



**GALGOTIAS
UNIVERSITY**

COURSE BOOK

NAME OF SCHOOL: SCHOOL OF LIBERAL EDUCATION

PROGRAMME: BA(H) ECONOMICS

YEAR: 2020-21

Curriculum

Semester I									
Sl. No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	ECO1001	Micro Economics - I	4	0	0	4	20	30	50
2	ECO1002	Macro Economics - I	4	0	0	4	20	30	50
3	ECO1003	Statistics - I	4	0	0	4	20	30	50
4	BLLUCT1001	Professional Communication -BEC-1	2	0	2	3	20	30	50
5	BLEUCT1002	Creative / Liberal Arts	0	0	1	1	20	30	50
6	BCEUCT1001	Environmental Studies	0	1	0	1	20	30	50
7	BCSUCT1001	AI and its applications	2	0	0	2	20	30	50
8	BCSUCT1002	Disruptive Technologies	2	0	0	2	20	30	50
9	SLE1001	Foundations of Social Sciences - I	4	0	0	4	20	30	50
Semester II									
Sl. No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	ECO1004	Micro Economics - II	4	0	0	4	20	30	50
2	ECO1005	Macro Economics - II	4	0	0	4	20	30	50
3	ECO1006	Statistics - II	4	0	0	4	20	30	50
4	ECO1007	Mathematics for Economics	4	0	0	4	20	30	50
5	BLLUCT1002	Professional Communication -BEC-	2	0	2	3	20	30	50

		2							
6	BLEUCT1002	Disaster Management	2	0	2	3	20	30	50
7	SLE1002	Foundations of Social Science - II	4	0	0	4	20	30	50
Summer Semester									
	BSL02P1031	Social Internship - Six Week	0	0	4	2	50		50
Semester III									
SI No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	ECO2007	Growth and Development Economics	4	0	0	4	20	30	50
2		Specialisation -1 Paper -1	4	0	0	4	20	30	50
3		Specialisation -2 Paper -1	4	0	0	4	20	30	50
4	BLEUCT1001	Foreign Language	2	0	0	2	20	30	50
5	BLLUCT1004	Aptitude Building and Logical Reasoning-1	0	0	2	1	20	30	50
6	BLEUCT1003	Creativity, Innovations and Entrepreneurship & IPR	1	0	0	1	20	30	50
7	ECO2011	Experiential Learning - I	4	0	0	4	50		50
Semester IV									
SI No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	ECO2008	Indian Economy	4	0	0	4	20	30	50

2		Specialisation -1 Paper -2	4	0	0	4	20	30	50
3		Specialisation -2 Paper -2	4	0	0	4	20	30	50
4	BCEUCT1002	Waste Management	1	0	0	1			
5	ECO2021	Experiential Learning - II	4	0	0	4	50		50
6		Interdisciplinary - I	4	0	0	4	20	30	50
7	SLE2007	Qualitative and Quantitative Analysis & Reasoning	4	0	0	4	20	30	50
8	BLLUCT1005	Aptitude building and Logical Reasoning -2	0	0	2	1			

Semester V

Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1		Specialisation -1 Paper -3	4	0	0	4	20	30	50
2		Specialisation -2 Paper -3	4	0	0	4	20	30	50
3	BBSUCT1002	Ethics and Professional Competency	1	0	0	1			
	BLLUCT2001	Aptitude Building and Logical Reasoning-3							
4	BLLUCT1003	Campus to corporate	3	0	0	3			
5		Interdisciplinary - II	4	0	0	4	20	30	50
6	ECO3011	Experiential Learning - III	0	0	8	4	50		50
7	SLE3001	Writing for the Social Sciences & Humanities	4	0	0	4	20	30	50

8	BSL02P1051	Dissertation Phase I	0	0	2	1	50		50
Semester VI									
Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1		Specialisation -1 Paper -4	4	0	0	4	20	30	50
2		Specialisation -2 Paper -4	4	0	0	4	20	30	50
3		Interdisciplinary - III	4	0	0	4	20	30	50
	BLLUCT2002	Aptitude building and Logical Reasoning -4	0	0	2	1			
4	BSL02P1052	Dissertation	0	0	2	8	50		50

SPECIALISATION GROUPS:										
Specialisation 1 - Quantitative Economics							Assessment Pattern			
SN	Course Code	Course Title	L	T	P	C	IA	MTE	ETE	Semester
1	ECO2001	Mathematical Economics	4	0	0	4	20	30	50	III
2	ECO2002	Research Methodology	4	0	0	4	20	30	50	IV
3	ECO3001	Econometrics - I	4	0	0	4	20	30	50	V
4	ECO3002	Econometrics - II	4	0	0	4	20	30	50	VI
Specialisation 2 - Financial Economics							Assessment Pattern			
SN	Course Code	Course Title	L	T	P	C	IA	MTE	ETE	Semester
1	ECO2003	Monetary Economics	4	0	0	4	20	30	50	III
2	ECO2004	Public Finance	4	0	0	4	20	30	50	IV
3	ECO3003	Financial Institutions and Markets	4	0	0	4	20	30	50	V
4	ECO3004	International Trade and Finance	4	0	0	4	20	30	50	VI
Specialisation 1 – Economics of Resources							Assessment Pattern			
SN	Course Code	Course Title	L	T	P	C	IA	MTE	ETE	Semester
1	ECO2005	Environmental Economics	4	0	0	4	20	30	50	III
2	ECO2006	Economics of Health and	4	0	0	4	20	30	50	IV

		Education								
3	ECO3005	Industrial and Labour Economics	4	0	0	4	20	30	50	V
4	ECO3006	Agriculture Economics	4	0	0	4	20	30	50	VI
INTERDISCIPLINARY ELECTIVES OFFERED BY DEPARTMENT OF ECONOMICS			INTERDISCIPLINARY STREAMS							
			(Any two is to be chosen, each group will offer two courses. Choice must be from other than the major) Group A: Economics (Major) Group B: Applied Psychology Group C: English Group D: Political Science Group E: Sociology							
							Assessment Pattern			
SN	Course Code	Course Title	L	T	P	C	IA	MTE	ETE	Semester
1	ECO2009	Cashless Economy and Start-ups	4	0	0	4	20	30	50	V
2	ECO2010	Global Economic Issues	4	0	0	4	20	30	50	VI
INTERDISCIPLINARY ELECTIVES OFFERED BY DEPARTMENTS (one for each Sem)							Assessment Pattern			
SN	Course Code	Course Title	L	T	P	C	IA	MTE	ETE	Semester
1	POL3101	Contemporary issue in Indian politics	4	0	0	4	20	30	50	V
2	PSY3005	Psychology of Individual Differences	4	0	0	4	20	30	50	V
3	BSL05T5014	Religion, Science and Society	4	0	0	4	20	30	50	V
4	ENG3005	Literature, Film and Social Media	4	0	0	4	20	30	50	V
5	POL3091	Indian foreign policy	4	0	0	4	20	30	50	VI
6	PSY3010	Organisational Psychology	4	0	0	4	20	30	50	VI
7			4	0	0	4	20	30	50	VI
8	ENG3010	Intercultural Communication	4	0	0	4	20	30	50	VI

TOTAL CREDITS SEMESTER WISE = 24+25+25+25+25+20 = 144

TOTAL CORE COURSES CREDITS = 77

TOTAL ELECTIVE COURSES CREDITS = 67

Name of The Course	Microeconomics-I			
Course Code	ECO1001			
Prerequisite	None			
Corequisite	Basic economics			
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- Facilitate a basic understanding about the economic problem of scarcity and choice.
- Provide a fundamental understanding of the behaviour of an economic unit.
- Familiarize the students with the factors that affect demand patterns of human beings at individual & market levels.
- Acquaint with the concept of production and Market efficiencies.
- Provide a understanding of consumer and producer preferences in consumption and production.
- Provide the concept of cost in short run and long run for firms.

Course Outcomes

After completing this course, students will be able to:

CO1	Acquire a basic understanding about the economic problem of scarcity, choice and the questions an economy is faced with.
CO2	Understand the behaviour of an economic unit at Micro level.
CO3	Familiarization with the concept of demand, supply, consumer preferences and producer behaviour.
CO4	Understand the short run and long run efficiency and peculiarities.
CO5	Understand the underlying assumptions of the approach of the major economic theories.
CO6	Able to understand revenue and cost concepts

Text Book (s):

- Dominick Salvatore, Fifth edition, Microeconomics: Theory and Applications, Tata Mac-Graw Hill.
- Dominick Salvatore, Schaum's outlier of theory and problem of Micro Economic theory, Tata Mc-graw hill.

Reference Book (s)

- Lipsey R G and Chrystal K A [Recent edition], Principles of Economics, 9th Edition, Oxford University Press.
- Stonier A.W& Hague D.C (Recent edition) A Text Book of Economic Theory, ELBS& Longman Group, London

Unit-1 Introduction
Nature of economics, the economics problem: Scarcity and Choice; the questions of What to Produce, How to Produce and How to Distribute Output; concept of different Microeconomic units - commodity, consumer, firm, industry, market – concepts of equilibrium.
Unit-2 General Concepts:
Positive and normative economics, partial and general equilibrium, inductive and deductive methods
Unit-3 Theory of Demand and Supply
Determinants of individual demand/supply, Demand/Supply schedule and demand/supply curve, Market versus individual demand/supply, Shifts in the demand/supply curve, Demand and Supply together and determination of equilibrium price.
Unit-4 Measurement of utility
The Marshallian/cardinal Approach: measurement of utility – derivation of demand curve – consumer's surplus indifference curve/ordinal approach: indifference curve and its properties, price consumption curve and income consumption curve, - price effect, income effect and substitution effect,
Unit-5 Theory of Firms
Production function: – law of variable proportions – the fixed coefficient Production function. Iso-quant curves and Iso-cost line: definition of Iso- quant curve, economic region of production, marginal rate of technical substitution, equilibrium of the producer - constrained output maximization and constrained cost minimization, returns to scale - homogeneous production function.

Unit-6 Revenue Curves & Concept

Concepts of Average Revenue, Total Revenue and Marginal Revenue; Break even analysis.

Cost function: different concepts of costs, short run cost analysis and long run cost Analysis- total, average and Marginal cost curves – long run cost curves as envelope of short run cost curves.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Macro Economics-I			
Course Code	ECO1002			
Prerequisite	Basic Economics			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- To acquire the knowledge of basic concepts in macroeconomics and develop familiarity with the basic terminology and elementary ideas of macroeconomics.
- To make students understand and study the circular flow of income in the economy and role and importance of macroeconomic variables like GDP, National Income etc.
- To make students understand the underlying assumptions of the approach of the major schools of economic thought: Classical Vs Keynes.
- To make students understand the principles and determinants of macroeconomic variables such as aggregate demand, aggregate supply, consumption, saving, investment etc.

- To make students familiar with the major issues relevant to macro economy such as unemployment, inflation and stagflation.
- To make students understand the trade-off between unemployment, inflation and analyse the supply side of economics

Course Outcomes

After completing this course, students will be able to:

CO1	Acquire the knowledge of basic concepts in macroeconomics and would be familiar with the basic terminology and elementary ideas of macroeconomics.
CO2	Understand the circular flow of income in the economy and role and importance of macroeconomic variables like GDP, National Income etc.
CO3	Understand the underlying assumptions of the approach of the major schools of economic thought: Classical Vs Keynes.
CO4	Understand the principles and determinants of macroeconomic variables such as aggregate demand, aggregate supply, consumption, saving, investment etc.
CO5	Get familiar with the major issues relevant to macro economy such as unemployment, inflation and stagflation.
CO6	Able to understand consumption, saving and investment

Text Book (s)

- R. Dornbusch, S. Fischer & R. Startz (2012), Macroeconomics, Tenth Edition, Mc Graw Hill
- Shapiro, E. (1978), Macroeconomic analysis (No. 339.2 S4 1978)

Reference Book (s)/Papers

- Case Fair and Oster (2012), Principles of Macroeconomics, 10th Edition, Pearson
- Frank & Barnake (2011), Principles of Economics, 3rd Edition, TATA Mc Graw Hill
- N. Gregory Mankiw (2007), Principles of Economics, 4th edition, Cengage learning
- India’s Potential Output Revisited
- Phillips Curve Relationship in India; Comparison of Consumer and Wholesale Prices Indices in India; Measures of Core Inflation in India – An Empirical Evaluation
- Long Run and Short Run Saving- Investment Relationship in India

Unit-1 Macroeconomics Concepts

Macroeconomics; Origin of Macroeconomics; Macroeconomics Vs Microeconomics; Stock and Flow Variables; Equilibrium and Disequilibrium; Static, Comparative Static and Comparative dynamic Analysis; Circular Flow of Income: two, three and four sector,

Unit-2 Measurement of GDP

Two Measures of National Product – Real flow and Nominal flow; GDP – Yardstick of an economy’s performance; National income identities with government and international trade; National Income Concepts and Aggregates; Methods of Measurement of GDP; Real Vs Nominal GDP; Potential GDP, GDP Gap, GDP Deflator

Unit-3 Output and Employment Macro-Economic Equilibrium

Models of income and employment determination; Says Law of Market; Keynesian Models of income and employment determination; The Principle of Effective Demand Concepts and Determinants of Aggregate Demand (AD) and Aggregate Supply (AS), Putting AD and AS together in long run; Shifts in AD & AS: Demand Shocks; Aggregate Supply and Supply Shocks; Stagflation; Okun’s law; Supply Side Economics - Laffer Curve; Stagflation

Unit-4 Employment and Inflation

Concept of Full employment / Unemployment; Measurement of Unemployment; Types of Unemployment; Non-Accelerating inflation Rate of Unemployment (NAIRU); Cost of Unemployment; Concept of Inflation; Theories of Demand-pull and Cost-push inflation; Cost of Inflation; Short run trade-off between Inflation and unemployment - Phillips curve; Inflation and Indexation

Unit-5 Consumption

Consumption Function – Long run and Short run - Psychological Law of Consumption; Factors influencing consumption spending; Saving Function; Average Propensity to Consume/Save - Marginal Propensity to Consume/Save;

Unit-6 Saving and Investment

Types of Investment; Investment Demand Curve; — Autonomous and induced investment; Marginal efficiency of capital; Savings and investment — ex post and ex ante, Equality and equilibrium Investment Multiplier and its effectiveness in developing countries; Paradox of Thrift; Principal of Acceleration

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Statistics - I
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Course Code	ECO1003			
Prerequisite	Knowledge of Quantitative Techniques/ Basic knowledge of measures of central tendency.			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- To understand different types of data
- To learn how to graph data
- To demonstrate an understanding of the role and types of economic data
- To develop basic understanding of elementary statistical tools and their role in data analysis.
- To apply some basic range of techniques for data analyses to support decision making
- To present an economic argument in quantitative terms.

Course Outcomes

After completing this course, students will be able to:

CO1	Distinguish between different types of data
CO2	Summarise and graph data
CO3	Demonstrate an understanding of the role and types of economic data
CO4	Develop basic understanding of elementary statistical tools and their role in data analysis
CO5	Present an economic argument in quantitative terms
CO6	Able to calculating index

Text Book (s)

- Jaggia and Kelly (2013), "**Business Statistics: Communicating with Numbers**" McGraw Hill Education, New Delhi.
- Aggarwal, B.M. (2009), "*Statistics for Business and Economics*", 2nd Edition, Ilex Publication, New Delhi.

