRECIATION

Introduce fundamental visual skills and analytical skills, Critical thinking about various forms of art, and close observation of art and performing art.

Principles of Analysis of Art, Art and perception, What is Style?, Style in Painting, Colour, Psychology of Colour Perception & Design, Space Illusion, Painting, Sculpture, Style in Sculpture Architecture, Style in Architecture, Space in Architecture, Print-making, Photography & Film, POP Art- Comics, Advertisements etc, Performing Art, Methodology of Criticism & Appreciation.

Studio: 2-D Exercise, Printmaking, 3-D Exercises, Sculpture, Field Trip.

ART 103

L-T-P-D-[C]

3-0-1-0-[4]

INTRODUCTION TO WESTERN ART

Outline history of Western Art with continuous weaving and changing of traditions from the prehistoric and primitive culture through the different periods and styles up to the early decades of 19th century art practices - the contents span from Art in the Ancient World (Prehistoric, Egyptian, Ancient Near Eastern, etc.), the Middle ages (early Christian, Byzantine, Romanesque, etc.), Renaissance to the Rocco and an introduction to modern World; Theoretical principles for painting; An introduction to the visual analysis and criticism of art-reading an art object, Fundamental concepts of two-dimensional and three-dimensional forms.

Studio : Lab sessions involves practical exercises, demonstrations and related studio projects to explore technicalities and familiarize with various 2-D and 3-D media works in context of developments in western art.

ART 104

L-T-P-D-[C]

3-0-1-0-[4]

ARCHITECTURE & ENVIRONMENTAL DESIGN

Man-made Environment and Natural Environment Primary Function of Enclosed Space-shelter building, material consideration, Introduction to Architecture- what is architecture, difference between building and architecture.

Principle of Architecture, Traditional design in architecture-Vastu Shashtra ancient principles in architecture & town planning, Modern Architectural Principles-Industrial Revolution and modern building concept of houses and multi-story building.

Relationship between Environmental Design and Architecture, Principles of Environmental Design, Traditional Concept of Environmental Design, Environmental Design and Landscaping, Modern Environmental Design concept in urban planning

Studio: Scale model and field survey

ECO 100

L-T-P-D-[C]
2-0-0-0-[0]

INTRODUCTION TO PROFESSION

For whom the bell tolls; What is economics?; Basic concepts of supply and demand; Central Problems of very economic society; Development, freedom and opportunities; Dilemma of development; Linkages between technology, economics and environment; Business organizations and income; The role of economist in business and industry; The role of economist in societal development; The role of economist in governance

ECO 201

L-T-P-D-[C]
3-1-0-0-[4]

MICROECONOMICS I

Theory of consumer behavior; Theory of demand and supply; Production theory; Costs of production; Markets - Perfect competition, Monopoly oligopoly; Theory of distribution; Pricing.

ECO 202

L-T-P-D-[C]
3-1-0-0-[4]

MACROECONOMICS

Prereq. #

Introduction; Circular Flow of Income, Output and Expenditure; National Income Accounting Methods; Classical Models; Consumption Function, Keynesian Cross Model and Expenditure Multiplier; Investment Function; Govt. Expenditure and Fiscal Policy; Demand for Money; IS-LM Model; Aggregate Demand and Supply Functions; The Theory of Inflation; Macroeconomic Stabilization Policies; Theories of International Trade and Balance of Payment

ENG 112C

L-T-P-D-[C]
3-1-0-0-[4]

ENGLISH LANGUAGE AND COMMUNICATION SKILLS

This course imparts training in the use of English language for communicative purposes, and aims to develop reading comprehension, writing, listening, and spoken language skills of the student. The Language Lab component seeks to provide training in pronunciation and listening skills. Instruction is carried out in small tutorial groups for effective individual attention.

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| <p>ENG 122 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>INTRODUCTION TO LINGUISTICS</p> <p>Introducing Language, Language as a cognitive faculty, Language as a socio-cultural artifact, Language and communication, Natural Language and Artificial Language, Natural Language and Animal Communication Systems, Evolution of Language, Linguistics as a Language Science, Ancient Indian Linguistics, Modern Linguistics, Understanding Language, Language and Society, Applying linguistics to computer processing of natural language.</p> |
| <p>ENG 123 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>INTRODUCTION TO LITERATURE</p> <p>Nature and Functions of Literature, Literature and Society with special reference to Indian Literature and Society, Literary Forms, Poetry, Drama, Fiction, Essay, Autobiography, Approaches to the Study of Literature, Reader response to the study of Literature, Interpretation, Appreciation, Evaluation, Special problems in understanding Modern Literature.</p> |
| <p>ENG 124 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>LANGUAGE AND SOCIETY</p> <p>The objective of this course is to sensitize students to the social dimension of language. Topics of study include problems of definition, multilingual communities, dominance and conflict, shift and attrition, language and the state, language and nation, Indian multilingualism, language variation, language and identity, linguistic prejudice and inequality, standardization, linguistic determinism, critical discourse analysis, and methodological issues.</p> |
| <p>PHI 140 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>INTRODUCTION TO INDIAN PHILOSOPHY</p> <p>The method Purvapaksa-Siddantha method and Pramana method</p> <p>The Most Common Presuppositions : The Theory of Karma and Dharma</p> <p>The Astika-Nastika (orthodox-heterodox) division</p> <p>The Debate about Knowledge : its Sources, Forms and Validity</p> <p>Epistemic and Metaphysical Ignorance as well as knowledge</p> <p>The Ultimate Reality and the Paths to it.</p> |
| <p>PHI 141 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>INTRODUCTION TO PHILOSOPHY</p> |

General Introduction to the Course; Nature of Knowledge; Sources of Knowledge; The Problem of Perception; Skepticism; Kinds of Metaphysics; Metaphysical Systems; Mind-Body Dualism; Proofs for the Existence of God; Positivist Critique of Metaphysics; Normative Ethics; Meta-Ethics; Free will and Moral responsibility.

PHI 142

L-T-P-D-[C]

3-1-0-0-[4]

INTRODUCTION TO LOGIC

Introduction : Business of Logic; Sentential Connectives; Interdefinability and Dependencies Between Propositions; Decision Procedures; Techniques of Proof construction; Introduction To Predicate Logic; Arguments involving General Propositions; Relational Propositions and Relational Arguments; Identity and Definite Description; Property variables and Properties of properties; Formal Deductive systems and their Properties.

PSY 151

L-T-P-D-[C]

3-1-0-0-[4]

INTRODUCTION TO PSYCHOLOGY

Psychological Perspectives and Approaches; Perception; Learning; Memory; Higher Cognitive Processes; Motivation and Emotion; Intelligence; Personality; Individual Differences.

PSY 152

L-T-P-D-[C]

3-1-0-0-[4]

APPLICATION OF PSYCHOLOGY TO LIFE

Nature and scope of applied psychology; historical perspective; areas of applied psychology, Roles and skills of applied psychologists; ethical issues in applied psychology, Clinical and counselling psychology, Educational psychology, Community psychology and mental health, Ecological Psychology, Industrial and organizational psychology, Legal Psychology.

SOC 171

L-T-P-D-[C]

3-1-0-0-[4]

INTRODUCTORY SOCIOLOGY

Sociology as a Science of Human Society: Introduction:- Basic concepts (Roles, Norms, Values, Groups and Institutions), Social Structure, Culture, Perspectives (Functionalist, Conflict & Interactionist),

Social Institutions:- Social Stratification, Family and marriage, Organizations: Formal & Informal, Religion,

Social Processes of Change:-Defining social change, various processes of change like Urbanization, Industrialization, Modernization (Social mobilization and differentiation, structural differentiation, consensual mass tendencies, etc.)

SOC 173

L-T-P-D-[C]

3-1-0-0-[4]

INTRODUCTION TO INDIAN SOCIETY

Indian Sociology: An Introduction, Social Roots of Indian Society:-Vedic heritage, Brahminic, Islamic, British, Indian Social Structure:-Rural Context, Urban Context, Indian Social Institutions and Organisations-Family, Marriage, Jajmani Relation, Caste and Tribe, Religion and education, Social Movements in India:-Reformist, Nationalist, Agrarian, Backward Caste, Processes of Social Change in India, Westernization, Sanskritisation, Contemporary Social Problems. Secularism, Common civil code, Reservation policy, Demographic transition, etc.

ART 402

L-T-P-D-[C]

3-0-1-0-[4]

MODERN ART

Neoclassicism, Romanticism, Realism, Impressionism & Post-Impressionism, Impressionism & Post-Impressionism, Fauvism, Expressionism, Cubism, Futurism, Constructivism, Suprematism, De Stijl- Pure Plastic Art' & 'Neo-Plastic Art' Bauhaus, Dada & 'Ready Made', Surrealism, POP and OP Art, Minimalism, Conceptual Art, Comic Art.

Studio: Familiarize with various 2-D & 3-D media works, Field Trip.

ART 404

L-T-P-D-[C]

3-0-1-0-[4]

ENGINEERING DESIGN-AN ART

Creativity in Design, Philosophy & Aesthetics Relationships between Science, Technology & aesthetics Engg. Design Problem & Aesthetics Craft and Industrial Design.

Design-structure, construction Architecture & Urban Planning Landscaping & Ecology Environment and Architecture.

Form and context of Product Design, Bauhaus, Product Design & Aesthetics, Design Paradigm, Design Process, Manufacturing Process, Costing, and Ergonomics.

Projects Execution: 'The projects are to be executed by groups of students consisting three members in each group. In middle of the semester each group would do the project presentation (conceptual). The project execution includes-innovative ideas, simple solution of the problem, detailed lists of plan of execution, detailed plan of action in steps, and fabricate a functional or scaled model. Project presentation at the end of the semester.

ART 405

L-T-P-D-[C]

3-0-1-0-[4]

ARCHITECTURE & ENVIRONMENTAL DESIGN

Primary function of enclosed space, Concept of space in design, Comparison between architecture & building, Principles of Architecture, Man made environment & natural environment.

Architecture & Environmental Design history, New material concepts in Modern Architecture Environment and architecture

History of ancient urban planning, Modern urban planning, Environmental Design problem in Developing Countries, Environmental Conflicts, Optimal structure configuration.

Studio : Scale model project execution.

ART 406 ENVIRONMENTAL DESIGN & ETHICS

L-T-P-D-[C]
3-0-1-0-[4]

Understanding of environmental issues viewed from interdisciplinary perspective; Introduction to Environmental Ethics; Man and Nature relationship through philosophy, religion and ethics.

Introduction to the history of architecture related to environment, New material concepts in Modern Architecture, Environment and architecture, Traditional Indian architecture, Town Planning & Vastu Shashtra

Modern architecture, environmental design and Landscaping; Modern Urban Planning; Ethical issues related to various modern environmental problems, Environmental Design problem in Developing Countries.

Studio: (i) Environmental Ethics related problem survey and presentation.
(ii) Scale Model - Landscaping & Environmental Design.

ART 407 ENGINEERING DESIGN – CREATIVITY, CONCEPT & PRACTICE

L-T-P-D-[C]
3-0-1-0-[4]

Creativity in Design; What Is Design ?, Design Process, Nature and Scope of Engineering in Human Society

A short history of Engineering Education at Bauhaus, Creativity of Design Concept, Design Philosophy, Design Principle, Art (Aesthetics) in Industrial Design, The principles of Modern Design from, shape, color, texture ets analysis.

What is Problem?, Problem definition or formulation, Creating Forms, Configuration Optimization, Decision Making, Uncoupled, Decoupled and Coupled Design, Products of Static and Dynamic Society

Colour Aesthetics, Difference between Products, Design & Industrial Design, Ergonomics, Brand Positioning, Legal Issues in Product Design.

Studio Work : Product design project (proto-type of functional model)

**ART 408/
CSE 468/
ME 458**

VISUAL COMMUNICATION

L-T-P-D-[C]
2-2-0-0-[4]

Principles of visual display, layout design and goal-oriented communication

Static, dynamic, interactive and multimedia visual communication, Layout and design of textual information

Design and development of animation/film, Presentation; Visual communication over Internet, Data representation, data compression and data Communication, Issues in visual communication, media study.

Studio: Related Project Execution.

ART 409

L-T-P-D-[C]

3-0-1-0-[4]

DESIGN PARADIGM

- (i) Introduction to Design Paradigm : Recognizing Design Paradigm; Paradigm as Metaphor; Design and Nature; The Human Body; Where does Form come from ? Simple Shape Analysis - The Platonic Solids, Ball Sheet, Tube, etc. Concept of Enclosure; Bending and Flexing; Bigger and Smaller; Binary Relation; Multiple Object Relations; Objects with in Objects; Multi-function Objects.
- (ii) Design Paradigm and Practice; In this module students will be encouraged to make conceptual project proposal and possible applications.
- (iii) Related Studio Projects exploring the principles of paradigm.