Reference Book (s)

- Black, J. and J.F. Bradley (1973), *Essential Mathematics for Economists*, John Wiley and Sons.
- Croxton, F.E., D.J. Cowden and S. Klein (1973), *Applied General Statistics*, Prentice Hall, New Delhi.

Unit-1 Tabular and Diagrammatic Presentation of Data
Statistical Data – classification and presentation, methods of collection of data, frequency distribution and its diagrammatic presentation, choice of class interval, diagrammatic representation of frequency distribution, frequency curve, cumulative frequency distribution (more than and less than) Ogive. (Case – House Prices)
Unit-2 Measures of Central Tendency
Arithmetic Mean, Geometric Mean, Harmonic Mean, Median and Mode (for both grouped and ungrouped data), comparison of mean, median and mode – (Symmetric and Asymmetric Distribution), composite mean (average from combined data) – properties for all these measures. (Case – Investment Decision)
Unit-3 Measures of Dispersion
Absolute measures – Range, Inter-quartile Range, Quartile Deviation, Coefficient of Quartile Deviation, Mean Deviation, Standard Deviation and Coefficient of Variation.
Unit-4 Measures of inequality
Measurement of economic inequality: Lorenz Curve, Moments and measures of skewness and Kurtosis.
Unit-5 Correlation and Regression Analysis
Scatter diagram, Karl Pearson product movement correlation coefficient, Spearman’s rank correlation coefficient. Simple Regression Analysis.
Unit-6 Index Numbers
Index Numbers: Laspeyers, Pasche and Fisher.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100
Name of The Course	Professional Communication		

Course Code	BLLUCT1001			
Prerequisite	Understanding of the basics of English language, pronunciation and technical as well as academic writing			
Corequisite				
Antirequisite				
	L	T	P	C
	2	0	0	2

Course Objectives:

The objective of the course is to:

Understand simple texts and a range of high frequency vocabulary in context

- Describe aspects of personal and everyday life in both oral and written form
- Produce short and simple connected texts on familiar topics
- Basic understanding into pronunciation of English sounds

Course Outcomes:

On the successful completion of the course, the student would be able to:

- Develop the understanding into the communication and language as its medium
- Develop the basic understanding of spoken English
- Improve their reading fluency skills through extensive reading
- Use and assess information from academic sources, distinguishing between main ideas and details
- Compare and use a range official support through formal and informal writings.
- Able to understand instructions, requests and class lectures.

Additional References

- Course Title: **Communication Skills** by Dr. T. Ravichandran, Department of Humanities and Social Sciences (NPTEL)
https://www.youtube.com/watch?v=cQruENyLNYI&list=PLbMVogVj5nJSZB8BV29_sPwwkzMTYXpaH
- Course Title: **English Language for Competitive Examinations** By Prof. Aysha Iqbal (NPTEL)
- <https://www.youtube.com/watch?v=6xFaxIwwq0s&list=PLqGm0yRYwTjSdCmTeXLJLJkHXmC6CbEw>

- Course Title: **Better Spoken English** by Prof. Shreesh Chaudhary, Department of Humanities and Social Sciences, IIT Madras. (NPTEL)

<https://www.youtube.com/watch?v=0AM35Nu5McY&list=PLbMVogVj5nJT3a24lj4KOkQCOElxcDQrs>

- Course Title: **Understanding Creativity and Creative Writing** by Prof. Neelima Talwar(NPTEL)

- <http://www.digimat.in/nptel/courses/video/109101017/L01.html>

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Unit-1
Communication – Definition, Importance, Features- 7Cs and ABCs
Unit-2
Basics of Grammar -Noun Pronoun, Subject Verb Agreement, Article, Prepositions, Punctuation Sentence Structure
Unit-3
Vocabulary Building -The concept of Word Formation, Synonyms, antonyms, and standard abbreviations
Unit-4
Basic Writing Skills -Brainstorming, Structure, Organisation, Outline, Precision, Coherence (Connectedness)
Paragraph writing: Types and Constituents, practice
Unit-5
Essay Writing
Précis (Selected Essays)
Unit-6

Technical writing style and language**Official Communication: Notice, Agenda, Minutes of Meeting, Memo, Official Note, Formal Letters, Brochure, Newsletter**

Course Title:	Creative and Liberal Arts
Program:	Under Graduate
Course Code:	BLEUCT1002
Department:	
Year:	2020-21
Credit:	0.5
Course Coordinator and Instructor:	

Course Description:

To study Creative and liberal arts is to comprehend and identify with a vital part of human society. This course offer students the opportunity to engage in ideas which have shaped a culture through the study of fiction, creative nonfiction, poetry and drama. By reading and discussing a wide variety of literature, students gain a broad historical perspective as well as critical skills and cultural awareness needed in a global community. Good writers and communicators are needed everywhere in the workplace now as never before. The demand increases as fewer individuals attend to the written word as a vital tool. It is demand for various companies, "Send us people who can write well and speak well. We can teach them the machines they need to know."

Learning Objectives:

Course aims to prepare open-minded, creatively engaged, and culturally aware people to live and play together. Students must show an interest in the liberal arts either by majoring in an artistic field or the humanities (art, English, film, music, theatre, philosophy, political science, history, etc.) or by simply enjoying and getting involved in the arts. Course is designed to generate an atmosphere for students to express and explore the liberal arts, creativity, and artistic interests or skills.

Course Outcome

After completing this course, students will be able to:

- Foster a respect and appreciation for art as a mutual space for communication
- Connect through art on an intellectual and emotional level
- See the world through different perspectives and mediums advancing appreciation for diversity
- Support one another's artistic and creative endeavors
- Connect to the larger community through advocacy of the arts
- Use the arts as a means of serving others

Module (Syllabus)-

- Students can boost up their knowledge by active learning participations in the respective fields such as; Advertising, public welfare, education, illustration, drawing, creative photography, digital photography, graphic design.
- **Graphic design:** Graphic design is art with a purpose. It involves a creative and systematic plan to solve a problem or achieve certain objectives, with the use of images, symbols or even words.
- **Communication design:** designing of logos, signs, monograms, symbols, tags, shopping bags, stickers, novelties, gift articles, book jackets, public relation promotional materials.
- **Drawing:** drawing from life, full figure study, rendering in pencil, color and ink. Drawing from nature-observation and rendering in different media, Anatomy- study of muscles- bones of human body. Memory drawing- rendering from environmental events.
- **Outdoor study:** outdoor sketching with specific purpose, architectural man-made and natural objects. Project study in depth of man-made and natural objects: animals, trees, flowers, architectural features, sculptures, textiles, furniture etc. study of any one specific subject throughout the course period.
- **Field trip (in group) are recommended:** students observe the internal working and behind the scene activities of their future careers through visits leading design firms, advertising agencies, television and film and video studios, museums, seminars, photographic studios, newspaper houses etc. this valuable exposure to pace setters of the industry is not only educational but exposes students to future career positions and potential employees. (Each student has to submit his observations in a folder form).
- **Group discussion:** students should be taught to argue and express their views boldly and frankly on the work executed by them in the class every week, so that the skill to defend themselves is achieved, which is long run help them in building up the confidence and salesmanship which is of prime importance in the field of applied art, creative and liberal art areas.

Activity-

- Essay writing
- Attending readings on and off-campus (produce summery of write up)
- Helping to educate other progressive thinkers, artists & writers about your areas of expertise
- Taking gallery and museum tours (Produce experiential learning report)
- Organizing/ Attending music shows, art shows, speakers/lectures, plays, etc.
- Creating works of art (Group work)
- Designing your own floor shirt
- Poem writing
- Documentary movie review
- Poster presentation
- Community connect/ interaction

Reference-

Mark Baskinger, William Bardel (2013), Drawing Ideas: A Hand-Drawn Approach for Better Design, Watson-Guptill publication (ebook).

Paul Klee, Paul Findlay (1966), On Modern Art, Faber & Faber publication, London.

Name of The Course	ENVIRONMENTAL STUDIES			
Course Code	BCEUCT1001			
Prerequisite	None			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	3	0	0	3

Course Outcomes

After completing this course, students will be able to:

CO1	Identify the importance of environment and analyze the problems associated with various natural resources.
CO2	Determine the harmful effects of toxic chemicals on living beings and environment.
CO3	Identify the harmful effects of environmental pollution and its control methods.
CO4	Identify the different social issues affecting the society and environment.
CO5	Interpret different tools of Green Chemistry towards generating a zero waste environment

Text Books

- Environmental Studies, Anubha Kaushik, C P Kaushik, New Age International Publishers, 2008, ISBN:978-81-224-2159-0.
- Environmental Studies, Suresh K. Dhameja, S.K. Kataria and Sons , 2008, ISBN: 81-88458-77-5
- Text Book of Environmental Studies, ErachBharucha, University Press (India) Private Limited, 2005, ISBN: 978 81 7371 540 2
- Environmental Studies (From Crisis to Cure) Second Edition. , R. Rajagopalan, Oxford University Press, 2012, ISBN 0-19-807208-2.
- Environmental Studies, RanuGadi, Sunitta Rattan, SushmitaMohapatra, S.K. Kataria and Sons, 2008, ISBN: 81-89757-98-9.

Reference Books/ Other Study material

- Environmental Studies , Benny Joseph , Tata McGraw Hill Education Private Limited, 2009, ISBN: 987-0-07-064813-5.
- Environmental Studies, AninditaBasak, Pearson Education, 2009, ISBN: 978-81-317-2118-6.
- Principles of Environmental Science (Inquiry and Applications), William P. Cunningham & Mary Ann Cunningham, Tata McGraw Hill Education Private Limited, 2007, ISBN: 987-0-07-064772-0.

Unit I: Environment and Natural Resources

Definition, scope, importance, need for public awareness, Environmental Management Systems its objectives, components, EIA, Natural Resources – forest resources – use, exploitation, deforestation, construction of multipurpose dams – effect on forests, Water resources – use of surface and subsurface water; effect of floods, drought, water conflicts, Mineral resources –Use and exploitation, environmental effects of extracting and using mineral resources, Food resources – food problems, advantage and disadvantage of fertilizers & pesticides, effect on environment, Energy resources – need to develop renewable energy, land resources – Land degradation, landslides, soil erosion, desertification & case studies.

Unit II: Chemical Toxicology

Toxic chemicals in the environment, Impact of toxic chemicals on enzymes, biochemical effects of arsenic, cadmium, lead, chromium, mercury, biochemical effects of pesticides

Unit III: Environmental Pollution

Definition – Causes, pollution effects and control measures of Air, Water, Soil, Marine, Noise, Thermal, Nuclear hazards. Solid waste management: causes, effects and control measures of urban and industrial wastes, pollution measures, case studies, Disaster management: floods, earthquake, cyclone and landslides.

Unit IV: Social Issues, Human Population and the Environment

Urban problems related to energy & sustainable development, water conservation, problems related to rehabilitation – case studies, Consumerism and waste products - Environment Protection Act, Air, Water, Wildlife, Forest Conservation Act, Environmental legislation and public awareness. Population growth, variation among nations, Population explosion, Environment and human health, Value Education, Women and Child Welfare, Role of Information Technology – Visit to local polluted site /Case Studies.

Unit V: Green Chemistry

Introduction, Basic principles of green technology, concept of Atom economy, Tools of Green technology, zero waste technology.

Name of The Course	AI and its Applications			
Course Code	BCSUCT1001			
Prerequisite	NA			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	0	0	4	2
Course Objectives:				
<ul style="list-style-type: none"> Provide an overview of Artificial Intelligence and its applications 				
<ul style="list-style-type: none"> Develop the ability to understand and apply data analysis on real world data 				

	<ul style="list-style-type: none"> Provide an overview of Machine Learning
	<ul style="list-style-type: none"> Introduce the cutting edge technologies and the ethical guidelines
	Course Outcomes
CO1	Understand the basic concepts of artificial intelligence
CO2	Understand the principles of AI and its life cycle
CO3	Apply the concepts of data analysis in real world scenario
CO4	Identify the characteristics of machine learning that makes it useful to solve real-world problems
CO5	Identify applications of AI in relevant disciplines
CO6	Understand the latest trends in AI and ethical issues
Text Book (s)	
<ul style="list-style-type: none"> Norvig, Peter, and Russell, Stuart Jonathan. Artificial intelligence : a modern approach. United Kingdom, Pearson, 2016. 	
<ul style="list-style-type: none"> Bishop, Christopher M.. Pattern Recognition and Machine Learning. Switzerland, Springer New York, 2016. 	
<ul style="list-style-type: none"> Rich, Elaine. Artificial Intelligence 3E (Sie). India, Tata McGraw-Hill Publ., 2019. 	
<ul style="list-style-type: none"> Mehryar Mohri, Afshin Rostamizadeh, Ameet Talwalkar "Foundations of Machine Learning, MIT Press, 2012 	
<ul style="list-style-type: none"> Linoff, Gordon S. Data analysis using SQL and Excel. John Wiley & Sons, 2015. 	
Unit-1 Introduction to AI	
4 hours	

Introduction to Artificial Intelligence, Foundations of AI, History of AI, AI Games, Agents and Environment, Risk and Benefits of AI	
Unit-2 Principles of AI	6 hours
Knowledge Representation, Problem Solving, Searching and its Strategies, Heuristic Search, AI Project Cycle, Problem Scoping, Data Acquisition, Data Exploration, Modeling	
Unit-3 Data Analysis	6 hours
Sort, Filter, Conditional Formatting, Charts, Pivot Tables, Tables, What if Analysis, Solver, Descriptive Statistics, Correlation, Regression, Introduction to Programming Languages for AI	
Unit-4 Introduction to Machine Learning	5 hours
Introduction to Machine Learning, Types of Learning, Use of Probability and Statistics in AI, Data Mining and Analysis Techniques	
Unit-5 Applications of AI	5 hours
AI applications in Agriculture, Climate, Healthcare, Transport, Automotive Industry, Civil Engineering, Education, Robotics, Finance, Law and Legal practice, Media and Entertainment, Data Security, Tourism	
Unit-6 AI in Practice	4 hours
The advances and the latest trends in AI, Discussion on State of the Art in AI, Limits of AI, Ethics of AI, Case studies	

Evaluation Pattern

Practical ETE	Total Marks
50	50

Name of The Course	Foundation of Social Science I			
Course Code	SLE 1001			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

By the end of this course, you should have an understanding of:

- Understand the history and development of the social sciences as fields of study
- Introduce you to major concepts and frameworks of thinking relevant in the social science disciplines
- Introduce you to global applications of concepts in the social sciences and humanities
- Make connections between theories and disciplinary approaches

Reference Book (s)

1. Gordon, H.S. (1991). Chapter 1: Sociality and social science. The history and philosophy of social science (pp. 1-16) . London & New York: Routledge.
2. Porter, T., and Ross, D. Introduction: Writing the history of social science (pp. 1-12) Chatterjee, P. The social sciences in India (pp. 482-497).
3. Sedikides, C., Gaertner, L. and, O'Mara, E. (2010). Individual self, relational self, collective self: Hierarchical ordering of the tripartite self .Psychol Stud (January–March 2011), 56 (1), pp. 98–107
4. Martin Heidegger's On Being and Time
5. Gibran, K. Selections from The Prophet . On Joy and Sorrow , On Reason and Passion , On Self Knowledge
6. Oyserman, D., Elmore, K., and Smith, G. (2012). Self, self-concept, and identity, in Leary, M., and Tangney, J.P. (Eds.). Handbook of self and identity, 2nd. ed. (pp. 69-95) . New York and London: The Guilford Press.
7. Chughtai, I. (1957). Kallu . (short story)
8. Selections from Jhoothan by Omprakash Valmiki
9. Ambedkar, B.R. (1916) "Castes in India: Their Mechanism, Genesis and
10. Deshpande, A. "The Economics of Caste", Chapter 1 in The Grammar of Caste: Economic
11. Discrimination in Contemporary India by Ashwini Deshpande

Unit-1 Social Sciences: Genealogy and Terminology
Meaning of Social Sciences; Beginning of Social Science; Renaissance; Social Science in India
Unit-2The Individual: Understanding the basic building block of society
Understanding Self; Types of Self; Self Concept
Unit-3The Individual and Social Identity
Identity, Social Identity; Social Construction of Identity
Unit-5Class
Understanding Class; Marxist and Weberian Understanding of Class; Class Inequality
Unit-4Caste
Understanding Caste; The reality of caste in India; Political Economy of the Caste System; Caste discrimination and affirmative action

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Micro Economics-II
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Course Code	ECO1004			
Prerequisite	Micro Economics -I			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- Facilitate a basic understanding of economic decision making by firms
- Provide a fundamental understanding of the market structure.
- Provide a basic insight how resources are allocated to maximise the welfare.

Course Outcomes

After completing this course, students will be able to:

CO1	Apply microeconomic models to explain economic decision making by firms;
CO2	Apply the theory of market structures to real-world examples in a correct and proficient manner.
CO3	Familiarize the students with the factors that affect demand patterns of human beings at individual & market levels.
CO4	Understanding of the determination of wage, rent and profit
CO5	Familiarize the students with the factors that affect demand patterns of factor of production and determination of their reward.
CO6	Able to understand welfare related concepts of microeconomics

Text Book (s)

- Dominick Salvatore, Fifth edition, Microeconomics: Theory and Applications, Tata Mac-Graw Hill.
- Dominick Salvatore, Schaum's outlier of theory and problem of Micro Economic theory, Tata Mc-Graw hill.
- Koutsyiannis, A (1990), *Modern Microeconomics*, MacMillan.

Reference Book (s)

- Lipsey R G and Chrystal K A (1999), *Principles of Economics*, 9th Edition, Oxford University Press.
- Mansfield, E. (1997), *Microeconomics*, (9th Edition), W.W. Norton and Company, New York.
- Stonier A.W& Hague D.C (1972) *A Text Book of Economic Theory*, ELBS& Longman Group, London.

Unit-1 Forms of Market: perfect competition and monopoly
Perfect competition and pure competition—Short run and long run equilibrium Competitive firm- Short run and long run supply curves Allocative Efficiency. Monopoly: Characteristics- AR and MR curves under Monopoly-Relation among Average revenue (AR), Marginal Revenue (MR) and Elasticity of demand- Equilibrium under monopoly- major features of monopoly- index of monopoly power-
Unit-2 Price Discrimination
Price discrimination –degree of price discrimination- equilibrium under price discrimination- Is price discrimination desirable?
Unit-3 Theory of Monopolistic Competition
Monopolistic firms – nature of demand and marginal revenue, product differentiation, price output equilibrium, Concept of excess capacity, benefits of excess capacity, effect of advertising or selling cost on price elasticity of demand, optimum level of advertising
Unit-4 Theory of Oligopoly Competition
Characteristics of oligopoly- non-collusive oligopoly models of Cournot, Introduction to Game Theory: static and dynamic games; complete information and incomplete information, Prisoner’s dilemma. Collusive oligopoly – price leadership
Unit-5 Theory of factor pricing
Theory of wage - Choice between work and leisure – derivation of individual labour curve

Theory of rent-an overview of different theories of rent

Theory of supply curve – total labour supply curve – demand for labour – determination of equilibrium in a competitive labour market- collective bargaining and wage rate.

Theory of rent - Transfer earning and economic rent – quasi rent – Rent and price

Theory of profit - Gross and net profit- elements of profit- risk and uncertainty theory-Innovation theory of profit.

Unit-6 Welfare Economics

The Pareto Optimality criterion of social welfare, Derivation of grand utility possibility frontier. Concept of general equilibrium and partial equilibrium

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Macro Economics-II			
Course Code	ECO1005			
Prerequisite	Macro Economics-I			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- To make students aware of the theory of money and interest.
- To make students understand the role, importance and limitations of fiscal and monetary policy instruments.
- To train students in analysing the macroeconomic policies, related lags; and their targets, instruments and indicators.

- To make students understand IS-LM framework; general equilibrium and the impact of mix of macroeconomic policies in stabilization of economy; and the limitation in tackling macroeconomic issues.
- To train students in analysing the business cycles and using the policy framework in stabilizing the short-term fluctuations in a logical format.
- To apprise students of the application of theory to the Indian situation on such macroeconomic issues and the major macroeconomic issues faced by the policy maker.

Course Outcomes

After completing this course, students will be able to:

CO1	Students would be aware of the challenges in analysing the main issues of macro-economy
CO2	Students would understand the fundamentals of working of macroeconomic policies in controlling business cycles.
CO3	Students would gain insight of the basic analytical structure of these complex issues of macroeconomic nature related to open economy.
CO4	Students would be able to appreciate the role of fiscal and monetary policies and the limitation there of in tackling these issues.
CO5	Learn the relevance of application of policy instruments in tackling the issues relating to international trade and stabilization of macro economy
CO6	Able to understand exchange rate system

Text Book (s)

- R. Dornbusch, S. Fischer & R. Startz (2012), Macroeconomics, Tenth Edition, Mc Graw Hill
- D N Dwivedi (2013), Macroeconomics, 3rd Edition, Mc Graw Hill

Reference Book (s)/Papers

- Challenges of Effective Monetary Policy in Emerging Economies;
- The Velocity Crowding-out Impact: Why high money growth is not always inflationary.?’
- An Empirical Analysis of Monetary and Fiscal Policy Interaction in India;
- Monetary Policy Transmission in India: A Peep Inside the Black Box;
- Estimating Impacts of Monetary Policy on Aggregate Demand in India
- India’s Potential Output Revisited

Unit-1 Demand and Supply of Money

Quantitative theory of Money: Fishers Equation; Neo-Classical Theory of Money: Cambridge Equation; Liquidity Preference Theory; Liquidity Trap; Supply of Money, Functions of Money.

Unit-2 Macroeconomic Policy
Monetary Policy – Objectives and Tools; Fiscal Policy – Objective and Tools; Fiscal Policy Multiplier(s); How Monetary and Fiscal Policy Influences Aggregate Demand, Policy Mix in action; Monetary Transmission Mechanism: Monetary Policy and AS-AD model; Lags in the effect of Policy; Targets, Instruments and Indicators – A Taxonomy;
Unit-3 General Equilibrium
Equilibrium on product market (IS Curve); Equilibrium in Money Market (LM Curve); IS – LM Model (Simultaneous Equilibrium in Goods Market and Money Market); Monetary Policy and LM Curve; Fiscal Policy and IS Curve, Crowding out Effect; Effectiveness of Monetary and Fiscal policies under different situations in terms of IS-LM framework.
Unit-4 Business Cycles and Advanced macroeconomics
Nature and characteristics; Phases of Business Cycle; Types of Business Cycle; Key Facts about Economic Fluctuations; Policy measures to control Business Cycles; Rational Expectations and New Classical Economics; Real Business Cycles
Unit-5 Exchange rate system and
Foreign Exchange Market: Fixed Vs Floating exchange rate; Determination of Exchange rate under fixed and flexible exchange rate; Purchasing Power Parity, Concepts: Depreciation, Devaluation; J-Curve effect
Unit-6 Balance of payments
Meaning and Structure of Balance of Payments – (Current account and Capital Account); Balance of Payments Disequilibrium and its consequences; Open Economy Multiplier

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Statistics – II			
Course Code	ECO1006			
Prerequisite	Statistics – I			
Co requisite				
Ant requisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- Apply concepts of probability.
- To prepare students to know how to calculate probabilities based of theoretical construct of distributions
- To prepare students to know how to calculate, present, and discuss sampling distributions
- Explain and established the fundamental principles necessary for hypothesis testing

Course Outcomes

After completing this course, students will be able to:

CO1	Able to construct an understanding of Probability
CO2	Able to identify fundamental distributions
CO3	Able to estimate and demonstrate sampling distributions
CO4	Able to calculate, established univariate and multivariate hypothesis testing.
CO5	Able to understand sampling
CO6	Able to understand the concept of hypothesis

Text Book (s)

- Doane and Seward (2010), "Applied Statistics in Business and Economics", McGraw Hill.
- Naval Bajpai (2011), "Business Statistics" Pearson.
- Jaggia and Kelly (2013), "Business Statistics: Communicating with Numbers" McGraw Hill Education, New Delhi.

- Aggarwal, B.M. (2009), “Statistics for Business and Economics”, 2nd Edition, Ilex Publication, New Delhi.

Reference Book (s)

- Derek L. Waller, “Statistics for Business”, Routledge, Taylor and Francis.
- David R Anderson, Dennis J Sweeney and Thomas A Williams : Statistics for Business and Economics, 11th Edition, Cengage Learning India.
- S C Gupta and V K Kapoor, "Mathematical Statistics", S Chand.

Unit-1 Probability and Distributions
Elementary Probability Theory: Sample Spaces and events. Counting Rules - Fundamental rules, Factorials, Permutations, and Combinations. Probability: Definition, Rules - Complement, Odds, Union, Intersection, Addition, Exclusive, Exhaustive and Conditional. Independent and Dependent Events. Contingency Table - Marginal, Joint, Conditional Probabilities, Independence and Relative Frequency. Baye's Theorem - Introduction and General Form.
Unit-2 Theoretical Distributions
Discrete Distributions - Random Variable, probability Distribution and Expected Values. Uniform Distribution - Characteristics, Uniform Random Integers and Uniform Model. Binomial Distribution - Characteristics, Shape, Binomial Probabilities, and Applications. Poisson Distribution - Process, Characteristics, Probabilities, and Application. Continuous Probability Distributions - Continuous Variables, PDFs and CDFs, Probabilities as Areas, Expected Value and Variance. Uniform Continuous Distribution - Characteristics, Case and Model. Normal Distribution - Characteristics and Empirical Rules. Standard Normal Distribution - Characteristics, Normal Areas, Basics for Empirical Rules, and finding z score.
Unit-3 Sampling Distributions and Estimation
Sampling Variation, Estimators and Sampling Distributions, Sample Mean and the Central Limit Theorem, Confidence Interval for a Mean with known and unknown population variance, Confidence Interval for a Proportion, Confidence Interval for the difference of two Means and Proportions, and Confidence Intervals for a Population Variance.
Unit-4 Hypothesis Testing and Inferences
Hypothesis Testing: Null and Alternative Hypothesis, Type I and Type II Error. Statistical Inference: One sample t, z and χ^2 test; Two independent sample t, z and χ^2 test; Two dependent sample t test; F-test and ANOVA – one way and two way
Current Issues: SPSS - its introduction and application

Continuous Assessment Pattern

Internal Assessment	Mid Term Test	End Term Test	Total Marks
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(IA)	(MTE)	(ETE)	
20	30	50	100

Name of The Course	Mathematics for Economics			
Course Code	ECO1007			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- To understand the meaning of Mathematics for Economics and their basic properties.
- To understand the operation of matrix algebra.
- To understand the derivative and integration in Economics.
- To understand the characteristics of Exponential and Logarithm function
- To understand the application of mathematics in economic analysis

Course Outcomes

After completing this course, students will be able to:

CO1	Students will able to understand the meaning of Mathematics for Economics and their basic properties
CO2	Able to understand the operation of matrix algebra.
CO3	Able to understand the derivative and integration in Economics.
CO4	Able to understand the characteristics of Exponential and Logarithm function
CO5	Able to understand the application of mathematics in economic analysis
CO6	Able to understand Optimization with equality constraints

Text Book (s)

- Frank S Budnick (2010), “Applied Mathematics for Business, Economics and the Social Sciences” TATA McGraw Hill.
- Sydsaeter, Hammond (2009), “Mathematics for Economic Analysis”, Pearson Education

Reference Book (s)

- Chiang, A. C., & Wainwright, K. (1984). Fundamental methods of mathematical economics. MacGraw-Hill. International (3rd Edition).

Unit-1 Introduction
Economic Models, Number System, equations and functions, progressions, types of function, Functions and Curves in Economics: Budget Line, Utility, Demand, Supply Functions, Demand Supply Equilibrium, Cost, Revenue, Profit, and Production Functions and Break Even Analysis, Homogeneous, Heterogeneous and Homothetic Functions
Unit-2 Matrix Algebra
Matrix operations, commutative, associative and distributive laws, Identity matrices and null matrices, Transpose and Inverses, conditions for non-singularity of a matrix, Determinants, basic properties of determinants, finding the inverse matrix, Cramer rule
Unit-3 Calculus
Limits: Properties and Continuity, Process and Rules of Differentiation, Derivatives and Partial and Total Derivatives, maxima and minima, Application of Derivatives in Economics, integration or anti derivatives, rules of integration, Definite and Indefinite Integrals, application of integration in economics
Unit-4 Exponential and Logarithm function
Nature of Exponential functions, natural exponential functions and the problem of growth, logarithms and logarithmic functions, derivatives of exponential and logarithmic functions, Applications of exponential and logarithmic derivatives
Unit-5 Optimization with equality constraints
Finding the Stationary Values- Lagrange multiplier method, total differential approach, Utility maximization and consumer demand- first and second order conditions, Homogenous Function- Liner homogeneity, Cobb-Douglas production function

Continuous Assessment Pattern

Internal Assessment	Mid Term Test	End Term Test	Total Marks
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(IA)	(MTE)	(ETE)	
20	30	50	100

Name of The Course	Professional Communication BEC2			
Course Code	BLLUCT1002			
Prerequisite	Understanding of the basics of English language, pronunciation and technical as well as academic writing			
Corequisite				
Antirequisite				
	L	T	P	C
	2	0	0	2

Course Objectives:

The objective of the course is to:

- Understand simple texts and a range of high frequency vocabulary in context
- Describe aspects of personal and everyday life in both oral and written form
- Produce short and simple connected texts on familiar topics
- Basic understanding into pronunciation of English sounds

Course Outcomes:

On the successful completion of the course, the student would be able to:

- Develop the understanding into the communication and language as its medium
- Develop the basic understanding of spoken English
- Improve their reading fluency skills through extensive reading
- Use and assess information from academic sources, distinguishing between main ideas and details
- Compare and use a range official support through formal and informal writings
- Able to understand instructions, requests and class lectures.