ECO 231

L-T-P-D-[C]

3-1-0-0-[4]

ECONOMIC PROBLEMS AND POLICY

Global economic issues and challenges; From global to national issues; Economic institutions: markets, government, and social groups; Indian economic issues and policy; Indian agriculture and rural economy; Industrial economy; Policy towards social infrastructure; Trade and foreign exchange policy; Policy towards international capital flow

ECO 303

L-T-P-D-[C]

3-1-0-0-[4]

MICROECONOMICS II

Prereq. #

Non-cooperative games; Simultaneous moves games; Dynamic games; Cases of Incomplete Information, Information asymmetry and adverse selection; Principle agent model; Theory of welfare; General equilibrium theory; Pine exchange economy; Fundamental theory of welfare economics; 2 x 2 production model; Stoper - Samvebon theories; Rybctynsti theory; Social choice theory

ECO 311

L-T-P-D-[C]

3-1-0-0-[4]

ECONOMETRIC METHODS

Methodology of econometrics; The nature of regression analysis; Assumptions of the classical lineas ugeension Models; Two variable regression analyses; Multiple regression analyses; Hetesoscedasticity, Autocorelation and Malticollinearity; Dummy variable regression models; Model Selection; Qualitative response regression models; Lagged variables; Panel data regression models;

Dynamic econometric models; Simultaneous equation models; Time series econometrics; Non-linear regression models

ECO 312 ECONOMETRIC PRACTICE Prereq. #

L-T-P-D-[C]

3-1-0-0-[4]

Economic theory and econometrics; Types of models; Sources of data; Microeconomic models; Models of the firm and industry; Applications to development economics; Macroeconomic models; Models of international trade and finance; Deterministic and stochastic models

ECO 321 INDUSTRIAL ECONOMICS Prereq. #

L-T-P-D-[C]

3-1-0-0-[4]

Introduction; Basic concepts in Game Theory; Technology, Production Cost and Demand; Perfect Competition, Monopoly and Monopolistic Competition; Foundations of Oligopoly Theory; Markets for Homogeneous Products; Markets for Differentiated Products; Concentration, Mergers and Entry Barriers; Strategic Behavior: Investment in Entry Deterrence; Pricing Tactics: Discriminatory Pricing; Marketing Tactics: Bundling, Upgrading and Dealership; Quality, Durability and Warranties; Advertising; Collusion and Cartels; Market Structure, Entry and Exit; Vertical Restraints; Research and Development; Empirical Studies on Structure-Conduct-Performance Relationship; Empirical Studies on Market Performance; Management, Compensation and Regulation

ECO 332 DEVELOPMENT ECONOMICS Prereq. #

L-T-P-D-[C]

3-1-0-0-[4]

Trends in international development; Perspective and methodological issues involved in growth and development; The development indices; Basic features of underdeveloped countries/ LDCs; Dualistic development; The stages of economic development; Theories of development; Strategies and policies towards development; Nurksian strategy; Strategy towards foreign capital / external finances; Strategy towards imports /export balance of payments; Balanced / unbalanced growth approach; Sectoral strategy; Some recent contributions to development theory; The global strategy: new international economic order (NIEO); The policy of structural adjustment; Project assignment

ECO 333 MONEY AND BANKING Prereq. #

L-T-P-D-[C]

3-1-0-0-[4]

Functions of Money and Interest Rates; Money Supply; Money Market; Regulatory and promotional institutions; Banking institutions; and Term structure of Interest Rates.

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| ECO 341 L-T-P-D-[C] 3-1-0-0-[4] | ENVIRONMENTAL ECONOMICS AND POLICY Introduction; Social Choice : How much environmental protection; Market failure: Public bad and externalities; Internalisation of externalities; Regulation : Emission Fees & Marketable permits; Environmental valuation; Hedonic price method, household production model & constructed markets method; Transboundary pollution Sustainable development; Economics of natural resources, Natural resource accounting; The environmental issues and policies in India. | Prereq. # |
| ECO 404 L-T-P-D-[C] 3-1-0-0-[4] | HISTORY OF ECONOMIC THOUGHT Introduction; Social Choice : How much environmental protection; Market failure: Public bad and externalities; Internalisation of externalities; Regulations : Emission Fees & marketable permits; Environmental valuation; Hedonic price method, household production, model & consolouted markets method; Tronsboundary pollotion Sustainable development; Economics of natural resources, Natural resorces accounting;The environmental issues and policies in India. | Prereq. # |
| ECO 405 L-T-P-D-[C] 3-1-0-0-[4] | CONTRACT ECONOMICS Introduction; Economics of contracts (adverse selection and moral hazard); Hidden action, monitoring, and control; Efficient contracts; Transfer prices; Contingent claims; Principal agent models; Incomplete and incentive contracts; Implicit contracts; Auctions and bidding; Regulation of contracts | Prereq. # |
| ECO 406 L-T-P-D-[C] 3-1-0-0-[4] | ECONOMICS OF RESEARCH AND DEVELOPMENT Introduction; Technology and technological change; Innovation and growth; Market failures and technology; Schumpeterian perspective: evidence on big vs. small firms; Technology and market structure - the determinants of innovation; Models of innovation: product and process innovation; Product life cycles theories; R&D and licensing; Methods of appropriating rents - patents, secrecy, and IPR; Adoption, imitation, and diffusion of innovation; Firm-level strategic decisions; Technology financing and technology joint ventures; National technology policy - patents, R&D policy, public research etc.; International trade and technology; International technology transfer; Research policy | Prereq. # |
| ECO 407 L-T-P-D-[C] 3-1-0-0-[4] | MONETARY ECONOMICS Demand for money; Supply of money; Monetary aggregates; Neutrality of money; Money in a growth model; Money in an OLG model; Central bank goals, targets, and instruments; Time consistent versus discretionary policies; Credible monetary policy | Prereq. # |

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| ECO 408 L-T-P-D-[C] 3-1-0-0-[4] | ADVANCED MACROECONOMICS Introduction; The Solow growth model; Infinite-horizon and overlapping-generation models; New growth theory; Real-business-cycle theory; Traditional Keynesian theories of fluctuations; Incomplete nominal adjustment; Consumption and investment; Search frictions and unemployment; Inflation and monetary policy; Budget deficits and fiscal policy | Prereq. # |
| ECO 413 L-T-P-D-[C] 3-1-0-0-[4] | PLANNING TECHNIQUES Social accounting matrix; Leontief's open and closed I-O models; Multipliers and linkages in the I-O model; Organization of basic data for I-O models; Identification of the key sectors; Role of project in development planning; Project development cycles; Capital budgeting decisions; Commercial profit vs. social profitability analysis; Methods of measurement of benefits and costs of projects; Case studies | Prereq. # |
| ECO 422 L-T-P-D-[C] 3-1-0-0-[4] | ECONOMICS OF REGULATION AND IPR Introduction; Rationale for regulation and antitrust; Regulatory practices, rules vs. implementation agencies; Regulatory capture; Discriminatory pricing; Controlling franchises; Public enterprise regulation; Restructuring and deregulation of key sectors such as energy, transport etc.; Externalities, environmental concerns, and controls; Product quality, safety, and health issues; Patents; Copyrights; Trademark and Service Mark; Industrial Designs Registration; Protection of Layout of Designs Integrated Circuit; Protection of New Plant Varieties; Antitrust Policy and IPR; Agreements and IPR Linkages; Litigation; Continuous Issues in IPR (Such as Biotechnology and IPR, TRIPS and Access to Medicines, etc.). | Prereq. # |
| ECO 423 L-T-P-D-[C] 3-1-0-0-[4] | FINANCIAL ECONOMICS Basic accounting principles; Basics of financial markets; Return, risk and risk aversion; How securities are traded?; Mutual funds and the institutional environment; Portfolio selection; The capital asset pricing model; Index models and the arbitrage pricing theory; Empirical evidence of market returns; Market efficiency; Bond prices and yields; The term structure of interest rates; Managing bond portfolio; Security analysis; Options and other derivatives; Option valuation; Futures and forward markets; Portfolio management techniques | Prereq. # |
| ECO 424 L-T-P-D-[C] 3-1-0-0-[4] | ECONOMIC ANALYSIS OF LAW Introduction to economic analysis of law; Economic theory of property law; Contracts and warranties; and Economic theory of tort law in addition, The course focuses on any are of the following madule(s) : Economic crimes and | Prereq. # |

penalties; Economic theory of administrative law; Corporations and corporate finance; Economic analysis of labor law; Economic analysis of competition law; Project assignment

ECO 425 **NETWORK ECONOMICS** **Prereq. #**
L-T-P-D-[C]
3-1-0-0-[4]

Overview of network industries; Information and scale economies; Switching cost, lock-ins and network structure; The network economy and regulatory/antitrust policies; The Microsoft antitrust case; Versioning, intellectual property rights management and standards; Financial assessments of network firms and the future; The hardware industry; The software industry; Telecommunication; Broadcasting and markets for information; Network structures in the airline industry

ECO 434 **INTERNATIONAL ECONOMICS** **Prereq. #**
L-T-P-D-[C]
3-1-0-0-[4]

Global trade in goods and services; Why study international trade and finance; Growth and trade; Basic theory of international trade; Theory of comparative advantage; Implications of Heckscher-Ohlin theory; Alternative theories of trade; Empirical Tests of Trade Theories; International trade and technical change; Economics of import tariff; Non-tariff import barriers; Arguments for and against protection; Regional trading blocks; Trade policies for development; International factor movements; Exchange rate and open economy; Internal and External Balance with Fixed and Flexible Exchange rate; Foreign exchange markets and exchange rates; Balance of payments; International monetary system; Benefits and costs of the Globalization Process.

ECO 442 **ENERGY ECONOMICS** **Prereq. #**
L-T-P-D-[C]
3-1-0-0-[4]

Introduction: energy and economics; Trends in energy production and consumption; Economic efficiency, growth, and modeling; Economic theory of natural resource extraction; The primary (extractive) energy industries (oil and natural gas); The electric utility industry; Electric utility and regulation; Renewable energy sources and energy conservation; Energy and air pollution; Global effects of energy use; Energy issues in India

ENG 423 **CURRENT ISSUES IN LINGUISTICS**
L-T-P-D-[C]
3-1-0-0-[4]

Conceptualising language: Internalised and externalised language, Study of I-language: Boundaries, methodology, theory and epistemology, Language Faculty: Modularity, architecture and optimality of design imperfections and their possible explanations, Universal Grammar: Constraints on possible grammars, Cross-linguistic Variation: Principles and parameters approach, morphology as the locus

for language variation, Language Faculty and Interface Systems, Semantics reconsidered, Explaining Language Change, Contextualising Language: Language as a carrier of culture, language and social control, feminist critique of language, Discoursal Meaning.

ENG 425
L-T-P-D-[C]
3-1-0-0-[4]

COMMUNICATION: PERSPECTIVES AND PRACTICE

Introducing the field: A multidisciplinary orientation, Communication resources: Phatic and integrative potential of language underdetermination of meaning, linguistic knowledge and world knowledge, manipulative potential of language; Non-verbal codes, cognitive and social basis of non-verbal codes, Rhetorics: Aristotelian rhetorics; Stages in rhetorical composition, argumentation, syllogistic and rhetorical reasoning; types of rhetorical argument; the new rhetorics, Meaning theories: Epistemological basis of meaning theories, Traditional Indian Theories of Meaning, Semiotics: Signs and modality, syntagmatic and paradigmatic analysis Denotation, connotation and myth; Metaphor, metonymy and related modes of figurative discourse, Pragmatics: Speech acts; Maxims and implicatures; Communicative intent; Miscommunication, Contemporary discourse analytic approaches; Social construction of meaning; Knowledge and consensus; Ideologic approaches to meaning; Knowledge, power and ideology,

ENG 431
L-T-P-D-[C]
3-1-0-0-[4]

THE INDO-ANGLIAN NOVEL

Background, The Beginnings, From Independence through the 1970s, The Post-Rushdie Indo-Anglian Novel, Strategies for Reading Indo-Anglian Novels.

ENG 432
L-T-P-D-[C]
3-1-0-0-[4]

LITERATURE AND IDEOLOGY

Introduction to "Ideology:" Definitions, sub-categories, etc. The Relationship between Ideology and Literary Creativity; Literary engagement as elaboration: Manifesto Literature; Literary engagement as reaction: critique, refutations, etc. Ideology-based Schools of Criticism, Multiple Ideological Readings of Literary Texts; Literary Criticism: Aesthetics vs. Ideology.

ENG 433
L-T-P-D-[C]
3-1-0-0-[4]

MODERN DRAMA

Introduction to Drama, An Overview of the Theatre, European Drama & European Society, Ibsen's *The Wild Duck*, Strindberg's *The Father*, Russian Society in the 19th Century, Chekhov's *The Cherry Orchard*, Pirandello's *Six Characters*, Absurd Drama: An Overview, Ionesco's *The Bald Soprano*, Beckett's *Waiting for Godot*, An Overview of American Drama, Millier's *Death of a Salesman*, Williams' *A Streetcar Named Desire*.