Additional References

- Course Title: **Communication Skills** by Dr. T. Ravichandran, Department of Humanities and Social Sciences (NPTEL)
https://www.youtube.com/watch?v=cQruENyLNYI&list=PLbMVogVj5nJSZB8BV29_sPwwkzMTYXpaH
- Course Title: **English Language for Competitive Examinations** By Prof. Aysha Iqbal (NPTEL)
- <https://www.youtube.com/watch?v=6xFaxIwwq0s&list=PLqGm0yRYwTjSdCmTeXLJLJkHXmC6CbEw>
- Course Title: **Better Spoken English** by Prof. Shreesh Chaudhary, Department of Humanities and Social Sciences, IIT Madras. (NPTEL)
 - <https://www.youtube.com/watch?v=0AM35Nu5McY&list=PLbMVogVj5nJT3a24lj4KO kQCOElxcDQrs>
- Course Title: **Understanding Creativity and Creative Writing** by Prof. Neelima Talwar (NPTEL)
 - <http://www.digimat.in/nptel/courses/video/109101017/L01.html>

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Unit-1
Advanced Grammar- Misplaced modifiers, Redundancies, idioms and phrases, parallelism
Unit-2
Use of phrases and clauses in sentences, Identifying Common Errors in Writing.
Sentence Analysis
Unit-3
Essay Writing
Writing for print and for online media- Blogs
Unit-4

Project Proposals Writing Reports - Progress Reports, Types Manuals
Unit-5
Etiquettes in social and office settings- email, telephone
Unit-6
Job Application Resume/CV

Name of The Course	Foundation of Social Science II			
Course Code	SLE 1002			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

By the end of this course, you should have an understanding of:

- Understand the history and development of the social sciences as fields of study
- Introduce you to major concepts and frameworks of thinking relevant in the social science disciplines
- Introduce you to global applications of concepts in the social sciences and humanities
- Make connections between theories and disciplinary approaches

Course Outcomes

After completing this course, students will be able to:

CO1	Define the issues related to racial and ethnic discrimination. (K1)
CO2	Explain the concept of Gender and Sexual Equality. (K2)
CO3	Identify the role played by Communalism in society. (K3)
CO4	Inspect the concept of nation, nationalism and patriotism. (K4)
CO5	Explain the ideas related to colonialism, Decolonisation and Postcolonialism. (K5)
CO6	Evaluate the impact of Globalisation and Neoliberalism. (K5)

Reference Book (s)

- Diego Junior da Silva Santos, Nathália Barbosa Palomares, David Normando, Cátia Cardoso Abdo Quintão, Race versus ethnicity: Differing for better application (4 page article)
- “Still I Rise” by Maya Angelou
- “What is Woman” in ‘The Politics Book’, London: DK Publishers, pp. 284-289
- “The most respectable women are the most oppressed” (Mary Wollstonecraft) in ‘The Politics Book’, London: DK Publishers, pp. 154-155
- hooks, bell. (2000). Feminism is for everybody. Introduction, Chapters 1, 2, 3, 8, 10
- Hasan, Z. (2010). Gender and the perils of identity politics in India.
- Narrain, Arvind (2016), “Human Rights”, Arvind Narrain and Vinay Chandran (ed.) Nothing to fix: Medicalization of Sexual Orientation and Gender Identity, India: Sage
- Chandra, Bipin (2008), Communalism: A primer, New Delhi: National Book Trust
- Horvath, Ronald J. 1972. “A Definition of Colonialism,” Current Anthropology, vol. 13, pp. 45–57
- Young. Robert. J.C. (2016), Postcolonialism: A Historical Introduction, UK: Wiley Blackwell, pp. 57-69
- Roberto Bonfatti’s Decolonization: the Role of Changing World Factor Endowments
- Anderson. Benedict. Imagined Identities, pp
- Barrington. Lowell. W. "Nation and Nationalism": The Misuse of Key Concepts in Political Science
- Understanding Globalization and its Future: An Analysis by Usman Riaz Mir, SyedaMahnaz Hassan and Mubashir Majeed
- NEOLIBERALISM by Bob Jessop

Unit-1 Race and Ethnicity
Concept of Race, Ethnicity; Differences between Race and Ethnicity; Racial Discrimination
Unit-2 Gender, Feminism, and Patriarchy, Gendered Identities
The Concept of Sex and Gender; Sexual Identities; Gender Inequality; Masculinity & Femininity
Unit-3 Communalism, Nation, Nationalism and Patriotism
Communalism, Causes and Consequences of Communalism; Idea of Nation, Nationalism and

Patriotism; Differences among them.
Unit-4 Colonisation and Postcolonialism; Decolonisation; Subaltern
Understanding the process of colonialism; Decolonisation; Understanding Postcolonialism and the concept of subaltern
Unit-5 Globalisation and Neoliberalism
The Concept of Globalisation; Critical approach to Globalisation; Understanding Neoliberalism
Unit-6 Current trends in Social Science
Application of Social science: knowledge to practice, Policies to promote sustainability and Multicultural perspectives, an accurate picture of all the different groups that comprise pluralistic society.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Growth and Development Economics			
Course Code	ECO2007			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4			4

Course Objectives:

- To explore the basic concepts related to growth and development
- To facilitate an understanding of the meaning and concept of growth models and development theories;

- To get an idea of the factors promoting economic development
- To understand the importance of industries for development
- To explore the importance of technology for economic development

Course Outcomes

After completing this course, students will be able to:

CO1	Acquire a basic understanding about the meaning of growth and development;
CO2	Able to understand the theoretical prospective of growth theories.
CO3	Understand and distinguish among different theories of development;
CO4	Understand the characteristic of various sectors those are important for economic development
CO5	Understand the role of resources for economic development
CO6	Understand the strategies of trade on development

Text Book (s)

- 1. Adelman, I. (1961), Theories of Economic Growth and Development, Stanford University Press, Stanford.
- 2. Behrman, S. and T.N. Srinivasan (1995), Handbook of Development Economics, Vol. 1 to 3, Elsevier, Amsterdam
- 3. Ghatak, S. (1986), An Introduction to Development Economics, Allen and Unwin, London.
- 4. Higgins, B. (1959), Economic Development, Norton, New York.
- Dreze, Jean and Amartya Sen (2013), An Uncertain Glory: India and its Contradiction, Allen Lane.
- 6. Ray, Debraj (2009), Development Economics, Oxford University Press.
- 8. Partha Dasgupta (2007), Economics: A Very Short Introduction, Oxford University Press.
- 9. Somashekar, N.T. (2007), "Development Economics", New Age International Publishers

Reference Book (s)

- Kindleberger, C.P. (1977), Economic Development, 3rd edition, McGraw Hill, New York.
- Hendrik Van den Berg (2001), Economic Growth and Development, 3rd edition McGraw Hill, New York.

Unit-1 Economic Development and Growth	8 hours
Characteristics of developing countries, Factors affecting Economic growth:-Economic and non-economic factors, Measurement of Economic Development:-national income, per-capita income, per capita level of consumption, economic welfare, Income inequality and its causes, measurement of income inequalities:- Lorenz Curve and Gini Coefficient	
Unit-2 Theories & Approaches to Economic Development	
Theories of Economic development:- Adam Smith, David Ricardo, T. R. Malthus and Karl Marx, Critical minimum effort thesis, Big push, balance growth and unbalance growth	
Unit-3 Modern theories of Economic growth	
Harrod - Domar growth model, Rostow's stages of Economic growth, Mrs. Joan Robinson's growth model, Solow growth model	
Unit -4 Sectorial View of Development	
Role of agriculture in economic development ; Efficiency and productivity in agriculture, Rationale and pattern of industrialisation in developing economies. The choice of technique appropriate technology and employment; Small scale vs. Large scale production, Infrastructure and its importance in development.	
Unit-5 Resources and Economic development	
Natural resources, Macro Economic Policy and Economic Development. Population, institutions and development	
Unit-6 Recent development on Growth and Development Economics	
Trade strategies for development, International relation and development strategies, Development scenario after COVID-19	

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Mathematical Economics			
Course Code	ECO2001			
Prerequisite	Mathematics for Economics, Micro Economics			
Corequisite				
Antirequisite	Econometrics			
	L	T	P	C
	4	0	0	4

Course Objectives:

The Objectives of the course are:

- Familiarize the students with the factors that affect demand patterns of human beings at individual & market levels.
- Acquaint with the concept of production and Market efficiencies.
- Provide a understanding of consumer and producer preferences in consumption and production.
- Provide the concept of cost in short run and long run for firms.
- Apply microeconomic models to explain economic decision making by firms;
- Apply the theory of market structures to real-world examples in a correct and proficient manner.

Course Outcomes

On the successful completion of the course, the student would be able to -

CO1	determine the factors that affect demand patterns of human beings at individual & market levels.
CO2	deal with the concept of production and Market efficiencies.
CO3	Provide a understanding of consumer and producer preferences in consumption and production.
CO4	Provide the concept of cost in short run and long run for firms.
CO5	Apply microeconomic models to explain economic decision making by firms;

CO6	Apply the theory of market structures to real-world examples in a correct and proficient manner.
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Text Book (s)

- Frank S Budnick (2010), “**Applied Mathematics for Business, Economics and the Social Sciences**” TATA McGraw Hill.
- Sydsaeter, Hammond (2009), “**Mathematics for Economic Analysis**”, Pearson Education.
- Black, J. and J.F. Bradley (1973), *Essential Mathematics for Economists*, John Wiley and Sons.
- Chiang, A.C. (1986), *Fundamental Methods of Mathematical Economics* (3rd Edition), McGraw Hill, New Delhi.

Reference Book (s)

- Henderson and Quant (1981), “**Micro Economic Theory – A Mathematical Approach**” TATA McGraw Hill.
- B C Mehta (1987), “**Mathematical Economics: Micro Economic Models**” S C Chand, Delhi.

Unit: 1 Scope of Mathematical Economics
Scope and nature of mathematical economics, economic theories and models, derivatives
Unit-2 Theory of Consumer Behaviour
Utility Function: Indifference Curves, Maximisation of Utility – first and second order conditions. Demand Functions: Ordinary Demand Function, Compensated Demand Function, Demand Curves, and Elasticity of Demand. Income and Leisure
Unit-3 Topics in Consumer Behaviour
Linear Expenditure System, Separable and Additive Utility Functions, Homogeneous and Homothetic Utility Functions, Indirect Utility Functions, Duality Theorems. The Theory of Revealed Preference and Consumer Surplus.
Unit-4 The Theory of Firms

The Production Function, Product Curves, and Isoquants.

Optimizing Behavior, Constrained Output Maximization, Constrained Cost Minimization, Profit Maximization.

Input Demands, Short and Long Run Cost Functions and Profit Maximization.

Unit-5 Topics in the Theory of Firms

Homogeneous Production Functions: Properties, Euler's Theorem.

CES Production Functions: Properties, Isoquants, The Equilibrium Condition, Generalized CES Production Function.

Unit-6 Topics in the Theory of Firms

Market Equilibrium: Demand Functions, Supply Functions and Commodity Market Equilibrium under Perfect Competition.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Monetary Economics			
Course Code	ECO2003			
Prerequisite	Basic of economic and financial concepts			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- To make student comprehend the role of money and functions of money in the economy
- To make students familiar with the major issues relevant to banking system in the economy
- To make students familiar with the key emanates of price level in the economy.
- To explain the framework of analysis of the issues related to monetary system.
- To apprise the students of the importance and rationale of mutual cooperation among different institution in the monetary system.
- To make student aware of the major issues and innovations in banking and non-banking sector.

Course Outcomes

After completing this course, students will be able to:

CO1	Able to understand about money and related concepts.
CO2	Able to familiar with the major issues relevant to banking system in the economy.
CO3	Able to Examine money market, its working and important role it plays in economy.
CO4	Able to gain insight of how banking and non-banking system in the economy work.
CO5	Able to understand the importance and rationale of mutual cooperation among different institution in the monetary.
CO6	Able to understand Non-Banking Financial Institutions

Text Book (s)

- Mishkin, Frederic, The Economics of Money, Banking, and Financial Markets, 10th Edition, Addison-Wesley
- Bharti Pathak, Indian Financial System, Pearson Publication

Reference Book (s)

- Bhole, L.M. (2009), Indian Financial System, TATA McGraw Hill.

Unit-1 Basic Concepts; Price Indices and Inflation

Money-Meaning, Functions, Classification; Money and Near-Money, Gresham's law; Role of money in capitalist, socialist and mixed economies; Monetary standards-Metallic and paper systems of note issue

Measurement of Inflation: Consumer and Producers/Wholesale Price Index, GDP deflator; Types of Inflation; Effects of Inflation.

Unit-2 Supply of Money and Money Market

High powered money and money multiplier, Components of supply of money. Money market-Meaning, Functions of money market; Role and structure; Money market instruments- call money; treasury bills, certificates of deposits, commercial bills, commercial papers.

Unit-3 Central Banking

Functions of a Central bank; Objectives of Central Bank, Quantitative and qualitative methods of credit control — bank rate policy, open market operations, variable reserve ratio and selective methods; Role and functions of the Reserve Bank of India; Objectives and limitations of monetary policy with special reference to India.

Unit-4 Commercial Banking Institutions

Meaning and types; Functions of commercial banks; The process of credit creation — Purpose and limitations; Liabilities and assets of banks; Evolution of commercial banking in India after Independence; A critical appraisal of the progress of commercial banking after nationalization; Recent reforms in banking sector in India.

Unit-5 Non-Banking Financial Institutions

Types, Role of non-banking financial institutions; Functions of non-banking financial institutions.

Unit-6 Recent Development

New RBI Guideline, Cryptocurrencies

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Environmental Economics			
Course Code	ECO2005			
Prerequisite	None			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- To explore the Ecology and Economy: Inter-linkages
- To analyse the impact of environment on economic activities and appearance of fundamental problems of any State.
- To analyze the rights of use of environmental properties and its policy framework of government
- To understand the evaluation methods of environmental resources

Course Outcomes

After completing this course, students will be able to:

CO1	Able to understand Ecology and Economy: Inter-linkages
CO2	Relate environmental issues with economics
CO3	Explore the legal framework of use of natural resources
CO4	Understand policy issues and their implications
CO5	Understand environment valuation and accounting.
CO6	Understand the recent development on green infrastructure

Text Book (s)

- Barry C Field and Martha K Field (2006), “Environmental Economics: An Introduction”, McGraw-Hill Publication
- Kolstad, C (2010), “Intermediate Environmental Economics”, Oxford University Press, 2nd edition.

Reference Book (s)

- Stavins, Robert N. (2005), “Economics of the Environment: Selected Readings”, W.W. Norton, 5th edition.

Unit-1 Ecology and Economy: Inter-linkages and Market Failure

Role of environment in the economy; development and environment; technology and environment; poverty and environment. Concept of public bads; externalities and inefficiency; externalities and missing markets; externalities and property rights; non-convexities and property rights: instruments to deal with externalities; Pigouvian taxes; Coase theorem

Unit-2 Common Property Resources and Environmental Policy

Concept of property rights; local commons; global commons; open access; joint forest management; Legal environmental framework in India; Command and control policy; market-based instrument; double dividend; enforcement issues; informal regulation; corporate social responsibilities

Unit-3 Environmental Valuation and Accounting

Value of environment: use, non-use and option values; valuation methods – methods based on observed markets and hypothetical markets: shadow prices, travel cost, production function, contingent valuation; Hedonic pricing.

Unit-4:- Environmental Capital

Concept of environmental capital and its depreciation; Concept of environmentally corrected GDP; Integrated environmental and economic accounting

Unit-5 Sustainable Development and Global Environmental Issues

Kuznets Curve; empirical studies on Kuznets curve; ecological footprint; carrying capacity. Biodiversity; global warming; international cooperation; multilateral agreements; Kyoto protocol; carbon trading

Unit-6 Economics of Green Infrastructure

The Growing Use of Green Infrastructure, Green Infrastructure in Practice, The Economic Development Potential of Green Infrastructure Investment

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Foreign Language: French-I			
Course Code	BLEUCT1001			
Prerequisite	NA			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	2	0	0	2

Course Objectives:

- Develop the four skills: reading writing, listening and speaking
- Develop communicative competence in daily life situations such as the introducing themselves, introducing others describing a person or an object

- 3. Make the student aware of the French culture with a view to promote respect and tolerance for the "other".

Course Outcomes

After completing this course, students will be able to:

CO1	Will have a working knowledge of French
CO2	Will have acquired sufficient vocabulary and basic communication skills in situation in daily life such as the introducing themselves, introducing others describing a person or an object
CO3	Will be able to read and understand simple texts.
CO4	Will be able to write simple sentences or short texts.
CO5	Will be able to answer simple questions about themselves, the classroom their family..
CO6	Write short paragraphs in French

Text Book (s)

- M. Denyer, A. Garmendia, C. Royer, Marie-Laure Lions-Olivieri, Version Originale 1 (A1) Livre de l'élève. Paris: Maison des Langues, 2009 unit-1-4.
- M. Denyer, A. Garmendia, C. Royer, Marie-Laure Lions-Olivieri, Version Originale 1 (A1) Cahier d'exercices. Paris: Maison des Langues, 2009 unit-1-4

Reference Book (s)

- Alter Ego 1- méthode de français, Annie Berthet, Catherine Hugot, V. Kizirian, Béatrix , Sampsonis, Monique Waendendries, Hachette.

Course Outline

Unité-1 Parlez-vous Français?
1. Saluer 2. Se présenter 3. Communiquer en classe 4. Épeler 5. Différencier le tutoiement du vouvoiement
Unité-2 Elle s'appelle Laura
1. Se présenter ou présenter quelqu'un 2. Demander et donner des renseignements personnels 3. Exprimer des objectifs 4. Compter 5. Se renseigner sur la nationalité
Unité-3 Mon quartier est un monde
1. Localiser 2. Décrire et qualifier une ville ou un quartier 3. Exprimer la quantité
Unité-4 Tes amis sont mes amis
1. Parler de ses goûts 2. Parler de ses intérêts

3. Parler de ses loisirs
Unité-5 Tes amis sont mes amis
1. Parler de la première impression produite par quelqu'un et de son caractère 2. Parler de son entourage

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Indian Economy			
Course Code	ECO2008			
Prerequisite	None			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- Acquire a basic understanding about the problems of the Indian Economy.
- Understand the various achievements of the Indian Economy over a period of time.
- Familiarization with the various resources and potential of the Indian Economy
- Understand the short run and long run peculiarities of the Economy of the India.
- familiarize students with different problem like unemployment, poverty of the economy and its different sectors
- Familiarize the students with the factors responsible for poverty, unemployment and how these lead to low development of economy.

Course Outcomes

After completing this course, students will be able to:

CO1	Explain how to explain root causes and nature of various economic problem of India.
CO2	Explain how to New Economic policy Impact the Industrial sector of the economy.
CO3	Explain the historical reasons behind different economic problem of Indian economy.
CO4	Estimate and interpretation the rationale behind the policy of five-year plan and its impact on national development.
CO5	Able to understand “real world” problems those are frequently encountered by government, state government and policy makers.
CO6	Able to understand planning scenario of India

Text Book (s)

- Misra and Puri (recent edition), Indian Economy- Himalaya Publishing House, Mumbai.
- Kaushik Basu, 2012, editor, The New Oxford Companion to Economics, Oxford University Press.

Reference Book (s)/Papers

- Dhingra I.C (recent edition), Indian Economy, Sultan Chand & Co., New Delhi.
- A.N. Agrawal (recent edition), Indian Economy, New Age International Ltd., New Delhi. 3) Dutt R and Sundharam KPM (recent edition), Indian Economy, S. Chand & Co., New Delhi

Unit-1 Concept of development—An Overview
Basic Characteristics of Under-developing economies and developing economies in Context of Indian economy
Unit-2 Infrastructural Issues
Sources of energy in India-coal, oil, gas & atomic energy; Transport system in India-Railways, Road Transport, Water Transport, Air Transport; Communications
Unit-3 Demographic Features, Industrial growth in India:
Population—size, structure (sex and age) – characteristics –population change – rural–urban migrations, occupational distribution, problems of over population,
Unit-4 Industrial Issues
Industrial development during the planning period; Industrial policy of 1991; Industrial licensing policy — MRTP Act, patterns and trends of industrial growth; Cottage and small industries; Public and Private industries; SEZ (Special economic zones)
Unit-5 Planning in India
Objectives- Strategy, Achievements and Failures, current Five Year Plan, New Economic Reforms and the rationale behind economic reforms – Liberalization, Privatization and Globalization –

Structural Adjustment Programmes
Unit-6 Recent development
Growth; Productivity agrarian structure and technology Capital formation, trade, pricing and Procurement.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Research Methodology			
Course Code	ECO2002			
Prerequisite	Statistics – I and II			
Corequisite				
Antirequisite	Econometrics			
	L	T	P	C
	4	0	0	4

Course Objectives:

The Objectives of the course are:

- To develop basic understanding of the research framework and concepts.
- To Describe quantitative and qualitative methods to research
- To develop an understanding of various tools and techniques of research.
- To identify various sources and methods of data collection.
- To developed the skill of data analysis through statistical software
- Appreciate the components of scholarly writing and evaluate its quality.

Course Outcomes

On the successful completion of the course, the student would be able to -

CO1	Construct a research problem from relevant literature
CO2	Identify relevant variables
CO3	Design a research study and Create hypotheses
CO4	Select and apply appropriate data analysis methods
CO5	Skilled with excel and SPSS to estimate and make relation among the variables
CO6	Write a research report

Text Book (s)

- Stewart, F. (1979); Reasoning and Method in Economics, McGraw-Hill Book Co., London.
- Goode, William J. And Hatt, P.K.,(2006) “*Methods in Social Research*”, McGraw Hill Publications
- Cooper, Donald R and Schindle, Pamela S (2006), “Business Research Methods”, McGraw-Hill Book Education Pvt. Ltd. New Delhi
- Zikmond, W.G, Babin B.J, Carr, J.C, Adhikari, A and Griffin M (2013), “Business Research Methods”, CENGAGE Learning Publication
- Carver, R.H and Nash, J.G (2009), “Data Analysis with SPSS”, CENGAGE Learning Publication

Reference Book (s)

- Kothari, C.R. and Garg, Gaurav (2015), “*Research Methodology*”, New Age Publications.
- Neuman, W. Lawrence,(2011) “Social *Research Methods*”, *Library of Congress* Cataloguing-in- Publication Data
- Bell, J. (1993) “*Doing your research project: a guide for first-time researchers in Education and Social Science*”, Buckingham, UK: The Open University

Unit-1 Introduction and types of Research

Meaning and definition of research – criteria for good academic research – objectives of research –

difficulties in social research;

Types of Research, Research design

Unit-2 Selection of research problem, Sampling, and Data Collection

Steps involved in selection of research problem – evaluation of the problem – literature review – sources of literatures, Types of sampling –Probability and Non-probability.

Measurement of scale and scale of measurement-

Data Collection: Primary and secondary data, sources, questionnaire and schedule

Sampling: Meaning and importance. Steps in data processing – editing- coding- classification – transcription.

Reliability, Validity and Sensitivity

Unit-3 Introduction and data analysis through SPSS

Introduction of SPSS :- data entry and data cleaning variable view and data view, data import, table and graphs (one variable and two variable), Descriptive analysis of data- Frequencies, Descriptive, Explore, Crosstabs

Unit-4 Hypothesis Testing through SPSS

Statistical tests-One sample t, z and chi square test; Two independent sample t, z and chi square test; Two independent sample t test, F test and ANOVA- one way and two way, Linear correlation and Regression, Multiple regression

Unit-5 Report Writing

Description of various research tools, test: inference and conclusion. Report Writing: Types of report – planning of report writing – format of research report – reference styles.

Unit-6 Recent Development

Big Data, Artificial Intelligence and Plagiarism

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Public Finance			
Course Code	ECO2004			
Prerequisite	Basic understanding of financial concepts			
Corequisite				
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- To acquaint students with the basic understanding of the function of Financial markets.
- To acquaint students with an overview of the functioning of organizations.
- To acquaint students with public expenditure and taxes.
- To acquaint students with Indian taxation system.
- To acquaint students with public debt system.
- To acquaint students with budget system.

Course Outcomes

After completing this course, students will be able to:

CO1	Able to understand the role and functioning of public finance.
CO2	Able to predict the impact of public expenditure and taxes.
CO3	Able to articulate the structure and impact of Indian taxation system.
CO4	Able to Understand and apply various tools and techniques to manage public debt.
CO5	Able to evaluate the formation of budget and its impact.
CO6	Able to analyse recent scenario of government budgeting

Text Book (s)

- Joseph E. Stiglitz, Economics of the Public Sector, W.W. Norton & Company, 3rd edition, 2000.
- R.A. Musgrave and P.B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publications, 5th edition, 1989.
- John Cullis and Philip Jones, Public Finance and Public Choice, Oxford University Press, 1st edition, 1998.
- Bhargavre, P.K. (1984) some Aspects of Indian Public Finance, Uppal Publishing House New

Delhi.

- Musgrave and Musgrave, (1989) Public Finance in Theory and Practice Mc Graw- Hill International Edition.

Reference Book (s)

- Harvey Rosen, Public Finance, McGraw Hill Publications, 7th edition, 2005.
- Mahesh Purohit, Value Added Tax: Experiences of India and Other Countries, 2007.
- Kaushik Basu and A. Maertens (ed.), The Oxford Companion to Economics in India, Oxford University Press, 2007.
- M.M. Sury, Government Budgeting in India, 1990.
- Report of the Finance Commission (Latest).
- Economic Survey, Government of India (Latest).
- State Finances: A Study of Budgets, Reserve Bank of India (Latest).

Unit-1 Introduction Public Finance
Meaning, Nature, Scope and Importance of Public Finance, Private Finance and Public Finance, Principle of Maximum Social Advantage
Unit-2 Public Expenditure
Meaning and Principle of Public Expenditure, Classification of Public Expenditure, Trends in Public Expenditure, Causes of Growth of Public Expenditure, Effects of Public Expenditure
Unit-3 Public Revenue
Source of Public Revenue, Objectives of Taxation, Concepts-Canons of taxation, Impact of Tax, incidence of Tax, Shifting of Tax and Taxable capacity, Indian Tax Structure- Classification of Taxes, Features & Defects of Indian Tax System.
Unit-4 Public Debt
Meaning and Types of Public Debt, Sources of internal and external Public Debt, Effects of Public Debt, Methods of Repayment
Unit-5 Budget and Deficit financing
Meaning, Revenue and Capital Budget, Surplus, Deficit and Balance Budget, Preparation of Indian Central Budget, Concept of Deficit - Revenue, Fiscal, Primary, Gender Budget- Meaning, Objectives and Causes Deficit finance since 1991, Effects of deficit Financing
Unit-6 Recent Development
Latest Budget, Package for Covid-19

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Economics of Health and Education			
Course Code	ECO2006			
Prerequisite	Knowledge of Micro and Macro Economics			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- To provide an insight of economics of education and Health.
- To understand the importance of economics of education for development of economy.
- To show a high degree of independence in setting up problems and analyse health economics issues.
- To be able to account relevant scientific and policy aspects; - be able to critically make assessments of different ways of communication between health economic researchers and policy-makers.

Course Outcomes

CO1	The students will learn the role of health and education in human development
CO2	They will be able to apply economic theory to understand the demand for health care, market failure in health insurance, economic evaluation of health care programmes and the role of public policy in the healthcare industry.
CO3	They will also learn to analyse the returns to education, its role in labour market signalling, and the progress of schooling in India.
CO4	They will also be exposed to the theories of discrimination.
CO5	Able to understand the economics of education
CO6	Able to understand the economics of education

Text Book (s)

- Bhattacharya, J., Hyde, T., Tu, P. (2014). Health economics, Palgrave Macmillan
- Ehrenberg, R., Smith, R. (2012). Modern labor economics: Theory and public policy, 11th ed. Addison Wesley.

Reference Book (s)

- World Health Organisation (2013). The economics of the social determinants of health and health inequalities: A resource book. World Health Organisation.

Unit-1 Introduction
Role of health and education in human development: health and education outcomes and their relationship with macroeconomic performance
Unit-2 Health Demand
Topics in health economic theory: demand for health, Grossman's model of demand for health, information asymmetry in healthcare demand, and the health insurance market, physician induced demand, adverse selection and moral hazard in health insurance.
Unit-3 Economics of Health
Economic evaluation of health care: cost effectiveness and cost-benefit analysis; valuing life. Public policy in the health sector; externalities in health and health care; rationale for government intervention in the health sector. Health Sector in India: An Overview Health outcomes; health systems; health financing. Burden of disease.
Unit-4 Economics of Education
Education: investment in human capital; rate of return to education: private and social; quality of education; signalling of human capital; theories of discrimination; gender and caste discrimination in India. Education sector in India: an overview.
Unit-5 Education and economics
An Overview Literacy rates, school participation, school quality measures. Government's role in financing education at different levels with special reference to higher education. Education as an industry d. Education as consumption and Education as individual, social and national investment. Spill-over and inter-generational effects of education.
Unit-6 Recent Development
Indian health infrastructure in the time of pandemic like COVID-19; Online learning: Its prospects and challenges; New Education Policy, 2020.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Qualitative and quantitative analysis & reasoning.			
Course Code	SLE2007			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

- Basic understanding of critical issues in behavioural sciences and research methodology, especially qualitative research.
- The student will be facilitated to get closure to critical inner realities of own self and enhance sensitivity to be empathic toward inner realities of others through the use of qualitative research methods.
- Qualitative researchers need to be able to communicate interpretation and meaning from their findings, being aware and taking into account how their own lenses through which they see the world.