- ENG 434** **MODERN BRITISH AND AMERICAN NOVEL**
L-T-P-D-[C]
3-1-0-0-[4]
- Introduction to the Novel, Novel in the Anglo-American Literary tradition, Major concerns in 19th & 20th century British, American Novel, Romance & the Novel in America, Hawthorne's *The Scarlet Letter*, Modernism & the English Novel, Art & the Artist in Modernist Novel, Joyce's *A Portrait of the Artist*, Feminism and Woolf, Woolf's *To the Lighthouse*, Forster's *A Passage to India*, American Modernism, Fitzgerald's *Tender is the Night*, Hemingway's *A Farewell to Arms*, Summing Up.
- ENG 435** **TOPICS IN LITERARY MOVEMENTS**
L-T-P-D-[C]
3-1-0-0-[4]
- Romanticism, Realism, Naturalism, Existentialism, Literature of Psychoanalysis, Literature of Ideas, Literature of Protest and Rebellion, Magical Realism.
- ENG 436** **WRITER'S VISION OF THE FUTURE**
L-T-P-D-[C]
3-1-0-0-[4]
- Definition and Origins of Visionary Writing, The Utopian Tradition and the Renaissance, Relationship between Visionary and Fantastic Literature, Futuristic Writing and Science Fiction, Visionary Writing and Social Change.
- ENG 437** **INDIAN LITERATURE**
L-T-P-D-[C]
3-1-0-0-[4]
- Issues in Indian Literature, Indian Aesthetic Theory and Critical Practice, Influence of Western Thought, Impact of freedom movement on Indian Literature, Dalit literature, Exemplification through selected texts.
- ENG 438** **POSTCOLONIAL LITERATURE**
L-T-P-D-[C]
3-1-0-0-[4]
- This course will outline the broad parameters of "postcolonialism" as a mode of literary criticism and debate its role in English literary studies through a study of British, African, Caribbean, and Indian literatures in English. In the process, questions such as the term's validity as an historical marker, its vexed relationship with neo-colonial global politics as well as the theoretical formulations of post-structuralism, and its privileged metropolitan academic location will be discussed in detail.
- ENG 439** **LITERATURE AND CENSORSHIP**
L-T-P-D-[C]
3-1-0-0-[4]
- The course proposes to explore the issue of censorship in literature, and how it affects creativity. The term 'censorship' implies external restrictions imposed on literary works by the government or other sources of power like organised religion. It can also encompass self-censorship imposed by the writer in response

to extraneous factors. The attempt will be to understand why literature often comes under attack and also to analyse the impact of such restrictive practices on the writer as well as the reader.

ENG 440

L-T-P-D-[C]

3-1-0-0-[4]

TOPICS IN LITERARY GENRES

This course will explore the concept of literary genre and its implications for both the production and reception of literary works. Delving beyond the broad divisions of poetry, prose, and drama, this course will investigate the form and content of specific genres such as the pastoral, the epic, the dramatic monologue, the one-act play, detective fiction, gothic fiction, fantasy, etc. It will also situate these genres within a historical context and explore their regional variations by studying Western texts alongside non-Western ones from the same genre. In the process, the course will examine the ways in which various social categories overdetermine the contours of various literary genres and the extent to which genres are contained within cultural-temporal boundaries.

ENG 441

L-T-P-D-[C]

3-1-0-0-[4]

INTERNATIONAL BUSINESS ENGLISH

Introduction, The social use of English, Case One, On the Phone, Case Two, Letter Writing, Memos, Telexes & Faxes, Meetings and Discussions, Writing Minutes, Case Three, Case Four, Employment Communications (Includes job ads, self-inventories; resumes, letter of application, interviews), *Bid for Power* (Video Serial for practice in the skills). Students are also required to do a project which entails preparation of a business case.

ENG 442

L-T-P-D-[C]

3-1-0-0-[4]

PROFESSIONAL COMMUNICATION

Importance of good communication skills, social, ethical and legal Implications of technical communication, Specific skills needed, Complexity of technical and professional communication, Strategies: Identifying audiences and purposes, Selecting visual elements, Resumes and job letters, Business letters, Report writing (including memos), Feasibility reports, Proposals, Quotations and tenders Instruction manuals, notices, agendas and minutes, Meetings and negotiations, Seminars and group discussions, Informal conversations, Public speaking, Interviews, Readability: General principles, Common usage problems

ENG 443

L-T-P-D-[C]

3-1-0-0-[4]

NATURAL LANGUAGE SEMANTICS

Familiarisation with issues in semantic knowledge representation from the point of view of human and machine processing of natural language.

Semantics and Semantic modelling: Philosophical and Linguistic Approaches to emantics, Semantic Structure and its Computational Modelling, Semantics

Pragmatics Distinction; Syntax-Semantics Interface: Syntactic and Semantic Parsing, HPSG, FrameNet Semantics, Universal Networking Language; Lexical Semantics; Lexical Underdetermination, Interlexical Relations, Ontological Semantics, Argument, Event and qualia Structure, WordNet and Generative Lexicons; Logical form for Natural Language: Quantification; Anaphoric Dependencies; Pragmatic Structure: Implicature and Non-literalness, Modelling Pragmatic Knowledge, Discourse Representation Theory, Situation Semantics.

ENG 444

L-T-P-D-[C]

3-0-1-0-[4]

ANCIENT INDIAN AND MODERN GENERATIVE LINGUISTICS

An Overview of Linguistics in Ancient India and in modern times from a Comparative Perspective, Paninian Grammar as a Generative Grammar, Some Fundamental Ideas in Paninian Linguistics, Modern Generative Grammar (First Phase), An Overview of Generative Grammatical Models in Ancient India and in modern times from a Comparative point of view, Outlines of the Principles and Parameters Grammar.

ENG 445

L-T-P-D-[C]

3-1-0-0-[4]

LITERATURE AND THE INDIVIDUAL

The precarious role of an individual in a dynamic society- totalitarian, democratic, technological, globalized, etc-has been and intense and perennial subject of concern in literature. Many literary works deal with such problems of humanity as the constraints of individual freedom, loss of identity search for self, struggle for individual survival, pangs of isolation and alienation, and attempts for salvaging sanity from a maddeningly disordered world. These works, through fables, fantasies, as well as futuristic representations, interrogate, probe into the prevalent values, and affect changes in the lives of individuals, and by extension, their societies. Apart from a utopian prophecy of deferred but ultimate triumph of humanity, these literary works for study in the course include the classics of world literature from George Orwell, Ernest Hemingway, Herman Hesse, R. K. Narayan, Saul Bellow, Somerset Maugham and Upamanyu Chatterjee to semi- philosophical and popular texts of Ayn Rand, Khalil Gibran, Paulo Coelho, Richard Bach and Robert Pirsig.

ENG 446

L-T-P-D-[C]

3-1-0-0-[4]

LITERATURE AND ADAPTATION

This course will examine the processes and politics of adaptation as texts travel across genres, media, and cultures. Focusing primarily on literary texts, graphic narratives and films, it will investigate the different vocabularies of each media and see how meaning is transformed as it travels across different languages. In the process, it will delve into topics such as the semiotics of translation, the 'fidelity' debate, the relationship between adaptation and appropriation, ideology and intention in the creation of adaptations etc.

ENG 451
L-T-P-D-[C]
3-0-1-0-[4]

GLOBAL COMMUNICATION

Prerequisite : Any course in English is desirable

In a global context, communication skills of the present times demand expertise in both hard skills as listening, spoken, reading and writing abilities as well as soft skills as body language and etiquettes enhanced with keen awareness of the local/ global, cultural and linguistic variations. The course aims at imparting students with professional skills of communication that are needed in regional, national and international situations. The methodology of the course is to use audio/ video gadgets in the language laboratory and provide appropriate training sessions. The focus of the course is on the use of English language in national/ multinational corporations and communication mediated through mobile, telephone, e-mail, internet and other advanced technologies. Significant topics for discussion include : 1. Communication, Culture, Power 2. Current World Trends in Media Communication 3. Ethnographic Perceptions 4. Global Imbalances in Informational and Cultural Exchange 5. Benefits of Intercultural Communication 6. Intercultural Competence 7. Interpersonal Communication 8. Environments and Information Load 9. Cross- Cultural Communication Styles 10. Etiquettes for the Net 11. Qualities of Effective Report Writing 12. Writing Effective E- mails 13. Communication Information Through Visuals 14. Channels of Nonverbal Communication 15. Competence in Interviewing Contexts 16. Confidence in Use of Body Language.

PHI 442
L-T-P-D-[C]
3-1-0-0-[4]

MARXISM, GANDHI AND EXISTENTIALISM

This course deals with the philosophical ideas of Karl Marx, Gandhi and some of the important existentialist thinkers, especially Jean-Paul Sartre and Martin Heidegger. Major emphasis is laid on the moral issues raised by these thinkers.

PHI 444
L-T-P-D-[C]
3-1-0-0-[4]

ISSUES IN THE PHILOSOPHY OF MIND

Philosophy and Psychology of Mind; Philosophical Taxonomy of Mental Phenomena: Sensations and Propositional Attitudes; Philosophical Theories of Mind: Cartesian Dualism, Behaviourism, Materialism, Functionalism; Personal Identity & the Self..

PHI 446
L-T-P-D-[C]
3-1-0-0-[4]

PHILOSOPHY OF SCIENCE

On what Philosophy of Science is; Logic and Empiricism; Theory and Observation; Evidence, Confirmation and Falsificationism; Induction and Probability; Scientific Revolution versus Normal Science; Scientific Explanation I : Theoretical Entities; Scientific Explanation II : Naturalism, Realism and Anti-realism; Bayesian and Modern theories of Evidence; Science and Value.

- PHI 447** **ETHICS AND SOCIETY**
L-T-P-D-[C]
3-1-0-0-[4] Individual and Social Morality; The Classical Indian Perspective: Purusharthas, Varnashrama Dharma, Theory of Karma and the Idea of Nishkama Karma; The Greek Perspective: - Constitution of Human Soul & Society (Plato); Ethics and the Health of the soul (Aristotle); Moral Virtues; Immanuel Kant: The ethics of Duty; Respect for Persons(For and Against); J.S. Mill: Utilitarianism (For and Against); Annette Baier: The Feminist Ethic; Applied Ethics: Sexual Morality: The Libertarian View (For and Against); Abortion: (for and Against); Euthanasia: (For and Against); Capital Punishment: (For and Against); Social Justice: (For and Against); Job Discrimination (For and Against); Animal Rights: (For and Against); Environmental Ethics (For and Against).
- PHI 448** **INDIVIDUAL VS. AUTHORITY**
L-T-P-D-[C]
3-1-0-0-[4] The distinction between Authority, Power and Sovereignty; Political forms of Authority; The individual's Rights and his Legitimate Autonomy; Encroachment on the Individual's Legitimate Sphere: its Sources and their Disguised Forms; Misuse of Power and Safeguards against it.
- PHI 449** **PHILOSOPHICAL PROBLEMS**
L-T-P-D-[C]
3-1-0-0-[4] Major issues in Metaphysics, Epistemology and Ethics; Self and the world; Free Will; Mind-Body Problem; Theories of knowledge: Internalism & Externalism; The Meaning of Life.
- PHI 450** **PHILOSOPHICAL AESTHETICS**
L-T-P-D-[C]
3-1-0-0-[4] The Aesthetic attitude; Aesthetic Experience; Art and Aesthetic; Defining Art and its Problems; Art and Emotion; Literary Aesthetics; Art, Society and Morality; Philosophy of Literature.
- PHI 451** **TOPICS IN INDIAN PHILOSOPHY**
L-T-P-D-[C]
3-1-0-0-[4] The subject considers topics in Indian philosophy from Ethics, Metaphysics and Epistemology and contrasts the Hindu and the Heterodox Buddhist and Carvaka approaches to these topics. In Ethics, the focus is on the Theory of Karma and its Relationship with Doctrines of Rebirth, Transmigration, Reincarnation and Moksa. In Metaphysics, we pay special attention on different theories regarding the Nature of the Self. In Epistemology the focus is on the search for a Definition of Knowledge.

- PHI 452** **PHILOSOPHY OF COGNITIVE SCIENCE**
L-T-P-D-[C]
3-1-0-0-[4] Functionalist Theories of the Mind; The Representational Theory of the Mind; Semantics of Mental Representations; Structure and Organization of Mind; Connectionism; The Problem of Intelligence.
- PSY 451** **PSYCHOLOGY OF ADJUSTMENT**
L-T-P-D-[C]
3-1-0-0-[4] Psychological adjustment in the mental health perspective, Dimensions of subjective adjustment. Methods of assessment, Conflict - the major views. Interpersonal maladjustment. Defence mechanisms in intra-personal conflict resolution, Psychological disorders, Anxiety, stress and burn-out, Emotions and adjustment, The self. The neo-Freudian and humanistic views of adjustment, Coping style, the sense of control, and learned helplessness. Depression and suicide, Psychotherapies.
- PSY 452** **DEVELOPMENT OF PERSONALITY**
L-T-P-D-[C]
3-1-0-0-[4] This course presents a psychological perspective on human development which spans the entire life cycle of the individual. The development of each stage is taken up for its characteristics and potential.
- PSY 453** **MANAGEMENT DEVELOPMENT THROUGH ATTITUDE CHANGE**
L-T-P-D-[C]
3-1-0-0-[4] Theoretical and methodological foundations, The concept of development at individual, group, and systems levels. The role of affective processes, in relation to cognitive and conative processes, for individual and systems development. Perception and individual decision-making, Values and attitudes, Skills of active listening, role taking, communicating, conflict handling, bargaining and negotiations, and effective behavior in group settings, Towards working in teams: Problem-solving teams, self-managed work teams, cross-functional teams, virtual teams. Teams and work-force diversity, reinvigorating mature teams, Creating a culture of learning and managing planned change.
- PSY 454** **SOCIAL PSYCHOLOGY**
L-T-P-D-[C]
3-1-0-0-[4] Social psychology as a branch of psychology - its historical background, Major features of contemporary social psychology. Methods adopted in social psychology. Aggression and violence. Attitudes. Social influence - Social facilitation. Social loafing, Social power, Conformity and Compliance, Obedience to authority. Distributive and procedural justice. Cooperation and competition in game-like settings, Coalition formation. Group dynamics. Specific issues in person perception. Social motivation.