Course Outcomes

After completing this course, students will be able to:

CO1	Nature and scope of the Quantitative and Qualitative Research
CO2	The role of Research in a student's perspectives/lenses
CO3	The students will be able to understand critically about any topic of research
CO4	Acquisition of skills and competence in qualitative and qualitative research

CO5	The student will be more acquainted with the ethical and plagiarism issues.
CO6	Develop a critical understanding various research method/ process

Text Book (s)

- 1: Forrester, M. A. (2010). Doing Qualitative Research in Psychology: A Practical Guide. Sage.
- 2: Howitt, D. (2016). Introduction to Qualitative Research Methods in Psychology, 3rd Edition, Pearson United Kingdom.

Reference Book (s)

- **Statistical methods for the social sciences** Fifth edition. : Boston : Pearson : [2018] : xii, 591 pages : ISBN: 978-0-13-450710-1

Unit-1 Introduction
Definition and meaning of research types of research
Unit-2 Sampling method and Data Collection
Sampling Methods methods of Data Collection and Management
Unit-3 Quantitative research methods
Introduction to quantitative research research designs
Unit-4 Qualitative research methods
Introduction to qualitative research- Case Studies, Observations, Interviewing
Unit-5 Ethics in Research and research writing
Research Ethics: issues, rights, and responsibilities

Presentation and writing.
Unit-6 Application of current tools
Introduction to basic tools and software packages available to conduct qualitative and quantitative researches

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Econometrics – I			
Course Code	ECO3001			
Prerequisite	Statistics – I and II, Mathematical Economics, Research Methodology			
Corequisite				
Antirequisite	Econometrics – II			
	L	T	P	C
	4	0	0	4

Course Objectives:

The Objectives of the course are:

- To provide many useful examples of applied econometrics and to develop problem solving and analytical skills.
- To improve ability to search, obtain and arrange data crucial to economic analysts.
- To understand basic econometric concepts and apply these concepts to economic research problems.
- To provide the tools necessary to solve "real world" problems (e.g., estimate demand, forecast sales, determine the impact of an advertising campaign) that are frequently encountered by firms, governments, and policy makers.
- To improve ability to communicate understanding of econometrics.

- Understand necessary assumptions, hypothesis tests, basic problems encountered using linear regression model; and learn how to estimate regression models using a regression statistical package.

Course Outcomes

On the successful completion of the course, the student would be able to -

CO1	Explain how to estimate simple and multiple regressions,
CO2	Explain how to interpret regression estimates and test significance of them,
CO3	Explain and diagnose the assumptions of the Least Square Method,
CO4	Estimate and interpretation of dummy variables regression model and qualitative response regression model.
CO5	Able to solve "real world" problems those are frequently encountered by firms, governments, and policy makers.
CO6	Able to communicate the outcome of econometrics applications.

Text Book (s)

- D. N. Gujarati, D.C. Porter and Gunasekar, *Basic Econometrics*, McGraw Hill, 5th edition, 2012.

Reference Book (s)

- Christopher Dougherty, *Introduction to Econometrics*, Oxford University Press, 4th edition, Indian Edition, 2011.
- Jeffrey M Wooldridge, *Introductory Econometrics: Modern Approach*, Cengage learning, 4th edition, 2009.

Unit-1 Preliminaries for Econometrics
Discrete and Continuous Variables: Expected Values, Expected Values Rules; Variance – Covariance and Correlation Rules, Unbiasedness and Efficiency, Review of Hypothesis Testing: t, z, χ^2 , and F test.
Unit-2 Simple Linear Regression Model - I
Introduction of Econometrics, Estimation by Ordinary Least Square, Assumptions Underlying OLS, Estimation of Parameters, Properties of Good Estimator - BLUE, Test of Significance and

Goodness of Fit, Hypothesis Testing and Forecasting.
Unit-3 Multiple Linear Regression Model
Extensions of the Simple Linear Regression Model: Various types of Regression Models, Multiple Regression Analysis: The Problem of Estimation and Inference, Functional Forms.
Unit-4 Topics in Econometrics
Dummy Variable Regression Models, and Qualitative Response Regression Models: LPM, Logit, Probit and Tobit Models.
Unit-5 Introduction to Econometrics Software
Microfit / E-view / Easy Reg / GRETL / R: ANY ONE

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Financial Institutions and Markets			
Course Code	ECO3003			
Prerequisite	Basic understanding of money and banking			
Corequisite	Money and Banking			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- To describes the general structure of various financial markets.
- To analyse and evaluate financial markets, how securities are traded, mutual funds, investment companies, and investor behave
- To make students familiar with the major issues relevant to banking system in the economy
- To explain the framework of analysis of the issues related to monetary system,

- To apprise the students of the importance and rationale of mutual cooperation among different institution in the monetary system.
- To explain the role and the benefits of financial tools and understand derivatives.

Course Outcomes

After completing this course, students will be able to:

CO1	Able to evaluate the structure of financial system.
CO2	Able to understand the major issues relevant to banking system in the economy.
CO3	Able to understand the role and the benefits of financial markets.
CO4	Able to explain the relationship between types of financial markets and business environment.
CO5	Able to understand the framework related to Insurance and Mutual Funds system.
CO6	Able to analyse recent development

Text Book (s)

- Bhole, L.M. (2009), Financial Institutions and Markets, TATA McGraw Hill
- Mishkin, Frederic, The Economics of Money, Banking, and Financial Markets, 10th Edition, Addison-Wesley

Reference Book (s)

- Bharti Pathak, Indian Financial System, Pearson Publication

Unit-1 Introduction to Financial System
Formal and informal financial system; Components of Formal Financial system; Structure of Indian financial system; Nature and role of financial institutions and financial markets; Financial System Designs: Market based & Bank Based; Financial system and Economic Development.
Unit-2 Regulatory and Promotional Financial Institutions
Reserve Bank of India: Organization and management, Objectives, Subsidiaries, legal framework, functions, Role, techniques of monetary control; Securities and Exchange Board of India (SEBI): Organization, Objectives & Functions, Role of SEBI in Financial markets.
Unit-3 Financial Markets: Money and Capital
Money Market: Call Money market, Treasury Bills Market, Commercial Bills Market, Market for Commercial Papers and Certificate of Deposits.
Capital Market: Functions of the capital market, Primary market and secondary market; Functions of Secondary market, Stock Exchange: Development and Regulation.

Unit-4 Financial Markets: Derivatives

Derivatives: Meaning & benefits, Traders in Derivatives Market: Hedger, Speculator, Arbitrage, Introduction to types of derivatives: Forwards, Futures, Options, Swaps.

Unit-5 Insurance and Mutual Funds

Meaning and principles of insurance, Insurance Regulatory and Development Authority (IRDA): Objectives and functions, LIC&GIC: Objectives & functions, IRDA Regulations for Insurance Sector; The concept of mutual funds, Advantages of Mutual funds, Types of Mutual funds, SEBI Regulations.

Unit-6 Recent Developments

Expected role of Cryptocurrencies, Impact of Covid-19 on financial institutions, Covid-19 and Insurance sector.

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Industrial and labour Economics			
Course Code	ECO3005			
Prerequisite	Knowledge of Micro			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- To improve the understanding of Industry classification & linkages.
- To understand the pricing of industrial products.
- To understand the integration & merger of Industrial Units.

- To understand the various sources of finance

Course Outcomes

After completing this course, students will be able to:

CO1	Explain the industrial organization and structure
CO2	Explain the various theories of location
CO3	Explain the sources of finance and pricing policies in India
CO4	Able to understand the industrial competitiveness of Indian Industry
CO5	Able to understand labour economics
CO6	Able to understand gender wise labour situation

Text Book (s)

- Barthwal, R.R. (1992), Industrial Economics : An Introductory Text Book, Wiley Eastern Ltd., New Delhi.
- Tirole, J.: The Theory of Industrial Organization, MIT Press (1988)
- Cahuc, P.; Carcillo, S. and Zylberberg, A. (2014): Labor Economics, MIT Press
- Borjas, G. J. (2010): Labor Economics, McGraw-Hill/Irwin, Boston MA (5th edition).

Reference Book (s)

- World Health Organisation (2013). The economics of the social determinants of health and health inequalities: A resource book. World Health Organisation.
- Articles from journals and working papers.

Unit-1 Introduction

Industrial revolution and Structural Shift in GDP. Asian Tigers and Industrialisation. Industrial Growth. SCP Paradigm. Market Power, Barriers to Entry and Market Structure.

Unit-2 Industrial Development

Porter's Theory of Competitive Advantage. Characteristics and Boundaries of Firms. Transaction Cost Theory of Firms. Horizontal Diversification. Robin Marris Model. Globalisation of SMEs (Global Value Chain). Networking. Merger – Types, theories and Determinants. Theories of Industrial Location. Corporate Social Responsibility.

Unit-3 Industrial Classification

Success Stories – Indian IT Industry, Textile Industry, Pharmaceutical Industry, Automobile Industry and SMEs. Some Successful Industrial Clusters in India. Unsuccessful Story of Indian Mobile Industry.

Unit-4 Employment Issue

Labour Supply: Choice between Consumption and Leisure; Incorporating Household Production and Decisions. Labour Demand and Equilibrium: Labour Demand Function, Competitive Equilibrium, Compensating Wage Differentials and Hedonic Theory of Wages.

Unit -5 Labour and Wages Issue

Discrimination Theories of Discrimination, Measuring Discrimination, Affirmative Action. Labour Market Institutions and Policies Collective Bargaining and Labour Unions, Minimum Wage and Employment, Unemployment Insurance, Job security regulations. Incentives, Agency and Efficiency Wages. Migration.

Unit-6 Recent Development

Indian industries and their performance during and after pandemic; Reverse migration; labour crisis; wages of informal labour

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Detailed Syllabus

Name of The Course	Writing for Social Sciences and Humanities			
Course Code	SLE3001			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

What are the objectives of this course?

- To familiarize students with basic writing skills
- To introduce students to various kinds of sources and types of bibliography styles
- To introduce students to the ethics of research and writing
- To present focused and logical arguments that support a research question/ hypothesis
- To familiarize students with different parts of an academic essay
- Draft, revise, edit, and share essays and other academic writings

Course Outcomes

CO1	Read various sources and write a summary
CO2	Learn different styles of bibliography
CO3	Write essays for different audiences
CO4	Present academic essays with a proper flow
CO5	Flow of argument on a variety of topics
CO6	Drafting an article and review

Reference Book (s)

1. University Writing Centre, The University of Texas at Austin, <http://uwc.utexas.edu/handouts/>
2. <http://grammar.ccc.commnet.edu/grammar/>
3. Academic Phrasebank, University of Manchester, <http://www.phrasebank.manchester.ac.uk/>
4. University of New South Wales, Learning Centre Resources, <http://www.lc.unsw.edu.au/node/7>
Developing Research Questions,' Monash University, <https://www.monash.edu/rlo/research-writing-assignments/understanding-the-assignment/developing-research-questions>
5. Writing Social Sciences- A personal narrative, Rawat Publication, ISBN-10, 8131610985, ISBN-13, 978-8131610985, 1 Jan 2019 by Paramjit Singh Judge.
6. 'How to write a Research Question?' The Writing Centre, <https://writingcenter.gmu.edu/guides/how-to-write-a-research-question>
7. 'Formulation of Research Hypothesis,' Oakland University, https://oakland.edu/Assets/upload/docs/AIS/Syllabi/Taylor_Research_Hypothesis.pdf
8. The Writing Centre, Harvard University, <https://writingcenter.fas.harvard.edu/pages/resources>
9. SIS Research Manual, Jawaharlal Nehru University, https://www.jnu.ac.in/sites/default/files/SIS_Research_Manual.pdf
10. University of Technology, http://www.lib.uts.edu.au/sites/default/files/attachments/blog/Avoiding_Plagiarism_Slides_Power_Session_to_send_out.pdf
11. University of Birmingham, <https://intranet.birmingham.ac.uk/as/studentservices/conduct/plagiarism/guidance-students.aspx>
12. AIMS Community Centre, <http://www.aims.edu/student/online-writing-lab/sources/primary-vs-secondary>
13. University Writing Centre, The University of Texas at Austin, <http://uwc.utexas.edu/handouts/>
14. SIS Research Manual, Jawaharlal Nehru University, https://www.jnu.ac.in/sites/default/files/SIS_Research_Manual.pdf
15. SIS Research Manual, Jawaharlal Nehru University, https://www.jnu.ac.in/sites/default/files/SIS_Research_Manual.pdf
16. University of New South Wales, Learning Centre Resources, <http://www.lc.unsw.edu.au/node/7>

Unit-1 Introduction

Introduction to the Course, Ice-Breakers; Write and Read: Public Speaking, How to write a sentence using conjunctions? How to write a sentence using phrases? Understanding the nuances of narration, sentence structure, writing sentences. Flow of sentences, What are analytical and descriptive sentences?

Unit-2 Finding Research Gap
Construction of Research Question, Questions / Hypothesis, Literature Review, Definition, Rational and Scope, Understanding plagiarism and types of plagiarism, Sources: Primary and Secondary
Unit-3 Writing and Explaining
Summary writing and Paraphrasing, Paraphrasing Newspaper and Research Articles, Movie Screening, Writing a Movie Review
Unit-4 Paragraph Organization
Writing Skills and Note Taking, Formatting a paragraph: Introduction, Body, Conclusion
Unit-5 Reviewing an Article
Editing and Omitting Strategies, Review and Peer Review, Drafting an Article, Revision and Review of Final Essay

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
			100

Name of The Course	Econometrics – II			
Course Code	ECO3002			
Prerequisite	Statistics – I and II, Mathematical Economics, Research Methodology, Econometrics - I			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The Objectives of the course are:

- To provide many useful intakes for relaxing the assumptions in classical regression model.
- To improve ability to estimate the regression model underlying the violation of various assumptions.
- To master intermediate econometric concepts and apply these concepts to economic research problems.
- To provide the tools necessary to solve "real world" problems relates to time series.
- To be able to develop econometric models for forecasting.
- Understand how to estimate regression models using a regression statistical package.

Course Outcomes

On the successful completion of the course, the student would be able to -

CO1	Deal with the violation of assumptions in classical regression model.
CO2	Estimate the regression model underlying the violation of various assumptions.
CO3	Perform intermediate econometric concepts and apply these concepts to economic research problems.
CO4	Provide the tools necessary to solve "real world" problems relates to time series.
CO5	Develop econometric models for forecasting.
CO6	Estimate regression models using a regression statistical package.

Text Book (s)

- D. N. Gujarati, D.C. Porter and Gunasekar, *Basic Econometrics*, McGraw Hill, 5th edition, 2012.

Reference Book (s)

- Christopher Dougherty, *Introduction to Econometrics*, Oxford University Press, 4th edition, Indian Edition, 2011.
- Jeffrey M Wooldridge, *Introductory Econometrics: Modern Approach*, Cengage learning, 4th edition, 2009.