- PSY 455 ENVIRONMENTAL AND ECOLOGICAL PSYCHOLOGY**
L-T-P-D-[C]
3-1-0-0-[4] A framework for analysis, Person-Environment Relationship, Natural and man-made disasters. Reactions to environmental changes, Environmental perception and cognition, Environmental appraisal and aesthetics, Place attachment and rootedness : psychological consequences of displacement. Proxemics and personal space. Ecological concerns, Environmental design - vastu-shastra, architectural factors, and psychological reactions. Designing of specific places, Personality and the environment, Cultural factors in environmental and ecological psychology.
- PSY 456 INDUSTRIAL PSYCHOLOGY**
L-T-P-D-[C]
3-1-0-0-[4] Taylorism and scientific management; employment psychology and training; test of special abilities and personality assessment, attitudes, morale and adjustment; principles of psycho-technology and consumer psychology; communication and leadership in organisation.
- PSY 457 INTERPERSONAL DYNAMICS**
L-T-P-D-[C]
3-1-0-0-[4] The general scope of interpersonal dynamics. Methods used in the study of interpersonal dynamics. Major theoretical approaches to Interpersonal Dynamics. Communication and Miscommunication in interaction - verbal and non-verbal aspects. Communicator style. Interpersonal attraction - The major models / theories, Interpersonal judgment. Self-monitoring and impression management. Transactional analysis. Power and dependence in dyadic exchange. Shyness and loneliness. Interpersonal conflicts and their management. The social self. Cultural factors in interpersonal relationships. Promoting positive interpersonal relationships- the role of empathy as a personality component.
- PSY 458 ORGANIZATIONAL AND ADMINISTRATIVE PSYCHOLOGY**
L-T-P-D-[C]
3-1-0-0-[4] Organizations and the systems concept, The chronological sequence of development of thought in Organizational Behavior area, A road map for understanding organizational behavior: The elementary aspects of function and structure, their contributions to organizational existence, Organizational models, Motivation and performance, Leadership, Power, Control, Organizational Citizenship, and Anti-organization behaviors, Organizational Change and Organizational Development: Individual and group approaches and Significance of individual and group effectiveness through awareness of self and others. This last portion requires experiential learning sessions and basic human process related laboratory work.
- PSY 459 SOCIAL PSYCHOLOGY OF INDUSTRIAL ORGANIZATIONS**
L-T-P-D-[C]
3-1-0-0-[4] History, scope, and methodological foundations. Needs, values, attitudes, job-

satisfaction, Basic motivation concepts and their applications, Understanding work teams, communication, conflict management and negotiations, Foundations of organizational structure, Work design and technology, Organizational culture, Organizational change, and factors contributing to the development, Case studies and problem solving sessions.

PSY 460

L-T-P-D-[C]

3-1-0-0-[4]

INDIVIDUAL AND INDUSTRIAL ORGANIZATIONS

Prereq. #

Theoretical and methodological foundations. Motivation theory. Human learning, Problems and new directions for Industrial psychology, Methods of research and analysis especially relevant to Industrial psychology, Assessment of individual differences: Intelligence, creativity, personality, attitudes, abilities, skills, vocational preferences. Man-machine systems, job and task analysis, recruitment, selection, training, and placement, The social environment of industry: consumer behavior. Management of ineffective performance.

PSY 461

L-T-P-D-[C]

3-1-0-0-[4]

MANAGERIAL PSYCHOLOGY

Psychology in management: Different roles of a manager in the organization. A historical account of management philosophy. The functions performed by effective managers, The manager as a decision-maker: Psychological models of managerial decision-making, The manager as a motivator: major models of work motivation. Managerial motivation. Goal-setting, intrinsic motivation, and self-efficacy in work settings. The manager as a communication link : superior-subordinate communication. Determinants of and barriers to effective communication at the managerial level, The manager as a conflict-resolver: major psychological approaches to conflict management, resolution and handling, The manager as a reward allocator . Basic principles of distributive and procedural fairness from a managerial perspective. Organizational justice theories: perceived fairness of wage structure. Reactions to perceived organizational injustice. The competent manager: Boyatzis' model. Thinking styles in strategic management. Cross-cultural perspectives in managerial behaviour, Case discussion on topics.

PSY 462

L-T-P-D-[C]

3-1-0-0-[4]

ENGINEERING PSYCHOLOGY

Engineering psychology and related areas: Professional and scientific aspects of engineering psychology; research tools and methods of engineering psychology, Human-machine systems: Concept and applications; analysis, design and evaluation of human machine systems, Human information input and processing: Sensory modalities; display of static and dynamic information; speech communications, Human activities: Energy expenditure, speed and accuracy of movement, Human control of systems: Anthropometric and biomechanical considerations; Design of controls, tools, equipment and related devices; design and arrangement of

work place, physical space and environments, Cognitive ergonomics: Cognitive control of systems - task optimisation; human operator as a decision maker, improving human decision making and problem solving, Human-computer interaction: User interface and workstations; social computing; human factors in information access of distributed systems, Applications: Human factors in manufacturing, process control and transportation.

PSY 463

L-T-P-D-[C]

3-1-0-0-[4]

DEVELOPMENT THROUGH ATTITUDE CHANGE

The objectives of the course is to help the student to know the psychological variables related to the development, change and resistance to new knowledge and practice. It will cover some theoretical and empirical issues.

PSY 464

L-T-P-D-[C]

3-1-0-0-[4]

HUMAN PERFORMANCE

Concepts and approaches: Human performance and human competence; conceptual models of human in working environment; criteria and approaches to assessment of human performance, Human skills: Features and categories of skills; phases of skill acquisition and role of feedback, Quantification of human performance: Human capabilities; information theoretic measures for discrete and continuous signals; catastrophe theory and its application to human performance, Sensory processes: Detection, discrimination and absolute judgement; theory of signal detectability and performance in vigilance tasks, Perceptual processes, memory and attention: Verbal and nonverbal perception; pattern recognition; selective attention; search rate; navigational processes; memory processes and their application; time sharing and mental workload, Response processes: Measures - chronometric, psychophysical and physiological; selection of action; serial reaction times, transcriptions and error, Decision processes: Human limits; values and costs; decision making aids; optimality, Performance under degraded conditions: Uncertainty; degraded environmental conditions; hostile environments.

PSY 465

L-T-P-D-[C]

3-1-0-0-[4]

COMMUNITY PSYCHOLOGY AND SOCIAL CHANGE

The concept of a community - the need for community psychology. The interdisciplinary nature of community psychology, Major principles from other disciplines, and other areas of psychology that are relevant to community psychology : social learning theory, neo-Freudian theories of personality (Horney, Adler, Fromm), and role theory, Community -based issues - social change and community development, literacy, poverty, mental health, and social justice, Social change in the context of globalization: the need for 'globalization' and how it can be brought about, Literacy as a community problem, The psychology of poverty, Mental health issues, The socially disadvantaged, Family violence: its causes, Social intervention.

PSY 466

L-T-P-D-[C]

3-1-0-0-[4]

CONSUMER PSYCHOLOGY

Consumer behaviour: Concepts and approaches; the consumer research process; market segmentation and segmentation strategies; consumer behaviour models, The consumer as an individual - I: Consumer needs and motivation; Motivational research; Personality and consumer diversity; consumer self-image; consumer characteristics and life-styles, The consumer as an individual - II: Consumer information processing; perception, imagery and perceived risk; learning and brand loyalty; consumer attitudes; attitude formation and change; marketing communications and persuasion, External influences on consumer behaviour: Group dynamics and consumer reference groups; cultural, social and situational influences; household influences; influence of marketer generated stimuli and information, Consumer decision making processes: Decision heuristics and principles; prepurchase, purchase and post purchase processes; personal influence and the opinion leadership process; diffusion of innovation, Consumer behaviour and society: Consumer behaviour application to profit and not-for-profit marketing; public policy and consumer protection.

PSY 468

L-T-P-D-[C]

3-1-0-0-[4]

SOCIAL COGNITION**Prereq. #**

Social nature of cognition : Historical perspective; approaches to studying social cognition. Principles of social cognition: Organization, explanation, knowledge activation, shared reality, role enactment, social positions and internal audiences. Attribution: Major theories; biases in attribution; applications of attribution theory. Social schemas: Nature and types of social schemas; active construction of reality; schema development, activation and change. Social representations: Theory and issues; relationship between social representations and social schemas, Social inference: Inferential strategies and errors. Person memory: Organization of social information in memory; expectancies and memory processes; contents and contexts of person memory. Affect and Social Cognition: Social cognitive foundations of affect; reciprocity of affect and cognition; mood and stereotyping. Everyday understanding and social cognition. Post-modernism and social cognition.

PSY 469

L-T-P-D-[C]

3-1-0-0-[4]

UNDERSTANDING PERSONALITY

Approaches to the study of personality : an introduction. Major techniques of personality assessment: inventories, the interview, projective techniques, the script, observational and behavioural assessment, and the case study. Personality theories : trait, type, psychoanalytic, humanistic, self, social learning, and cognitive theories. Emphasis on assessment methods in these theories, Writing a test report, Administration of major personality tests ; Cattell 16 PF ; the MBTI ; the TAT ; Holtzman's Ink Blot test ; Rotter's Incomplete Sentence Blank. Interpretation of test responses (with discussion). Psychometric properties of

tests; response sets. The Rorschach Ink-blot test : theory and interpretation. The REP Test and other tests of cognitive complexity : theory and interpretation. Determinants of personality : biological factors and socialization (child rearing antecedents and sociocultural influences).

SOC 470

SOCIOLOGY OF DEVELOPMENT

L-T-P-D-[C]

3-1-0-0-[4]

Defining the concept of Development: Socio-cultural factors, the modernization perspective of development (the Functionalist view): The theory of Modernization, its assumptions, its methodology and its limitations, the Dependency perspective of development (the Neo-Marxist view):The theory of Dependency/ underdevelopment, its assumptions, its methodology and its limitations. The causes of underdevelopment and the social structure in the underdeveloped world, their impact on North South Relations, the World System Perspective: (Contributions of Immanuel Wallerstein), the theory, its assumptions, its methodology and its limitations. Global System Interdependence, New Structural analysis, agent centered analyses, a new-substantive focus-Dynamics of complex change. Development reconsidered-voices of Dissent, Defining the notion of quality of life, and search for alternatives.

SOC 473

INDIAN SOCIETY AND CULTURE

L-T-P-D-[C]

3-1-0-0-[4]

Approaches to study Indian Society, Features of Indian Society - Marriage and family among Hindus and Muglines, polyandry and polygyny, Regulations of marriage & seperation/divorce Social stratification : caste / jati and Varna, Jajmani system, caste system among non-hindus (and outside India), Kinship organization in India, Concepts and Approaches to Social change in India : Sanskritization and westerization parochialization and universatization, steyructural, Dialeefical and cagnitive historical / Indological approaches, TOward an integrated approach (Y. Singh), orthagenetic changes in the cultural traditions and Modernization. More recent processes of change through social movements : Peasant movements, Relegions and seefarian movement, Dalit/Backward caste movements, Tribal movements, labour movements and Ecological movements in India.

SOC 474

INDUSTRIAL SOCIOLOGY

L-T-P-D-[C]

3-1-0-0-[4]

Industrial Sociology, History of Industry, Industrial-Systems, Formal organization, Informal Organisations, and Group dynamics. Communication in management, Industrial Relations: Structure of labourorganizations, Trade Unionism in India, Collective Bargaining, Grievance Procedures, Participatory Management & Contemporary Management Issues.

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| SOC 477 L-T-P-D-[C] 3-1-0-0-[4] | SOCIOLOGY OF URBAN LIFE The city: Origin, Concept, pre-industrial & industrial cities, The Economic institutions of City life-market, economy, machine production, migration, poverty, technological advancements, The political Institutions: Self-Governance, Special Interest Groupism, Urban Social and Cultural Systems-family, religion, education, Art, and Leisure, The rural-urban Dichotomy-Rurbanism, slums, over-urbanization, Urban Ecology and its renewal -Spatial Theories, Ecological Processes Urban renewal, Ecological impairment, Urban Design and Planning: urban Land-use, Indian cities and their land-use patterns, Urban Crimes, Unrest and Social Control, Urban Policy and Urban problems: Water, power, housing, road, etc. (with special reference to India), Future urban life. |
| SOC 478 L-T-P-D-[C] 3-1-0-0-[4] | SOCIOLOGY OF SCIENCE Prereq. # Socio-Economic Bases of Science: Puritanism, pietism and Science, Science and economy of 17 th century England, Nature and Types of Scientific discoveries: Multiples and singletons, priority disputes in Science and Sociological Ambivalence of scientists, Theories of Scientific creativity (Discovery): Psychological Theories: by A Koestler, Albert Rothenberg, Howard Gruber, and the Mentalistic model, Philosophical Theories: by T.S. Kuhn, Imre Lakatos, Larry, Lauden, Paul Feyerabend, Gerald Holton, etc, Sociological Theories: by R.K. Merton, Michael Mulkay, Bruno Latour, etc, Social basis of Discoveries, Folk reasoning in theories about scientific discovery Scientific productivity and its patterns:- Institutional approach: Organizational Factors like Resources, Group climate, Leadership, etc, Individualistic approach : Personality Dispositions and person centered Variables in scientific productivity. |
| SOC 479 L-T-P-D-[C] 3-1-0-0-[4] | POPULATION, ECONOMY AND SOCIETY Growth of world population: world population by regions, trends in birth and death rates in the developed and the developing countries, causes of change, gross domestic product and population growth, some recent population projections, Population of India: latest available estimates, demographic transition in India, regional variations in fertility, mortality and migration. Population theories: Malthusian and Marxian population theories, theory of optimum population, Gandhian theory, demographic transition theory, critique of demographic transition theory, threshold hypothesis, social justice and demographic change, contributions of Indian sociologists and economists to population theory. Sources of data: census, civil registration system, administrative records, sample registration scheme and surveys. Methodology for population studies: measures of fertility, mortality, migration and urbanization; life table analysis. Population and economic development: conceptual issues involved in defining development and linking population growth to socio-economic variables, Models in population studies: |

some examples of deterministic and stochastic models in population studies, especially with respect to macro level linkages, Socio-cultural aspects of population growth in India, Population policy: population policy in the developed and the developing countries, with emphasis on population policy in India, Emerging issues in sociological studies of reproductive health, sexuality and AIDS.

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| <p>SOC 481 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>SOCIETY AND SOCIAL PROBLEMS OF INDIA</p> <p>Interaction between structural and cultural components in the process of Social Change : Identification of problematic issues linked with social change. Elements of institutional and structural change in India. Sociological dimensions of problems of Indian society in reference frame of social change. Problems of poverty, crimes, terrorism, justice, deviance, etc.</p> | |
| <p>SOC 484 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>CULTURE OF PRODUCTIVITY</p> <p>Socio-cultural sources of productivity in nations. Entrepreneurship and Risk taking, Role of social Institutions and values, Productivity, innovation, & management styles in Japan, USA & India. Requirements for a strong productivity culture in India; Organizing for productivity & technovation.</p> | |
| <p>SOC 486 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>HUMAN RIGHTS - THEORY AND PRACTICE</p> <p>To understand the significance and limitation of the idea of human rights, particularly in the context of Indian society and policy; to understand the nature and causes of different forms of rights abuse in the country; to understand the role of various agencies and actors engaged in the promotion and protection of rights.</p> | |
| <p>ECO 514 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>INPUT-OUTPUT TECHNIQUES</p> <p>Basic input-output system; Projection of input-output coefficients; Non survey and partial survey methods; Input demand functions; Capital coefficients and dynamic considerations in input-output analysis; Application of input-output techniques in the economic planning; Input-output tables for the Indian economy; Application of I-O models in the field of energy and environment</p> | <p>Prereq. #</p> |
| <p>ECO 526 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>ECONOMICS OF BIOTECHNOLOGY, (3-1-0-4)</p> <p>Scope of biotechnology; Recombinant DNA, Bioprocessing of agro products (plant breeding); R&D investment in biotechnology; Patents and regulation; Financing of biotechnology; private vs. public; Pricing policies; Trade in goods vs. technology transfer; Applications to agriculture; Applications to pharmaceutical products; Ethical and environmental issues involved in promotion of biotechnology</p> | <p>Prereq. #</p> |

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| ECO 527 L-T-P-D-[C] 3-1-0-0-[4] | MULTINATIONAL ENTERPRISES, (3-1-0-4) | Prereq. # |
| | Introduction; Foreign direct versus portfolio investment; Global and regional trends in direct investment; Horizontal and vertical integration; Ownership-location-internalization framework; Endogenous market structures in international trade; General equilibrium approaches to the multinational firm; Determinants of FDI; Overseas investment and firm exports; Vertical multinationals, fragmentation and outsourcing; Licensing versus direct investment: models of internalization of the multinational enterprise; Contracts, intellectual property rights, and multinational investment in developing countries; Multinational firms, technology diffusion and trade; International taxation and transfer prices; Do domestic firms benefit from direct foreign investment?; MNEs and host country relations | |
| ECO 528 L-T-P-D-[C] 3-1-0-0-[4] | COMPUTATIONAL FINANCE | Prereq. # |
| | Basic numerical methods, including linear and nonlinear equation methods; Complementarity methods; Finite-dimensional optimization; Numerical integration and differentiation, and function approximation; Methods for solving dynamic stochastic models in economics and finance; Dynamic programming; Arbitrage pricing models in discrete and continuous time; Econometric Software for Computational Finance | |
| ECO 535 L-T-P-D-[C] 3-1-0-0-[4] | PUBLIC ECONOMICS | Prereq. # |
| | Scope of public economics; Equity, social welfare and taxation; Taxation, income support and social insurance; Taxation and individuals; Market failure and government intervention; Optimal provision of public goods; Public expenditure and public debt; Modeling government behavior; Organization of public sector | |
| ECO 536 L-T-P-D-[C] 3-1-0-0-[4] | REGIONAL ECONOMICS | Prereq. # |
| | Concepts - what is region ? Types of region; Regional growth; Techniques of regional analysis; Industrial location theory; Regional input-output economics; Identification of key sectors; Multi-stage planning | |
| ECO 537 L-T-P-D-[C] 3-1-0-0-[4] | LAW, TECHNOLOGY AND PUBLIC POLICY | Prereq. # |
| | Economics, law and science: a necessary confrontation; Law and economics as competing paradigms for shaping public policy; Overview of legal system: a "science court"; Tort law and product liability; Environmental and health regulation; Regulation of genetic engineering; Public policies for fostering innovation and economic growth; Cyberspace: freedom of speech and privacy; International law: regimes to promote sustainable development | |

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| <p>ECO 543 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>ENVIRONMENTAL IMPACT ASSESSMENT</p> <p>Why environmental impact assessment (EIA)?; Historical development of EIA; Organization of EIA; Methodologies adopted, framework and guidelines in EIA studies; Socio-economic aspects of EIA- the approaches of engineers, economist and social scientists; EIA of sectoral development projects; Environmental policies and status of EIA in India; Case studies on EIA; Project assignment</p> | <p>Prereq. #</p> |
| <p>ECO 544 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>HUMAN DEVELOPMENT</p> <p>Development paradigm & introduction to human development; Understanding social realities in human development perspective; Human development & social inequality; Measurement of human development; Human development and freedom; Human rights and human development; Response to human development approach; Overview of human development approach; Education and human development; Health and human development; Human development and environment; Human development and gender; Human development in multi cultural societies; Human development and government; Financing of human development; International institution promoting human development; Economic reforms, rights and justice, and political decentralization; Human development in Indian states</p> | <p>Prereq. #</p> |
| <p>ECO 545 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>HEALTH ECONOMICS AND HEALTH CARE POLICY</p> <p>Health care as an economic commodity; Determinants of health; Efficiency and equity in health care; Demand and supply of health care; Optimal payments for health services; Health care and financing and insurance; Health policy (national and international); Liability and regulation</p> | <p>Prereq. #</p> |
| <p>ECO 546 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>TRANSPORT ECONOMICS</p> <p>Transport and Economics; Transport and Development; Movement, Transport and Location; The Demand for Transport; Firm production and Cost in Transportation; The External Costs of Transport; Pricing of Transport Services; Welfare effect of Public Sector Pricing and Investment; Congestion Pricing; Competition, Concentration and Market Power in Transportation; Transportation Investment; Transportation and Land Use in Urban Areas; Transport Planning and Forecasting; Public Health effect of Transportation; The Regulation of Transport</p> | <p>Prereq. #</p> |
| <p>ECO 547 L-T-P-D-[C] 3-1-0-0-[4]</p> | <p>WATER RESOURCE ECONOMICS</p> <p>Why plan for water resource in India?; Development of irrigation projects in India; Approaches and priorities in planning of irrigation of irrigation projects;</p> | <p>Prereq. #</p> |

An approach towards evaluation/appraisal of multi-purpose river valley projects; Economic analysis of methods of cost allocation in planning of multi-purpose river valley projects; Priorities of irrigation under the special programmes of government of India; Role of World Bank and other international agencies; Environmental impact assessment of major irrigation projects in India; Irrigation development: a blessing or bane?; Linking of Indian rivers; Contamination of water bodies and its impact on economic development; Global efforts in water resource management: IWRM; Case studies

HSS 403

L-T-P-D-[C]
3-1-0-0-[4]

Meaning of health and illness behaviour ; social cognition models of health behaviour and illness cognition ; personality and health behaviour ; processes and outcomes in illness ; stress, coping, social support, pain and quality of life ; health care context; the healing process, hospitalization and health promotion ; sources of data on health ; relationship between culture and health ; basic analytical concepts in the study of social aspects of health such as life expectancy, infant mortality rate, maternal mortality rate, prevalence and incidence rates of diseases ; methodological issues in studying social aspects of health ; epidemiological and statistical models ; social science in medicine and social science of medicine ; hospital as a social system ; social science knowledge for health planners and professionals ; counseling ; preventive and social medicine ; effect of psychological and sociological factors on access to and utilization of health facilities ; public health in India ; institutional support; role of state and NGOs.

ART 701

L-T-P-D-[C]
3-1-0-0-[4]

METHODOLOGY : ART CRITICISM & APPRECIATION Prereq. History of Indian Art & Western Art (ancient and contemporary)

To familiarize students with variety of methodological approach in art criticism and analysis The course proposes to develop visual skills and analytical skills in writing about various forms of art in using concepts and terminology. It also would enable research student to exercise skills in observation of various forms of visual media. The methodology of criticism is base on some of the following authors- John Dewey (Criticism and Perception), Barkan, Fidman's, Jack Hobbs, and Solomn's Phenomenological Model of Criticism, and Ducasse's Language of Feeling. The critical analysis would be based on Art and Perception, Principles of Style, Styles in 2-dimension and 3-dimension visual art.

ART 702

L-T-P-D-[C]
2-0-2-0-[4]

DESIGN THEORY, 2-0-2-4

Theory: The course intends to discuss on the following topics along with related

studio activities- Design Philosophy, History of Design, Art, Design & Society, Form, Space & Texture, 2-D & 3-D Form Analysis in Product Design and its architecture, Theory of Color, Color Aesthetics, Introduction to Computer Art, Human Experience in Design, Indian Tradition & Products, Environmental Design.

Studio: The course intends to build an over all understanding in the following areas Form, Space & Texture, 2-D and 3-D Form Analysis, Color and Texture in 2-D & 3-D surface, Color Aesthetics, Computer and composition, Product Analysis and Ergonomics, Environmental Design Model

ART 703 CREATIVE VISUALIZATION, 2-0-2-4

L-T-P-D-[C]
2-0-2-0-[4]

Theory: Outline History of Art; Design & Performing Art; Art & Perception; Principles of Style; Style in Art; Design & Performing Art; Space in Art; Design & Performing Art, Style in 3-D work, Style in Architecture, Graphic Art; Photography; typography; Methodology of Criticism & Appreciation.

The course intends to build an over all understanding of the above areas with the help of short workshops, training, field trips, and projects on- photography, film making, stage-craft, script writing, editing, typography and visiting relevant sites.

Related Studio Projects

ART 704 ART A MEDIUM OF COMMUNICATION

L-T-P-D-[C]
2-0-2-0-[4]

Prereq. History of Indian Art & Western Art (ancient and contemporary)

Theory: Pre-historic Art; Traditional Art as Medium of Communication- Religious Art, Buddhist Art, Christian Art, and Hindu Art; Critical analysis of the following theories/articles- Plato's 'Art as Imitation'; Aristotle's 'Theory on Art'; Leo Tolstoy's Theory of Art and 'Art as the Communication of Feeling'; David Hume's 'Of the Standard of Taste'; Susanne Langer's 'Art as Symbolic Expression: From Feeling and Form'; Arthur Danto's, 'The Art World'; POP Art and Comic Art; Art as Language of Expression in 2-D and 3-D media.

Studio: Relevant 2-D and 3-D design Projects

ECO 732 ECONOMETRICS

L-T-P-D-[C]
3-0-0-0-[4]

Problems of statistical inference in economics - constraints on the parameter space, random coefficient models, distributed lags, decision models, and systems of equations. New functional forms - kernel estimation, neural networks.