Unit-1 Relaxing the Assumptions of Classical Models

Consequences, Detection and Remedies: Multicollinearity, Heteroscedasticity, and Autocorrelation,

Model Specification and Diagnostic Testing.
Unit-2 Dynamic Econometric Models
The Role of Time and Lag, Distributed Lag Models, Koyck Approach, Autoregressive Models, Instrumental Variables, DW Statistics, Almon Approach, and Granger Causality Test.
Unit-3 Time Series Econometrics
Key Concepts, Time Series Process (Stationary and Stochastic Process): Random Walk, Random Walk with Drift, Unit Root, Difference Stationary and Trend Stationary, Cointegration versus Spurious Regression, and Error Correction Model.
Unit-4 Time Series Econometrics: Forecasting
AR, MA, ARMA, ARIMA, BJ, ARCH, GARCH Models and Forecasting.
Unit-5 Model Estimation through Econometrics Software
Microfit / E-view / Easy Reg / GRETL / R: ANY ONE

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	International Trade and Finance			
Course Code	ECO3004			
Prerequisite	Basic Micro and Macro Economics			
Corequisite				
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- Students would gain understanding of the economic forces explaining the patterns and the effects of international trade, trade networks.
- Students would gain understanding of different theoretical approaches over foreign trade by underlining their assumptions and fundamentals; the gains and losses from trade, comparing different theories.
- Acquiring understanding of the impact of trade Foreign Direct Investment, trade frictions, and policies dealing with international trade and investment
- Students would get familiar with recent patterns of international trade.
- Gaining understanding of the international Trade Policy
- Students would understand the working of International Capital and MNCs

Course Outcomes

After completing this course, students will be able to:

CO1	Able to distinguish interregional and international Trade.
CO2	Able to use major theories of International Trade.
CO3	Able to illustrate Gains from Trade and Terms of Trade.
CO4	Able to predict the impact of international trade on growth of different trading economies.
CO5	Able to conclude the effect of International trade and finance policies.
CO6	Able to understand recent scenario of trade

Text Book (s)

- Salvatore, D., *International Economics*, 8th Edition, Wiley India, New Delhi, 2004.
- Krugman P. R. and Obsfeild M., *International Economics- Theory and Policy*, 5th Edition, Addison Wesley, New Delhi, 2000.
- Soderston, B. and Reed G., *International Economics*, 3rd Edition, McMillan Press Ltd., London, 1994.

Reference Book (s)

- Thomas A. Pugel, *International Economics*, McGraw Hill; 13th Edition
- Appleyard and Field; *International economics*; McGraw Hill; 8th Edition

Unit-1 Introduction to International Economics

Meaning and Definition of International Trade, Interregional and international Trade: Difference and Similarities, Reason for rise in International Trade, Benefits and Limitations of International Trade; Purpose and subject matter of International Economics; Current International Economics

problems and Challenges.
Unit-2 International Trade Theories
The Mercantilists' Views on Trade; Trade based on Absolute Advantage: Adam Smith; Trade based on Comparative Advantage: David Ricardo; Heberler's theory of Opportunity Cost, Mills theory of Reciprocal demand.
Unit-3 Modern and Recent Theories
Modern Theory: Heckscher-Ohlin theory, Factor Intensity, Factor Abundance, and the Shape of the Production Frontier, Factor Price Equalization Theorem; The Leontief Paradox, Vernon's Product Lifecycle Theory, Intra Industry Trade: Trade Based on Product Differentiation.
Unit-4 Gains from Trade and Terms of Trade
Introduction: Potential and Actual gains from International Trade; Measurement of Gains from Trade, factors Determining gains from Trade; Determination of terms of trade, Factors affecting Terms of trade.
Unit-5 International Trade and Finance Policy
Trade Restrictions: Tariffs, Optimum Tariff; The Stopler-Samuelson Theorem; Effective rate of Protection, Non-tariff Barriers: Import quotas, Dumping, Types of Foreign Investment, Multinational Corporations: Benefits and problems for home country and host country, Foreign Aid and economic Development
Unit 6 Recent Developments
Impacts of Covid-19 on International trade and Finance

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Agricultural Economics			
Course Code	ECO3006			
Prerequisite	Knowledge of Basic Economics			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

The objectives of the course are:

- To make students aware of the significance of the agricultural development to the economic development
- To educate students about various theories of Agricultural development
- To explore the key factors to enhance the agriculture productivity
- To highlight the government policies for enhanced agricultural productivity and influence with the international markets.
- To understand the role of agriculture development for international trade

Course Outcomes

After completing this course, students will be able to:

CO1	Appreciate the cost of relative negligence of the agriculture sector in the process of growth and development strategy.
CO2	Analysed and understand the theoretical importance of agriculture development and empirical analysis on this sector and its linkage with the other sector
CO3	Studied key factors that are important for enhanced productivity
CO4	Analysed evaluated the government policies related to agriculture development
CO5	Able to understand structural problems of Indian agriculture
CO6	Able to understand importance of rural infrastructure

Text Book (s)

- George W. Norton and Jeffrey R. Alwang (1993), Introduction to Economics of Agricultural Development, McGraw-Hill Publication
- Eicher, Carl and Witt Lawrence (1964), “Agriculture in Economic Development”, McGraw-Hill Publication

Additional References:

- Amerjjit Singh, A.N.Sadhu and Jasbir Singh (2012), Fundamental of Agricultural Economics, Himalaya Publishing House
- Anwarul Huda & Ashok Gulati (2007), “WTO Negotiations on Agriculture and Developing Countries”, Oxford University Press.
- K. L. Krishna & Uma Kapila (2009), “Readings in Indian Agriculture & Industry”, Academic Foundation, New Delhi.

Unit-1 Significance of Agricultural and allied activities
Agriculture and Economic Development --Role of Agriculture in Economic Development; Interdependence between Agriculture and Industry; Structural Problems in Agriculture; Tenancy and Crop Sharing- Land Reform and Economic Development
Unit-2 Theories of Agricultural Development
Schultz, Mellor, Ranis-Fei. Institutions and Agricultural Models-Lenin and Kautsky. Farm Size and Productivity Debate; Theoretical and Empirical Findings.
Unit-3 Indian Agricultural revolution
Green Revolution and its Impact on Production and Distribution, Agricultural Growth and its Regional Dimensions in India. Impact of World Trade Organisation on Indian Agriculture. Food Security and International Trade- Concepts, Threat, Indicators and Mechanism to Food Security.
Unit-4 Agricultural Policies and
Policies for Agricultural Sector; Agricultural Price Policy; Role of Credit in Agricultural Development; Sources of Agricultural Credit- Institutional and Non-Institutional. Cooperative Movement in India Organisation, Structure and Development of Different
Unit-5 Rural Infrastructure
Types of Cooperatives in India. Investment and Subsidies in Indian Agriculture; Importance of Rural Infrastructures in Agricultural Development.
Unit -6 Recent Development

Recent agricultural policies and schemes for the agricultural development

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Programme	B. A. (HONS)ENGLISH			
Batch	2019 – 22			
Semester	V			
Name of The Course	Literature, Film, and Social Media			
Course Code	ENG3005			
Prerequisite				
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

1. To become acquainted with ways of “reading” different kinds of texts
2. To become better able to analyzing and discussing different kinds of texts accessible to the public as well as their distinct roles
3. To examine literature, film, and social media as reflecting cultural notions, ideologies, and stereotypes
4. To introduce students to key ideas and aspects related to representation and performance
5. To enhance students’ knowledge of different media and techniques of expression

Course Outcomes

CO1	To understand the nuances of the language of different kinds of texts
CO2	To demonstration an understanding of representation, adaptation, and performance
CO3	To demonstrate analytical abilities while considering literary, cinematic, and social media texts
CO4	To discuss and evaluate different kinds of texts as reflecting cultural notions, ideologies, and stereotypes
CO5	To determine the roles and the contributions of the different kinds of texts in the public domain to society and culture
CO6	To critically evaluate a given text

Text Book (s)

- Stam, R. (2000). “Beyond Fidelity: The Dialogics of Adaptation” in *Film Adaptation* by James Naremore. New Brunswick: Rutgers University Press.
- Wiesinger, S. &Beliveau, R. (2016). *Digital Literacy: A Primer on Media, Identity, and the Evolution of Technology*. Peter Lang Publishing Inc.

- Ryan, M. (2001). *Narrative as Virtual Reality*. John Hopkins University.
- Eder, J., Jannidis, F. & Schneider, R. (Eds.) (2010). *Characters in Fictional Worlds: Understanding Imaginary Beings in Literature, Film, and Other Media*. De Gruyter.

Reference Book (s)

- Bordwell, D. (2008). *Poetics of Cinema*. NY & London: Routledge.
- Carter, C. & Steiner, L. (Eds.). (2004). *Critical Readings: Media and Gender*. Maidenhead: Open University Press.
- Chatman, S. (1980). “What Novels Can Do That Films Can’t (and Vice Versa)” in *Critical Inquiry* 7.1. The University of Chicago Press. pp. 121-140.
- Singh, I. (2007). *Gender Relations and Cultural Ideology in Indian Cinema: A Study of Select Adaptations of Literary Texts*. Deep & Deep Publications Pvt. Ltd.

Unit-1
Grammar of Cinema; Change of form – the dynamics of adaptation, the employment of time and space in a cinematic adaptation; Dynamics of performance
Unit-2
Screening of a film adapted from a literary text followed by discussion
Unit-3
Evolution of Media – from print to digital forms; Media as a cultural product and as reflecting culture/ideology; Differences in how different age groups and different genders use media
Unit-4
Interconnections and interdependence of different texts in the public domain; Impact of technology on media, films, as well as literature Jane Austen’s literary works and Jane Austen in popular culture (film and TV adaptations as well as use in the video game <i>Saints Row IV</i>)
Unit-5
Ideology and its representation/ propagation through different texts of literature, cinema, and social media; critical analysis of texts of different kinds propagating the same ideologies
Unit-6
Advances in Social Media Research: Past, Present and Future, Published in Nov.2017, pages 531–558(2018)

Name of the Course	Psychology of Individual Differences			
Course Code	PSY3005			
Prerequisite	None			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

1. Understand the psychometric debate relating to different theories of personality and intelligence
2. Understand how contemporary psychometric theory is applied to the assessment of individual differences
3. Apply the principles of psychological assessment
4. Understand the extent to which individual differences in putative enduring characteristics and dispositions are related to human behaviour, cognition, emotion and motivation
5. Understand how individual differences can be applied to improve an understanding of psychological concepts
6. Recognise the content of different kinds of ability and personality tests and to be familiar with the practical and ethical considerations associated with psychological testing

Course Outcomes:

CO1	Discuss the general nature of individual differences
CO2	Describe what facets of psychology and behavior define “personality,” “individual differences” and their statistical structure.
CO3	Demonstrate an understanding of personality operationalization, measurement, and assessment.
CO4	Discuss several major theoretical perspectives on intelligence
CO5	Discuss and evaluate how empirical research can test theories about personality and intelligence
CO6	Demonstrate an understanding of issues and controversies that affect the topic individual differences

Text Book (s)

- Carr, A. (2011): Positive psychology. Routledge.
- Chadha, N.K. & Seth, S. (2014). The Psychological Realm: An Introduction. Pinnacle Learning, New Delhi.
- Ciccarelli, S. K., & Meyer, G. E. (2010). Psychology: South Asian Edition. New Delhi: Pearson Education.
- Matthijs Cornelissen, Girishwar Misra and Suneet Varma (eds.) (2011),

Foundations of Indian Psychology (Vol. 1), Theories and concepts .

Reference Book (s)

Pearson. Mentis, M., Dunn-Bernstein, M., Mentis, M., &Skuy, M. (2009).Bridging learning: Unlocking cognitive potential in and out of the classroom.

- Corwin. Passer, M.W. & Smith, R.E. (2010). Psychology: The science of mind and behaviour. New Delhi: Tata McGraw-Hill.

Detailed outline of the course

Unit-1 Introduction and Personality Individual differences: Bio psychosocial influence ; The influence of Genetics; Prenatal influences
Unit - 2 Personality Nature of personality; Biological foundations of personality; Culture, gender and personality; Perspectives on personality: Psychodynamic, Phenomenological- humanistic and social cognitive.
Unit-3 Intelligence: Concept of intelligence: Traditional and Multidimensional approaches Psychometric and cognitive approaches to intelligence; Gardner’s multiple intelligences; Emotional Intelligence, Heredity, environment and intelligence; Group differences in intelligence; Extremes of intelligence.
Unit-4 Indian approach: The role of Gender and Culture; Self and identity in Indian thought.
Unit -5 Individual Differences and Psychological Disorders Psychological disorders and individual differences – a transdiagnostic approach; Social Phobia; Individual differences and psychosis
Unit-6 Enhancing individual’s potential: Self-determination theory; Enhancing cognitive potential, Self-regulation and self enhancement; Fostering creativity.

Name of The Course	Contemporary issues in Indian Politics			
Course Code	POL3101			
Prerequisite	None			
Corequisite	None			
Antirequisite	None			
	L	T	P	C
	4	0	0	4

Course Objectives:

India being a diverse country has its own kind of democratic institutions and its different takes on politics and culture. To understand the dynamics of Indian politics we must study contemporary issues in Indian politics.

Course Outcomes

CO1	Understanding of Indian politics after independence
CO2	Analyzing the Federal Structure of the country
CO3	Understanding of role of Political Parties in Indian Democracy
CO4	Understanding of changing role of electoral mechanism in India
CO5	Analyzing factors affecting Indian politics
CO6	Analyzing contemporary challenges in Indian Politics

Text Book (s)

- D. D. Basu, An introduction to the Constitution of India, New Delhi, Prentice Hall, 2005 (Reprint)
- C. P. Bhambhri, The Indian State: Fifty years, New Delhi, Shipra, 1997.
- Paul Brass, Politics of India since Independence, Hyderabad, Orient Longman, 2001.
- Granville Austin, Constitution of India. Oxford, New Delhi.
- S. Kashyap, Reviewing Constitution, Shipra, New Delhi

Reference Book (s)

- S. Kashyap, Reviewing Constitution, Shipra, New Delhi
- Jones, Morris: Government and Politics in India, Oxford University Press, N. Delhi, 1998.
- Noorani, N.V.: Constitutional Question in India, the President, Parliament and the State, Oxford, UP, 2000

Unit-1 Introduction	8 hours
Introduction	
Indian politics, historical development and post-independence politics	
Unit-2	8 hours
Federalism	

The Federal System: Centre-State Relations, Nagar Palikas and Panchayati Raj	
Unit-3	8 hours
Political Parties	
Political Parties: National and Regional; Changing Nature of Party System.	
Unit-4	8 hours
Electoral system	
Elections: Election Commission, Electoral Reforms, Criminalization of Politics	
Unit-5	8 hours
Indian Politics	
Major Issues in Indian Politics: Religion, Caste and Reservations, Language, Regionalism. Constitution and Society: Right to Education and Right to Work, Right to food. Corruption	
Unit 6	8 hours
Recent development in Indian politics	
Role of social media to influence voters, emergence of nationalist politics and the rise of Hindu nationalism	

Name of The Course	Religion Science and Society			
Course Code	BSL05T5014			
Prerequisite	None			
Corequisite	None			
Antirequisite	None			
	L	T	P	C
	4	0	0	4

Course Objectives: This course aims to provides a broad vision, knowledge, understanding and rational outlook to understand and analyze religion

Course Outcomes: On successful completion of this course students will be able to-

CO1	Examine the various approaches to the study of religion.
CO2	Develop a critical understanding of state, religion and emancipation.
CO3	Examine the various religious practices like rites of passage and practices of inversion.
CO4	Critically examine the structure, function and dysfunctions of religion
CO5	Interpret and understand the causes and consequences of world religions.
CO6	Examine the sociological analysis of impact of science and technology on society.