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| ECO 733 | THEORY OF ECONOMIC POLICY | Prereq. # |
| | The objective of the course will be to discuss the structure, design and instruments of macro-economic policies with the help of the various policy models developed in the recent years. It will also include a critical examination of a few selected policy models which are being used in the developed and/or in the underdeveloped countries. | |
| ECO 734 L-T-P-D-[C] 3-0-0-0-[4] | INDUSTRIAL ORGANIZATION AND POLICY | Prereq. # |
| | Scope of Industrial organization; Industrial Efficiency; Basic Framework for the Study of Industrial Organization; Recent Approaches to Industrial Organization; Market Structure and Its Elements; Market Conduct, Internal Structure of the Firm. Critical Appraisal of Industrial Development policies in India; Case Studies from Heavy Industries, Consumer Goods Industries and Public Utilities. | |
| ECO 735 L-T-P-D-[C] 3-0-0-0-[4] | DEVELOPMENT ECONOMICS | Prereq. # |
| | The international trends in economic development, various development theories and operational strategies towards capital formation, international capital flows, foreign trade, agriculture, industry, HRD, technology transfer and environment will constitute the broad contents of this course. Further, focus will be on new economic policies and emerging new international structures. Besides, the students will undertake some empirical project as group assign many. | |
| ECO 736 L-T-P-D-[C] 3-0-0-0-[4] | APPLIED ECONOMETRICS | Prereq. # |
| | This course provides a methodology of empirical research in applying econometric tools for policy oriented research in social sciences. Emphasis will be given to various ways of handling problems faced in doing empirical research in India. | |
| ECO 737 L-T-P-D-[C] 3-0-0-0-[4] | ADVANCES IN MICRO ECONOMIC THEORY | |
| | Developments in monopolistic competition (nonprice decisions in particular), the microeconomic theory of modern organizations (discretionary managerial behaviour, the organizational dimension) as envisaged by Williamson and Coase, and their implications for industrial policy. | |
| ECO 738 L-T-P-D-[C] 3-0-0-0-[4] | INTER - INDUSTRY ECONOMICS | Prereq. # |
| | The course will highlight the basic input-output models and their extensions. Various examples would be drawn from the empirical analysis of the input-output framework in India and abroad. | |

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| ECO 739 L-T-P-D-[C] 3-0-0-0-[4] | PROJECT ECONOMICS | Prereq. # |
| <p>In view of the importance of development projects in the process of planning, this course will investigate the basic foundations of project economics, the rationale and methodologies of project evaluation. More particularly, the focus will be on the OECD and UNIDO Guidelines methods of project appraisal with case study exercises in the form of empirical projects.</p> | | |
| ECO 740 L-T-P-D-[C] 3-0-0-0-[4] | SEMINAR ON SELECTED TOPICS IN ADVANCED ECONOMIC ANALYSIS | Prereq. # |
| <p>The course will cover some frontier topics in advanced economic analysis for a detailed discussion in seminars.</p> | | |
| ECO 744 L-T-P-D-[C] 3-0-0-0-[4] | REGIONAL ECONOMICS | Prereq. # |
| <p>The major objective of the course is to analyse the different method of regional economic analysis. The focus will be on the economic theory of industrial location, the regional input-output economics, regional multipliers and identification of "Key" sectors. It will also include the introductory linear programming models as applied to regional problems and regional economic theory and multistage planning models.</p> | | |
| ECO 745 L-T-P-D-[C] 3-0-0-0-[4] | ADVANCED MONETARY THEORY | Prereq. # |
| <p>The course begins with the role of money in static macroeconomic models, neoclassical growth models and consumption loan models, then focusses upon supply of money and monetary aggregate demand for money, and the role of the central bank.</p> | | |
| ECO 746 L-T-P-D-[C] 3-0-0-0-[4] | INTERNATIONAL ECONOMIC RELATIONS | Prereq. # |
| <p>The course proposes to cover the main issues at the international level in terms of international trade, international monetary systems as well as financial systems and their impact on the international community. The rise and fall of the Brettonwoods system would be discussed from the point of view of development of the Third world countries as well as from the viewpoint of establishing equity and social justice in the world.</p> | | |
| ECO 747 L-T-P-D-[C] 3-0-0-0-[4] | ENVIRONMENTAL ECONOMICS, LEGISLATION & SOCIAL IMPACT | |
| <p>With a view to establish sustainable development and to overcome the dilemma of development, the course proposes to focus on the broad aspects of environmental economics, environmental legislations and the environmental</p> | | |

impact assessment. The consequent changes in the approaches and policies of various Government under the leadership of U.N. and World Bank will be discussed along with a number of case studies. The legal aspects of various environmental projects will be discussed. Besides the students will undertake an empirical exercise through project assignment.

ECO 750

L-T-P-D-[C]

3-0-0-0-[4]

ADVANCED MACRO ECONOMICS

Discussions on macroeconomic theory within the IS-LM framework, add the supply considerations, and then review some of the new classical and new Keynesian contributions; budget financing, interactions with the rest of the world and common empirical issues in macroeconomics.

ECO 751

L-T-P-D-[C]

3-0-0-0-[4]

LAW AND ECONOMICS

Prereq. None

Introduction; Economic Analysis of Property Law: An Economic Theory of Property, and Intellectual Property Rights; Economic Analysis of Contract Law: Economic Theory of Contract, and Economics of Remedies for Breach of Contract; Economic Analysis of Tort Law, and Economics of Tort Liability; Public Law and Economics: Legislative and Executive Participation and Discretion: Economic analysis of judicial review, and general Applications to Indian Institutes: Economic theory of Corporation Law: The Theory of the Firm, Corporation and their Interaction, the Economic Reconstruction of Corporation Law, analysis of Specific Problems of Corporation Law, Economic Analysis of Labour Law: Unions and Productivity, "Workers-Protective" Legislation, Issues in Employment discrimination on grounds of Race Sex, and Age; and Economic Analysis of Competition Law: Economic Theory of Competition Law, and Competition Policy in India.

ENG 701

L-T-P-D-[C]

3-0-0-0-[4]

FUNDAMENTALS OF MODERN LINGUISTICS

Structure of language; statistical structure and information theory; phonetics, phonemics and the distinctive feature theory; grammatical structure; I-C analysis; phrase structure and transformational grammars; grammatical categories and functions; semantics.

ENG 703

L-T-P-D-[C]

3-0-0-0-[4]

STRUCTURE OF MODERN ENGLISH

Varieties of English; registers and dialects; phonetics of English; phonetic transcription; grammar of English; morphology and syntax; the transformational generative approach to the phonology and syntax of English.

ENG 708

L-T-P-D-[C]

3-0-0-0-[4]

APPLIED LINGUISTICS

Modern developments in applied linguistics particularly in the fields of language

learning and teaching; psychological, sociological, linguistic, and pedagogical aspects of language learning, second language learning; teaching and learning of English as a second language in India; course-design, teaching of language skills; contrastive analysis, error-analysis, programmed instruction, audio-visual aids, language testing, etc.

ENG 709
L-T-P-D-[C]
3-0-0-0-[4]

LINGUISTIC ANALYSIS

This course attempts to apply the principles of linguistic analysis to real language data. It covers phonological, lexical, syntactic and semantic analysis and involves some amount of field-work.

ENG 710
L-T-P-D-[C]
3-0-0-0-[4]

APPROACHES TO THE STUDY OF LITERATURE

The course will examine the five major approaches-the sociological, the moral, the psychological, the textual, the archetypal - towards the study and interpretation of literary texts. A number of poems, plays, novels, and works of non-fictional prose will be analyzed as examples of these approaches.

ENG 711
L-T-P-D-[C]
3-0-0-0-[4]

INDIAN WRITING IN ENGLISH

Selected Indian writings in English or translated from Indian Languages will be used for an extensive examination of some significant themes, e.g., rejection of old taboos, industrialization and its attendant problems, growth of secularism, social changes, bureaucracy and its role, generation gap, etc.

ENG 712
L-T-P-D-[C]
3-0-0-0-[4]

LITERATURE AND SOCIETY

This course will study in depth and detail the various modes of interaction between literature and society. The primary emphasis will be on some of the major themes and social concerns (such as individual and society, alienation, technological progress and its human consequences, free will and determinism) which have preoccupied creative writers.

ENG 713
L-T-P-D-[C]
3-0-0-0-[4]

THEMES AND VALUES IN MODERN LITERATURE

A study of some of the major recurring themes of modern literature such as alienation, conflict between the generations, impact of science and technology on human life, problems of urbanization, individual versus social and political systems, through literary examples from modern Indian, British, American and European authors.

ENG 715
L-T-P-D-[C]
3-0-0-0-[4]

METHODOLOGY OF TEACHING AND RESEARCH IN LITERATURE

This course will study selected pedagogical material on the teaching of literature

with a view to acquainting the student with the major theories and techniques of literary study as an academic discipline. It will also seek to familiarise the student with the basic tools and materials of literary research.

ENG 716
L-T-P-D-[C]
3-0-0-0-[4]

INDIVIDUAL PROJECTS

This course is intended to provide the students an opportunity to take up on their own a short-term field-work or library project, with constant guidance from the Instructor. Evaluation will depend on the final product and interim reports.

ENG 718
L-T-P-D-[C]
3-0-0-0-[4]

MASTERS OF TWENTIETH CENTURY CRITICISM

On the basis of selected works of I.A. Richards, William Empson, T. S. Eliot, F.R. Leavis, R. P. Blackmur, Cleanth Brooks, John Crowe Ransom, Allen Tate, Kenneth Burke, Yvor Winters, Northrop Frye, Harold Bloom and Jacques Derrida a study of their contribution will be made to literary theory and critical practice.

ENG 719
L-T-P-D-[C]
3-0-0-0-[4]

AMERICAN RENAISSANCE

The course will study the major themes and techniques in the literature of the American Renaissance, with special attention to the writings of Melville, Hawthorne, Emerson, Thoreau and Poe.

ENG 720
L-T-P-D-[C]
3-0-0-0-[4]

STYLISTICS

The course aims at a study of the application of theories and procedures of linguistics to literature to see how far they enrich the experience of literature and help in the evaluation of literary works.

ENG 723
L-T-P-D-[C]
3-0-0-0-[4]

SEMANTIC THEORY

Theories of meaning; referential, ideational, and behaviouristic; meaning and truth; meaning and use; lexical structure; semantic theories in generative grammar; generative semantics; the Extended Standard theory; Fillmore; Speech Act semantics; presupposition theory; semantic representations; semantics and pragmatics.

ENG 725
L-T-P-D-[C]
3-0-0-0-[4]

HISTORY AND STRUCTURE OF THE ENGLISH LANGUAGE

Varieties of English and the dimension of variation; the historical dimension; Old, Middle and Modern English. Structure: sound structure; syntactic structure; information structure and discourse structure; lexical structure and word-formation.

- ENG 731** **SOCIOLINGUISTICS**
L-T-P-D-[C]
3-0-0-0-[4] Relationship between language and culture; place of language in social life; socio-cultural knowledge in verbal communication; social meaning of dialectical, registral and stylistic variation; language contact; code mixing, language problems in multilingual societies and language planning.
- ENG 733** **INDIAN LITERATURE**
L-T-P-D-[C]
3-0-0-0-[4] The course deals with major trends and developments in Indian literature from ancient to modern times. The course will focus primarily on the following topics: the problem of definition; the growth of nationalism; elements of unity in a multilingual situation; ancient religious and secular literature; impact of Western literatures; modern regional literatures.
- ENG 734** **BLACK FICTION**
L-T-P-D-[C]
3-0-0-0-[4] This course is a critical appraisal of the works of African American authors in the twentieth century. An attempt will be made to answer questions such as "Is there a Black Experience that shapes the writings of African - American authors?", etc.
- ENG 735** **COMMONWEALTH LITERATURE**
L-T-P-D-[C]
3-0-0-0-[4] The course covers literature in English in the Commonwealth countries of Africa, Australia, Canada, India, New Zealand, and the West Indies. An attempt will be made to show that commonwealth writers, while contributing to the literature of their own country, find their particular artistic understanding inescapably informed by what William Walsh calls "other silent but active aims".
- ENG 736** **THE GENERATIVE ENTERPRISE : GOALS AND METHODOLOGY**
L-T-P-D-[C]
3-0-0-0-[4] Any post-graduate course in Modern Literature
- Chomskyan revolution in grammar; Linguistics as an empirical science and as a branch of cognitive psychology, Linguistics and natural science methodology. Language universals and parameters; towards a restrictive theory of grammar; models of generative grammar in the mainstream (Prestandard, Standard, Extended Standard, Government and Binding, Minimalist Programme), Construction and refutation of syntactic arguments; rejection and falsification of syntactic theories, etc.
- ENG 737** **LANGUAGE ACQUISITION**
L-T-P-D-[C]
3-0-0-0-[4] Stages in the development of language in the child, approaches to the study of

language acquisition; acquisition of phonology; acquisition of syntax; acquisition of semantics; lexical development; development of speech acts; the learnability theory.

ENG 739

L-T-P-D-[C]

3-0-0-0-[4]

COMPUTATIONAL LINGUISTICS

Description of English syntax in the Government and Binding framework; Augmented Transition Network; issues in Natural Language Understanding; frame-based knowledge representation; use of knowledge in disambiguation and understanding.

ENG 740

L-T-P-D-[C]

3-0-0-0-[4]

THE PRINCIPLES AND PARAMETERS SYNTAX

The government and Binding framework : Organisation of grammar, levels of representation, subsystems of principles; the knowledge of language; the minimalist programme : parameters, locality and bare phrase structure.

ENG 741

L-T-P-D-[C]

3-0-0-0-[4]

PRINCIPLES AND PRACTICE OF LINGUISTIC COMMUNICATION

Communication and language : selection of message, medium settings, negotiation of identities, spoken and visual discourse; language as a social artifact; structure of discourse; theories of discourse semantics; social control through language; applications.

ENG 742

L-T-P-D-[C]

3-0-0-0-[4]

RESPONSIBLE DISSENT

Concept and practice of responsible dissent in various socio-political contexts: Notions of dissent and responsible dissent, ethical roots of dissent, contexts and forms of dissent, profiles of dissenters (Chomsky, Russell, early Gandhi, Ram Mohan Roy, King, etc.), role and responsibility of the intellectual, role of media in suppression of facts and dissemination of misinformation, strategies of manufacture of consent in totalitarian and democratic structures.

ENG 743

L-T-P-D-[C]

3-0-0-0-[4]

FEMINIST THEORY AND LITERATURE

Definitions: the Sex/Gender debate, Masculinity and femininity, patriarchy, the feminism/gender studies debate.

Gender and Identity: Processes of Identity formation, gender roles in different social contexts, gendered life-scripts and their historical transformations.

Gender and Representation: The politics of representation, external vs internal self-representations, the media and representation.

The Politics of Feminism: The reasons and implications of focusing on gender as a subject of inquiry, the relationship between theory and practice, the locational specificity of "feminism," the role of feminism in India.

ENG745

LEXICAL SEMANTICS

Prereq. #

L-T-P-D-[C]

3-0-0-0-[4]

Philosophical and linguistic approaches to lexical semantics; Semantic structure and its modelling; Semantics-syntax mapping; Semantics-pragmatics distinction; Lexical meaning, interlexical relations and semantic distance; Syntactic and semantic polymorphism; Semantic underspecification; Lexicon and modularity; Conceptual and linguistic structures; Conceptual spaces, Generative lexicon; Ontological semantics; Lexical semantic nets: frame semantics, wordnet and verbnet; Acquisition of lexical knowledge; Lexical semantics and discourse relations; Lexical semantics in figurative discourse

ENG748

COGNITIVE LINGUISTICS

L-T-P-D-[C]

3-0-0-0-[4]

The course explores language-cognition mappings in varied contexts such as unilingual, bilingual and sign language use, Crosslinguistic variations in basic conceptual domains such as time and space and lexicalization patterns will be examined. Other topics include nature of linguistic representations open-class semantics and semantics of grammar type hierarchies and continuums, compositional structures and co-compositionality, non-compositional structures, constraints on possible grammars, perceptual processes and grounding.

ENG 749

POSTMODERN THEORY AND LITERATURE

L-T-P-D-[C]

3-0-0-0-[4]

Any post-graduate course in Modern Literature

Acquainting the students with the major critical concepts, self-reflexive texts and amorphous themes of Postmodernism, the course aims to explore the usefulness of the term "postmodernism" as a means of approaching contemporary literature. The course will offer an advanced introduction to the central concepts of postmodernism by providing an approach to contemporary American, Latin American, European and Indian (Writing in English) literature. Major topics for discussion are: The relevance of Postmodernism, differences between Modernism and Postmodernism, Deconstruction, the Death of the Author, Rhizome, Knowledge and Power, Entropy, the Literature of Exhaustion, the Hyperreal and the Simulacrum, Cyberspace and Cyberpunk, Postmodern Ethics, Postmodernism and Popular Culture, Postmodernism in an Indian context, Postmodern Films, Postmodernism and its Limitations.

ENG 750

L-T-P-D-[C]

3-0-0-0-[4]

POSTWAR AMERICAN FICTION

Postwar American fiction is characterized by a complex sensibility that is often pervasive in the novels of the period from 1945 through the Cold War of the seventies and eighties to the present. With America coming into unexampled prosperity following WWII, this sensibility manifests itself as a sense of triumphalism only to give way to introspection and self-debate concerning the problematic of defining American identity and nationhood against a distinct multicultural presence, and the unviability of "American Dream" in a transnational and globalized world in the creation of which, curiously, America itself has enormous investments. Interestingly, fiction of this period frames war both as a trope and a realistic concern. The protracted cultural wars which began with the Civil Rights era of the 1960s infused new life into the literature of the United States in that the traditionally oppressed voices of minorities, be they African Americans, women or the immigrants, began to be heard. And the variegated literary movements (postmodernism, humanism, and feminism to name a few) and fictional strategies (such as protest, fantasy, black humor) employed in the genre bring in to one's reading a nuanced and engaging perspective of how these writers have negotiated reality into their imaginative artistic vision. The fiction of this period is marked by thematic concerns such as politics, paranoia, race, money, technology, sex, suburbia, urban decay, immigration, and spirituality, among others. The course strives to close-read select texts, in the light of rigorous theoretical interventions.

ENG 751

L-T-P-D-[C]

3-0-0-0-[4]

CONTEMPORARY CRITICAL THEORIES AND LITERARY PRAXES

Any postgraduate course in English Literature is desirable

Contemporary critical theories particularly those of the post-1960s, have problematised the writing, reading and receiving of literature. This course examines complex aspects of recent critical theories associated with gender, race, subjectivity, sexuality, textuality, narratology, ecology, and notions of culture and history. It aims to expose students to contemporary theories that would enhance their research into chosen areas of literature. Delving on relevant issues and debates, the course acquaints students with various strategies of reading, interpretation and analysis of literary/non-literary texts and the acquisition of current critical vocabulary. Important topics of discussion include semiotics, deconstruction, intertextuality, reader response theory, autobiographical theory, post-Lacanian psychoanalytic criticism, postcolonialism, postmodernism, third wave feminism, cultural materialism, new historicism, posthumanism, ecocriticism, hypertext theory, and cyber criticism. Significant contributions by the following and other such representative figures will be incorporated in the discussions: Edward Said, Frantz Fanon, Fredric Jameson, Gilles Deleuze and Felix Guattari, Jacques Derrida, Mikhail Bakhtin, Michel Foucault, Roland Barthes, Stephen Greenblatt and Umberto Eco.

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| ENG 752 L-T-P-D-[C] 3-0-0-0-[4] | COMPARATIVE AESTHETICS The course explores the convergence and divergence of eastern and western aesthetic practices, in an attempt to do so. Its scope includes classical Greek and Sanskrit texts like Bharata's Natyasastra and Aristotle's Poetics which are extensive treatises on dramaturgy, Longinus' concept of the sublime, Anandavardhana's concept of dhvani and postulates of New Criticism. |
| HSS 701 L-T-P-D-[C] 3-0-0-0-[4] | THEORIES OF RIGHTS The aim of the course is to understand the origins of the notions in the classical period, its rejuvenation in the medieval and early modern periods, and contemporary debates surrounding different theories of rights with special emphasis on examining debates on human rights. Some specific domains of rights will be taken up for intensive study in the light of various theoretical positions. Themes include: Stoicism, Republicanism, Natural Law Discourse, Liberalism, Utilitarianism, Legal Positivism, Marxism, and Communitarianism. |
| PHI 701 L-T-P-D-[C] 3-0-0-0-[4] | PHILOSOPHY OF MIND Conceptual Taxonomy of Mental Phenomena; Mind-Body Relation in Dualism, Behaviourism, Physicalism, Functionalism; Consciousness and First-person Subjectivity; Meaning and Mental Representation; Self and Self-identity; Thought and Language; Folk Psychology versus Cognitive Science. |
| PHI 751 L-T-P-D-[C] 3-0-0-0-[4] | TWENTIETH CENTURY PHILOSOPHY-I An analytical study of Russell's The Philosophy of Logical Atomism and Wittgenstein's Tractatus Logico-Philosophicus: Facts and Propositions; Names and Objects; Definite Description; Picture Theory of Meaning; Limits of Language, Thought and The World; Silence and the Transcendental. |
| PHI 752 L-T-P-D-[C] 3-0-0-0-[4] | PROBLEMS IN PHILOSOPHICAL AESTHETICS Theories of Art as Mimesis, Expression and Form; Aesthetic Experience; Art as a Cultural System; Art and Morality; the Philosophy of Literature: Truth, Meaning, Interpretation and Evaluation; Literature and Cultural Studies. |
| PHI 753 L-T-P-D-[C] 3-0-0-0-[4] | MODERN LOGIC Propositional Logic; Decision Procedures; Quantification Theory; Axiomatic Method; Philosophical Problems. |

- PHI 757 MORAL JUDGEMENT**
L-T-P-D-[C]
3-0-0-0-[4] The details of the studies in this course will be designed for advanced students depending on their fields of research.
- PHI 765 TWENTIETH CENTURY PHILOSOPHY-II**
L-T-P-D-[C]
3-0-0-0-[4] An Analytical Study of the Logic of Ordinary Language; Problems of Meaning, Reference and Truth; the Analytic-Synthetic Distinction; the Scheme-Content Distinction; Antifoundationalism and Neo-pragmatism. Special reference to the views of Wittgenstein, Austin, Strawson, Quine, Davidson, Kripke, Putnam and Thomas Nagel.
- PHI 766 PHILOSOPHY OF ACTION**
L-T-P-D-[C]
3-0-0-0-[4] A conceptual study of the Nature of Human Agency and Human Action; Action and Purpose; Rational and Causal explanation of Action; Action and Obligation; Logic of Action-statements; Logic of Reasoning about Actions and their Defence.
- PHI 767 LOGIC OF MORAL DISCOURSE**
L-T-P-D-[C]
3-0-0-0-[4] Valuation: Moral and Non-moral; Standards and Principles; Value- judgements; Ought-judgements; Imperatives and Moral Principles; Generalizability; Rules, Instances and Exceptions; Reasons, Choices and Actions and validity.
- PHI 768 MODAL LOGIC**
L-T-P-D-[C]
3-0-0-0-[4] The History of Modal notions; The Lewis systems; Strict Implication and Entailment; The System E and Relevance Logic; Philosophical Problems.
- PHI 769 INDIAN PHILOSOPHY-I**
L-T-P-D-[C]
3-0-0-0-[4] A discussion of Epistemological, Meta-physical and Value problems raised in the Classical Systems of Indian Philosophy. Depending on the students' interest, aptitude and progress, either some texts will be studied in details or one set of problems will be studied through relevant texts.
- PHI 770 PHILOSOPHY OF SOCIAL SCIENCE I**
L-T-P-D-[C]
3-0-0-0-[4] Philosophical presuppositions of Social-scientific method; Explanation and Understanding: The Hypothetico-Deductive model; the Verstehen Model and others; The problem of Rationality: of Rational Explanation and Rational Action; Value and Objectivity.

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| PHI 772 L-T-P-D-[C] 3-0-0-0-[4] | ETHICAL THEORIES A critical and analytical study of ethical theories of some classical and contemporary moral philosophers. |
| PHI 773 L-T-P-D-[C] 3-0-0-0-[4] | WITTGENSTEIN A study of Wittgenstein's later philosophy: critique of Wittgenstein's earlier philosophy; Private Language Argument; Meaning, Use and Rule-following; Aspect-seeing; Pre-epistemic certainty. |
| PHI 774 L-T-P-D-[C] 3-0-0-0-[4] | SOCIAL AND POLITICAL PHILOSOPHY Nature and Method of Social Philosophy; Nature of Society; Theories of Origins of Society; Place and Role of Social Institutions; Social Values and Ends of Political Authority; Sources of Justification and Legitimacy of Political Authority; Individual and Society; Individual and State. |
| PHI 776 L-T-P-D-[C] 3-0-0-0-[4] | PHILOSOPHY OF THE SOCIAL SCIENCES II Prereq. # Philosophical approaches to the problem of the relationship between Knowledge and Social Structure. Studies will be undertaken from selections from Marx, Weber, Durkheim, Mannheim, Critical Theory, Hermeneutics and Post Modernism. |
| PHI 777 L-T-P-D-[C] 3-0-0-0-[4] | INDIAN PHILOSOPHY IN CONTEMPORARY PERSPECTIVE Conscious and the Self ; The Problem of Intentionality ; Nyaya Realism & Buddhist Idealism ; Svatah- pramanyavada; Theories of Meaning ; Dharma, Morality and Freedom. |
| PHI 779 L-T-P-D-[C] 3-0-0-0-[4] | ADVANCED ETHICAL THEORY Main topics to be covered: Rules; Moral Rules; Utility; Moral Virtues; Obligations; Morals and Rationality. |
| PHI 782 L-T-P-D-[C] 3-0-0-0-[4] | EXISTENTIALISM The course seeks to go into the sources of modern existentialist movement in the thoughts of Hegel, Husserl and Kierkegaard. A detailed study of Sartre's philosophy will be undertaken in the light of his early and later writings. |
| PHI 798 L-T-P-D-[C] 3-0-0-0-[4] | PHILOSOPHY OF HISTORY The course is in two parts. Part one is Analytical Philosophy of History: Explanation and Understanding of Historical Events; Objectivity and Evaluation in Historical |

Writing etc. Part two is Speculative Philosophy of History: those of Augustine, Vico, Herder, Kant, Hegel, Marx and Toynbee.

PSY 774

L-T-P-D-[C]

3-0-0-0-[4]

QUALITATIVE RESEARCH : THEORY AND PRACTICE

In the last few years, research in psychology has witnessed a remarkable shift to a post- positivist paradigm. A large number of qualitative methods have emerged in consonance with this shift. For a researcher in psychology, the knowledge of research methods and methodological issues is now incomplete without an in- depth understanding of the qualitative methods. This course is aimed at providing an extensive overview of qualitative research methods, methodological roots, major theoretical principles and issues in qualitative research. Various methods would be discussed along with examples of representations cultural psychology developmental psychology discursive psychology, counseling and psychotherapy.

PSY 775

L-T-P-D-[C]

3-1-0-0-[4]

FUNDAMENTALS OF NEUROPSYCHOLOGY

Development and evolution of brain : Brain organization and function; Cerebral asymmetry; Neuropsychology of higher order functions - memory language, emotional processes, spatial behaviour ; Applied human neuropsychology.