Text Book (s)

- T. N. Madan, Religion in India, OUP, New Delhi, 1991
- A. Nandy, Trivedy, Mayaram and Yagnik, Creating a Nationality: The Ramjanmabhoomi Movement and the Fear of the Self, OUP, Delhi, 1987
- Srinivas, M. N. 1952. Religion and society among the Coorgs of south India. Clarendon : Oxford
- Emile Durkheim. 1995. The elementary forms of religious life. Translated by Karen E. Fields. New York: The Free Press
- Max Weber.1978. Economy and society. Edited by Guenther Roth and Claus Wittich. California: University of California Press

Reference Book (s)

- Malinowski, Bronislaw. 1948. Magic, science and religion and other essays. Selected, and with an introduction by Robert Redfield. Boston: The Free Press
- Mauss, Marcel.2008 (2003). On prayer. USA: Berghahn Books

Unit-1 Introduction To sociology of Religion	15
hours	
Religion: Why Sociologists Study Religion?	
Meaning and Definitions, Concepts, Theories. Cult , Sect, Denomination.	
Social and Religious:	
Formulating Religious ,Asceticism and Accumulation	
Theodicy and Eschatology , State, Religion and Emancipation Religious and Solitude	

Unit-2	Elements of Religious	10 hours
Elements of Religious		
Sacred, Myth, Ritual , Time-Space, Rationality		
Religious Practices Rites of passage, Practices of inversion		
Unit-3		10 hours
Techniques of Religious		
Prayer ,Craft ,Body Religion in India:		
Functions and dysfunctions, Impact of religion on Indian society		
Communalism in India., Sociological Analysis of religious behaviour of Indians		
Unit-4		10 hours
Impact of science on society, Science and Scientific Controversies, Technology and Privacy		
UNIT 5	Religion Science and Society:	10 Hrs
Current Trends in Religion: Secularization., Classical and Modern Thinkers on Religion and Secularization.		
Unit 6		5 Hrs
A new Religious Consciousness. Religion, Magic and Science.		

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of the Course	Organizational Psychology			
Course Code	PSY3010			
Prerequisite	None			
Corequisite				
Antirequisite				
	L	T	P	C
	4	0	0	4

Course Objectives:

At the conclusion of the course it is expected that students will demonstrate knowledge and skills in several core areas. Specifically, students should be able to:

1. Identify key theoretical aspects and practical applications of organizational behavior.
2. Apply OB concepts and theories to analyze and improve work situations.
3. Understand and leverage your own traits and OB competencies in the workplace for professional success and as a potential organizational leader.

Course Outcomes:

CO1	Understand how organizations work and why people behave as they do in work settings.
CO2	Better understand your own OB related traits and perspectives
CO3	Improve your ability to analyze and understand organizational situations in terms of OB theories and concepts
CO4	Improve your skills in reacting appropriately to organizational situations using OB concepts
CO5	Analyze the complexities associated with management of the group behavior in the organization.
CO6	Demonstrate how the organizational behavior can integrate in understanding the motivation (why) behind behavior of people in the organization.

Text Book (s)

- Organization Theory: From Chester Barnard to the Present and Beyond By Oliver E. Williamson Oxford University Press, 1995 (Expanded edition)
- Organizational Behavior: Foundations, Theories, and Analyses By John B. Miner Oxford University Press, 2002
- Organizational Behaviour: Performance Management in Practice By Richard Pettinger Routledge, 2010

Detailed outline of the course

Unit-1 Introduction
What is Organizational Behavior; Context Introductions and Orientation
Unit-2 Individual Effectiveness
Personality, values, attitudes, emotional intelligence
Unit-3 Social Interactions
Groups, Teams, and Leadership, Group Behavior and Teams Communication & Social Networks
Unit-4 Understanding Job Satisfaction & Motivation
Theories of Motivation, Applying Motivation related Concepts - Case Discussion
Unit-5 Employee Engagement
Affect, Attitudes, Recreational Activities and Behavior at work
Unit-6 Effects of Workplace Trends on Industrial-Organizational Psychology
Globalization, Sexual Harassment, Automation and Artificial Intelligence, Employee engagement program

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Examination (MTE)	End Term Examination (ETE)	Total Marks
20	30	50	100

Programme	B. A. (HONS)ENGLISH			
Batch	2019 – 22			
Semester	VI			
Name of The Course	Intercultural Communication			
Course Code	ENG3010			
Prerequisite	NA			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

Introduce students to the practical aspects of theatrical performances by practicing the following skills:

1. Come to understand the foundational concepts of culture, and the dynamics that influence human interaction and communication across cultures.
2. Come to appreciate the wide range of diverse human behaviours, thereby increasing their cognitive complexity and cultural literacy.
3. Learn to use the ethnographic approach to observe, describe and interpret cultural behaviours.
4. Develop analytic breadth through using visual media and relationships as the basis of analysis.

Course Outcomes:

Course Outcomes:

CO1	Identify and describe the various aspects of culture which affect a person's worldview, values, and behaviour.
CO2	Understand the diversity of worldviews, values, behaviour, traditions, and experiences of co-cultures
CO3	Understand the roles of culture, language, power, and communication on the development of personal, social and cultural identities throughout the lifespan
CO4	Discuss how culture influences nonverbal communication and how nonverbal communication influences intercultural communication
CO5	Understand and analyze the process of stereotype formation and the manifestations of prejudice, discrimination
CO6	Explore and evaluate concrete examples of the student's own cultural heritage in relation to others

Text Book (s)

- *Theatre Games* by Clive Barker, A&C Black; Reprint edition (September 1, 2003)

Reference Book (s)

- *The Oxford illustrated History of Theatre* by John Russell Brown, Oxford University Press, 1995.
- *Natyasastra: English Translation with Critical Notes* by AdyaRangacharya, - MunshiramManoharal Publishers Private, Limited, 1996
- *Theatrical Design and Production*, 5th ed., by J. Michael Gillette, McGraw-Hill (2004)
- *A Practical Handbook for the Actor* by Bruder, Melissa et al. Random House, 1986.
- *Sound and Music for the Theatre: The Art and Technique of Design*, Second Edition by Deena Kaye and James LeBrecht, Focal Press; 2 edition (September 1999)
- *Designing with Light: An Introduction to Stage Lighting*, 4th ed., by J. Michael Gillette
- *An Introduction to Scenic Design and Construction* by Michael Gillette, 5th edition, 2005
- *The Director's Eye* by Ahart, John, Colorado Springs: Meriwether Pub. Ltd., 2001.
- *The Stage Management Handbook*, Daniel A. Ionazzi
- *Handbook of Stage Costume [illustrated]* by Tina Bicat, Crowood Press, Limited (2006)

Unit-1
Introduction Introduction to Intercultural, Communication and Developing Cultural Awareness, Defining Human Communication and Culture, Components of Human Communication, Developing Intercultural Competence
Unit-2
Culture, communication, context, and power Three Approaches to Culture, Communication, Nine Cultural Value Orientation, Influence of Cultural Values on Communication
Unit-3
Cultural Values and Conflict Behaviour, Communication and context, Characteristics of Power, Relationship Between Communication and Power
Unit-4
Culture and Variables

Culture and History, Culture and Values, Culture and Identity, Structure of Culture, Culture and Family, Constructs of Worldviews, Religion and Human Behaviours
Common Elements of Religion, Developing Religious Tolerance

Unit-5

Language and Intercultural communication

Components of Language, Cultural variations in communication style and apply to word choice in written communications, Challenges of multilingualism and how to adapt communications methods, Translation and interpretation

Unit-6

Phenomenon of code switching and interlanguage, Communications tactics and channels to promote intercultural messages to diverse, targeted audiences

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	INDIA's FOREIGN POLICY			
Course Code	POL3091			
Prerequisite	None			
Corequisite	None			
Antirequisite	None			
	L	T	P	C
	4	0	0	4

Course Objectives:

Introduction of Indian foreign policy is the prime motto of this course. Decision making process at the apex level in the matter of external affairs of India is a very important process. This course is made with the core intention to make acquainted the students with this. India's role and its standing in the International arena is another area which is significant and this course deals it with ample base.

Course Outcomes

CO 1	Knowledge of salient features of Indian Foreign policy.
CO 2	Understanding of role of India in world politics and South Asian politics.
CO 3	Understanding Foreign Policy of India
CO 4	Analyse India's relationship with developed world
CO 5	Analysis India's relationship with its neighbour
CO 6	Able to understand recent development in India's foreign policy

Text Book (s)

- Appadorai and M. S. Rajan eds. (1985) India's Foreign Policy and relations, South Asian Publishers, NewDelhi.
- Sumit Ganguli eds (2009) India's Foreign policy: Retrospect and Prospect, Oxford University Press, NewDelhi.
- Ghosh Peu, (2013), International Relations, third edition, PhiPublication.

Reference Book (s)

- Khanna, V. N (2012), International Relations, third edition, Vikas Publication House, NewDelhi.

Unit-1

Introduction 8 hours

Foreign Policy: Meaning, Scope and Significance

Nation-State and its National Interest in the Anarchic World System
Principle of Continuity and Change

Unit-2 8 hours

Determinants of Foreign Policy and India

Salient Features of India's Foreign Policy: Historical Background, Geopolitical Status of the Country, Social & Cultural Determinants, Political System and Decision Making Process in India,

Personality Factors: J L Nehru, Lal Bahadur Shastri, Indira Gandhi, Rajiv Gandhi, P V Narsimha Rao, I K Gujral, Atal Behari Vajpaayi, Manmohan Singh, Narendra Modi

Unit-3 8 hours

India & The World I

NAM

India and UNSC Reforms

India as a responsible Nuclear State

Unit-4 8 hours

India & The World

II India and
South Asia

GeoEconomics and Geopolitics

India's Relation with USA, Russia and China

Unit-5 8 hours

India and South Asia

India's relations with its Neighbours India
and Indian Ocean

Global Terrorism and South Asia

Unit-6 8 hours

Recent Development

Recent Development in India's Foreign Policy

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Cashless Economy and Start-ups			
Course Code	ECO2009			
Prerequisite	None			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- To explore the basic concepts related to start-ups
- To facilitate an understanding of the meaning and concepts of cashless economy
- To get an idea of the factors promoting entrepreneurship
- To understand the importance of cashless economy for development
- To explore the importance of start-ups for economic development
- To understand the basic concepts of cyber crime

Course Outcomes

After completing this course, students will be able to:

CO1	Able to identify the basics of start-ups and policies regarding the start-ups.
CO2	Able to have basic understanding about the institutions promoting start-ups
CO3	Able to demonstrate knowledge about the marketing and financial strategies
CO4	Able to appraise the effects of cashless economy
CO5	Able to assess the role of infrastructure and institutions promoting cashless economy
CO6	Able to understand importance of start ups

Text Book (s)

- Roy, A. K. (2017). Digital India initiative-to transform India into digital empowered society and knowledge economy
- Mandal, P. K. (2017). *Problems and Prospects of Cashless India*. Educreation Publishing.

Reference Book (s)/Papers

- Davidsson, P. (2006). *New firm startups*. Edward Elgar Publishing.
- Schaper, M., Volery, T., Weber, P., & Lewis, K. (2010). *Entrepreneurship and small business*. John Wiley & Sons.

Unit-1 Introduction to start-ups
merit and demerits of start-ups', start-ups & start-ups India, make in India and its impact on start-ups, global scenario of start-ups, opportunity and risk analysis, state policies and start-ups, institutions promoting start-ups
Unit-2 strategies of setting up start-ups
Strategies for start-ups, marketing strategies to make your start-up a success, start-up financing, innovation and start-ups, reasons for the failure of start-ups
Unit-3 Role of start-ups in cashless economy
Definition cashless economy, merits and demerits of cashless economy, cashless economy and corruption, concerns in cashless economy, infrastructure for cashless economy, role of public and private institutions in cashless economy
Unit-4 Cashless economy and digitalization: Future prospects and shortcomings
Instruments of cashless economy, overview of digital payment, Evolution of digital payment, global scenario of cashless payments
Unit-5 Mobile market
overview of mobile wallet market in India, effect of demonetization on the industry, future outlook and key challenges
Unit-6 Recent Development
Start up India and Stand up India

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

Name of The Course	Global Economic issues			
Course Code	ECO2010			
Prerequisite	None			
Corequisite	NA			
Antirequisite	NA			
	L	T	P	C
	4	0	0	4

Course Objectives:

- Acquire a basic understanding about the problems of the different countries and the kind of problem faced by them.
- Analyse the role and importance of environment for sustainable growth & development
- Familiarization with the various resources and potential of the Economy as a whole.
- Understand the global economic concerns of crisis and depression and its impact on world economy.
- familiarize students with different problem like inequality, environment issues
- Analyse the impact of high emissions on production.

Course Outcomes

After completing this course, students will be able to:

CO1	Apply concepts global environment/emissions on production.
CO2	To prepare students to know the problems generated through inequalities of income.
CO3	Explain the problem of inequality
CO4	Able to understand “real world” problems those are frequently encountered by government, state government and policy makers.
CO5	Role of government in social policy and how it leads to betterment of the society as whole
CO6	Able to understand environment and public policy

Text Book (s)

- Joseph P. Daniels, David D. Van Hoose, Global Economic Issues and Policies; Routledge N. Y.

- Sachs, Jeffrey D. 2005. The End of Poverty: Economic Possibilities for Our Time. New York: Penguin Press. (See especially Chapter 1.
- Stiglitz, Joseph E. 2003. Globalization and Its Discontents. New York: Norton. (Chapter 2.)

Reference Book (s)/Papers

- Lomborg, Bjorn, ed. 2004. Global crises global Solutions. Cambridge, United Kingdom: Cambridge University Press.

Unit-1 Capitalist revolution
Emergence of capitalist society, variety of capitalism, measuring income inequality, income, living standard. Technology, population and growth
Unit-2 History of economic crisis
Great depression of 1930s; Root cause, impact on global economy, Policy making to eradicate the problems. Period of golden age: Root cause, impact on global economy, Policy making to eradicate the problems. Global crisis of 2008: Root cause, impact on global economy, Policy making to eradicate the problems.
Unit-3 Globalization, trade & labour exploitation
Globalization and trade, Consequences of globalization: exploitation and Modern slavery
Unit-4 Environment and public policy
Environment as an economic issue, Government as policy maker, Davos world economic forum, United Nation environment program.
Unit – 5 Globalisation and FDI
Inward and Outward FDI, Types of FDI, FDI and its impact on Host economy.
Unit-6 Recent Development
Importance and role of globalisation during pandemic like COVID 19

Continuous Assessment Pattern

Internal Assessment (IA)	Mid Term Test (MTE)	End Term Test (ETE)	Total Marks
20	30	50	100