Selected Readings:

1. Barrett, L., Dunbar, R., & Lycett, J. (2002). Human evolutionary psychology, Palgrave Publishers Ltd.
2. Kolb, B. & Wishaw, I.Q. (1990) Fundamentals of human neuropsychology, W.H. Freeman & Company.
3. Mandal, M.K., Bulman-Fleming , M.B., & Tiwari, G.(2000). Side Bias: A Neuropsychological Perspective, Kluwer Academic Publishers.

PSY 777

L-T-P-D-[C]

3-0-0-0-[4]

ELEMENTS OF STATISTICAL ANALYSIS

The essentials of statistics in a relatively non-mathematical form, statistical techniques most frequently employed in psychology for the analysis and synthesis of data.

PSY 778

L-T-P-D-[C]

3-0-0-0-[4]

EXPERIMENTAL DESIGN

The course intends to familiarize the students with the statistical principles involved in experimental designs. The course focuses on the use of factorial designs in psychological research. Single and multi-factor experiments are covered.

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| <p>PSY 780 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>PSYCHOLOGY OF PERSONALITY</p> <p>Introduction to the field of personality. Trait and situational approaches to personality are covered, along with a critical assessment of the major theories of personality.</p> |
| <p>PSY 781 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>DEVELOPMENT OF PERSONALITY</p> <p>Growth and development of personality, the critical stages of growth, contributions of the psychoanalytically-oriented psychologists, ego psychologists, and social learning theorists; and role of external interventions on the ongoing process of personality growth.</p> |
| <p>PSY 783 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>ADVANCED EXPERIMENTAL SOCIAL PSYCHOLOGY</p> <p>The course includes experimental paradigms in contemporary social psychology covering areas such as attitude and attitude change, group processes, social power, reward allocation, prosocial behavior, social cognition, social influence processes, aggression and violence; and the important theories in social psychology.</p> |
| <p>PSY 784 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>APPLIED SOCIAL PSYCHO-LOGY</p> <p>This course will explain how social psychological theories can be applied to real life. The prime objective is to disseminate findings from behavioural science research which have relevance for problems of society.</p> |
| <p>PSY 785 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>PERSONALITY ASSESSMENT, THEORY AND TECHNIQUE</p> <p>The techniques of assessing personality. A discussion of current approaches to personality theory as related to assessment. Rating scales, inventories, projective techniques, the experimental methods, and the principles and theoretical bases underlying these assessment techniques will be discussed.</p> |
| <p>PSY 786 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>UNDERSTANDING ORGANIZATIONAL BEHAVIOUR</p> <p>A coherent introduction to organizational psychology, historically taking off from industrial psychology and human relations movement. The course takes a look at man-in- organizations in a social environment and concentrates on the theoretically significant empirical research.</p> |
| <p>PSY 787 L-T-P-D-[C] 3-0-0-0-[4]</p> | <p>MANAGEMENT OF ORGANIZATIONAL BEHAVIOUR</p> <p>The course focuses on a practical training to understand the human behaviour at work in order to predict the effectiveness and well-being in various types of organizations, and to enhance the understanding of change processes in these organizations.</p> |

- PSY 788** **ADVANCED COURSE ON DEVELOPMENT OF PERSONALITY: PSYCHOLOGY OF WOMEN**
L-T-P-D-[C]
3-0-0-0-[4]
- The overall objective of the course is to gain insight into the development of personality through the specific study of the woman, development of the woman through the entire life the interplay between cultural context, biological factors and psychological influences.
- PSY 789** **LEARNING, MEMORY AND COGNITION**
L-T-P-D-[C]
3-0-0-0-[4]
- A wide coverage of behavioural functions characterized as "Learning and Cognition". It presents a broad spectrum of current developments in these areas. The main objective of the course is to expose the students to some of the recent advancement in the areas of learning, memory, and cognition.
- PSY 790** **HUMAN COGNITIVE PROCESSES**
L-T-P-D-[C]
3-1-0-0-[4]
- The course deals with scientific study of human mind and explores cognitive processes involved in perception, memory, pattern recognition, psycholinguistics, and bilingualism. Recent research techniques, issues and stands in these areas are critically examined.
- PSY 791** **ADVANCED COURSE IN PSYCHOLOGICAL ASSESSMENT**
L-T-P-D-[C]
3-1-0-0-[4]
- The course is designed for students who already have a general overview of testing. Practical applications and use of psychological tests such as WAIS, TAT, 16 PF, Kelly's Rep Grid and others are considered for administration, scoring and interpretation.
- PSY 793** **COMMUNITY PSYCHOLOGY**
L-T-P-D-[C]
3-0-0-0-[4]
- The course is concerned with generating theory and research that will clarify the complex interaction between individuals and social institutions, developing methods and procedures that will help individuals to cope with their environments, tailoring environments to meet human needs better and developing intervention strategies.
- PSY 795** **LEADERSHIP AND STRATEGIC MANAGEMENT IN ORGANIZATIONS**
L-T-P-D-[C]
3-0-0-0-[4]
- Whether an organization will succeed or fail ultimately depends upon the appropriate administration of the subject of this course: leadership and strategic management. It includes the advanced understanding of modern theory and practice in leadership and strategic management.

- PSY 796** **CROSS-CULTURAL PERSPECTIVES IN PSYCHOLOGY**
L-T-P-D-[C]
3-0-0-0-[4] The course highlights the role of cultural factors in psychological processes, including the anthropological and psychological views of culture, cross-cultural variations in social and organizational behaviour, cognition and personality, the major models, and methodological issues.
- PSY 797** **COGNITION IN ORGANIZATIONS**
L-T-P-D-[C]
3-0-0-0-[4] The course contents include foundations of cognitive research in organizations; role of knowledge in managerial performance; cognitive cause mapping; cognition of groups; organizational culture and individual sense-making; organizational decision-making; negotiator cognition and collective scripts and other related topics.
- PSY 798** **ADVANCED COURSE IN SOCIAL COGNITION**
L-T-P-D-[C]
3-0-0-0-[4] The course aims at providing an understanding of the concepts and issues in social cognition research. The course contents include historical roots of social cognition; social cognitive principles - a cost-benefit analysis; representation of social knowledge; social schemas; heuristics and biases; contribution of social representations; rituals and rhetoric; knowledge and social process; social cognition and the study of stereotyping, prejudice and discrimination, social cognition and discourse; social sensibility and neural function.
- SOC 720** **RESEARCH METHODS**
L-T-P-D-[C]
3-0-0-0-[4] Nature and types of scientific explanation, Values and objectivity in social science research, Various research designs: (i) Descriptive, (ii) Exploratory, (ii) Experimental (two and multigroup designs). Tools and techniques of data collection, both direct and indirect methods of data collection (projective techniques), Various scaling techniques (Differential scales, Summated scales and Cumulative scales, etc), problems of measurement, Various types of reliability and validity of measures, Qualitative research.
- SOC 721** **SOCIOLOGICAL THEORY**
L-T-P-D-[C]
3-0-0-0-[4] Relation between theory and research. The nature and use of theory, basic concepts, fundamental perspectives of society, conceptualization of social system social structure and culture, Various perspectives; Structural Functional, conflict Theory - Frankfurt school critical theory, Exchange theory, Symbolic - Interactionism, Phenomenology, Ethnomethodology & Structuration theory.

- SOC 723** **INTRODUCTION TO STATISTICAL INFERENCE**
L-T-P-D-[C]
3-0-0-0-[4] Basic statistics; correlation and regression analysis; probability and probability distributions; sampling designs; tests of significance; analysis of variance; non-parametric methods; recent developments in applied statistics in social sciences.
- SOC 724** **URBAN SOCIOLOGY**
L-T-P-D-[C]
3-0-0-0-[4] Process of urbanization and urban social structure in contemporary societies. Role of capital and state in the urban social formations, Urban development-theory and practice. Class, ethnic relations in Urban societies etc., Urban renewal, Urban Problems in India.
- SOC 725** **SOCIAL CHANGE IN DEVELOPING SOCIETIES**
L-T-P-D-[C]
3-0-0-0-[4] Process of change, models of change, Factors of change characteristics and problem of developing societies with special reference to India, problems of continuity, identity and conflict, traditionalism and modernity, methodology (comprative) for the study of change.
- SOC 729** **AGRARIAN SOCIAL STRUCTURE AND CHANGE IN INDIA**
L-T-P-D-[C]
3-0-0-0-[4] Evolution of the agrarian system from the Mughal period onwards, changes introduced by the British in land administration, emergence of new agrarian classes and class relations in the countryside, the Marxian model of agrarian classes, the traditional model namely the Jajmani system, the changing problems of tribal lands, rural credit, development of capitalist farming and other changes since the land reforms in India, and a review of major sociological studies on the agrarian class relations in India.
- SOC 731** **INDUSTRIAL SOCIOLOGY**
L-T-P-D-[C]
3-0-0-0-[4] The industrial revolution and the process of industrialization. The formal organization, nature and characteristics, Structure of Industrial bureaucracy and its functions, informal organization of Industry, nature and role of trade unions, etc., labour movements in India, Indian labour problems and policies. Triangular relationship : government, management and union.
- SOC 732** **SOCIOLOGY OF DEVELOPMENT**
L-T-P-D-[C]
3-0-0-0-[4] Sociological perspective on development problems with special reference to India, theories/models of development, Modernization Theory (New modernization studies) Dependence Theory (New dependence studies), World System Theory, Global system Interdependence, Globalization, UNDP definition of Development-

indicators. The sustainable nature of Development, Development reconsidered-voices of Dissent.

SOC 733

L-T-P-D-[C]

3-0-0-0-[4]

POPULATION PROCESSES

Basic concepts in demography; sociology of population; recent developments in population theory; population policies; population research methods; population studies in India.

SOC 734

L-T-P-D-[C]

3-0-0-0-[4]

SOCIAL INEQUALITY AND STRATIFICATION

Critical evaluation of concepts and theories of social inequality and stratification; aspects of inequality in contemporary societies; methodology of stratification; stratification in India.

SOC 737

L-T-P-D-[C]

3-0-0-0-[4]

DEVELOPMENT AND SOCIAL STRATIFICATION

Sociology of Social Stratification (in classical writings), Theories of stratification and issues ; social stratification and development; three worlds of development and international stratification; development and distribution; economic growth and poverty, Theories of poverty & Relative Deprivation).

SOC 742

L-T-P-D-[C]

3-0-0-0-[4]

SOCIOLOGY OF ENVIRONMENT

The new environmental paradigm in sociology. The relationship between environment and 'social complex'. Environmentalism and Development (issue of socio-economic equities), The concept of sustainable development in environmental studies. Social response to environmental-imperatives (Role of value structure, normative and attitudinal patterns in communities). Social Institutions in the context of environmentalism, e.g. Religion, caste, tribe, local communities and voluntary associations. Environmental movements and their impacts.

SOC 745

L-T-P-D-[C]

3-0-0-0-[4]

SOCIAL THEORY IN LATE TWENTIETH CENTURY

Canons in sociological theory, breaking with modernity, post positivist and post structural social thought, post modernism in social theory: present images and future possibilities, Writings of J Baudrillard, Michel Foucault, J F Lyotard, J Derrida, and F Jameson.

SOC 746

L-T-P-D-[C]

3-0-0-0-[4]

SOCIAL MOVEMENTS: OLD AND NEW

The aim of the course is to define the various types of social movements, and understand their role in striving for social change or transformation. It will examine theories of social movements in the context of recent debates

surrounding issues of nationalism, ethnicity, and identity. Specific movements, including the role of various actors, will be studied with special reference to India.

SOC 747 **PARTICIPATORY RURAL APPRAISAL (PRA): Philosophy, practical approaches and methods**
L-T-P-D-[C]
3-0-0-0-[4]

Critique of positivist approach in sociology, and limitations of conventional methods such as survey and non-participatory fieldwork. Sociology as the study of social actors, Touraine's concepts of intervention method, and sociology without society. Paradigmatic shift from sociological discourse to advocacy. Origin and development of Rapid Rural Appraisal, Relaxed Rural Appraisal and Participatory Rural Appraisal methods. PRA as a process of empowering people. Principles of PRA. Common methods such as observation, semi-structure interviewing, transect walks, time lines, and trend and change analysis, participatory mapping and modeling, Venn diagramming, linkage diagrams, well-being grouping, matrix scoring and ranking, local indicators, alternatives to questionnaires, listing and card sorting.

SOC 748 **EDUCATION AND SOCIAL CHANGE**
L-T-P-D-[C]
3-0-0-0-[4]

General introduction to the place of learning in society. Learning, education and training. Changing meanings of education across time and society. A brief historical perspective on education in India. Social-political arithmetic as a spurious way of understanding education and social change. Structural functionalist perspectives and structural-conflict perspectives on education. Class, conflict, legitimation processes, reproduction of society. Anarchist perspectives. "New" Sociology of Education. Symbolic interactionist perspectives on education. Resistances to schooling. Critical theory and education. Neo-Weberian perspectives on education. Status politics and education. Caste, class, gender and education in India. Indian thinkers on education. Current debates on the place of education in India.

ECO 799 **Ph. D. Thesis**

ENG 799 **Ph. D. Thesis**

PHI 799 **Ph. D. Thesis**

PSY 799 **Ph. D. Thesis**

SOC 799 **Ph. D. Thesis**