

**Learning Outcome based Curriculum Framework
(LOCF)
Maharaja Ganga Singh University, BIKANER**

**For
Master of Arts (M.A.) Economics
(Semester Scheme)
Postgraduate Programme
(Effective from Academic Year 2024-25)**

Semester I and II: 2024-25

Semester III and IV: 2025-26



SYLLABUS

SCHEME OF EXAMINATION AND COURSES OF STUDY

Background

Considering the curricular reforms as instrumental for desired learning outcomes, Maharaja Ganga Singh University made a rigorous attempt to revise the curriculum of postgraduate programmes in alignment with National Education Policy-2020 and UGC Quality Mandate for Higher Education Institutions. The process of revising the curriculum could be prompted with the adoption of ‘Comprehensive Roadmap for Implementation of NEP. The roadmap identified the key features of the Policy and elucidated the Action Plan with well-defined responsibilities and indicative timeline for major academic reforms. The University Grants Commission (UGC) has devised a series of regulations and directives over time with the intention of enhancing the higher education system's quality and enforcing minimum standards in Higher Educational Institutions (HEIs) throughout India. The recent academic reforms suggested by the UGC have contributed to an overarching enhancement of the higher education system.

With NEP-2020 in background, the revised curricula articulate the spirit of the Policy by emphasizing upon- integrated approach to learning; innovative pedagogies and assessment strategies; multidisciplinary and cross-disciplinary education; creative and critical thinking; ethical and constitutional values through value-based courses; 21st century capabilities across the range of

disciplines through life skills, entrepreneurial and professional skills; community and constructive public engagement; social, moral and environmental awareness; exposure to Indian economic knowledge system, cultural traditions and classical literature through relevant courses offering 'Knowledge of India'; fine blend of modern pedagogies with indigenous and traditional ways of learning; flexibility in course choices; student-centric participatory learning; imaginative and flexible curricular structures to enable creative combination of disciplines for study; offering multiple entry and exit points, integration of extracurricular and curricular aspects; exploring internships with local industry, businesses; closer collaborations between industry and higher education institutions for technical and economic programmes; and formative assessment tools to be aligned with the learning outcomes, capabilities, and dispositions as specified for each course. The University has also developed consensus on adoption of Blended Learning with component of online teaching and face to face classes for each programme.

Programme Outcome

Mission

Develop a knowledgeable, transparent and committed work force and responsible citizens for good governance in the nation building.

Objective

Program Objective:

To help students acquire the skills they need to be globally competitive in research, teaching, and innovation while upholding human values.

Program Outcomes (PO)

On completing Master in Faculty of Arts, the students shall be able to realize the following outcomes:

PO	Description
PO1	Develop ethical, moral and social values to make good human being for society.
PO2	Understand scientific thought for all aspect in social life.
PO3	Develop the problem solving thinking with subject specific knowledge.
PO4	Demonstrate highest standards of Actuarial ethical conduct and Professional Actuarial behavior, critical, interpersonal and communication skills as well as a commitment to life-long learning.
PO5	Developed various communication skills such as reading, listening, speaking, etc., which will help express ideas and views clearly and effectively.
PO6	Develop entrepreneurship skill.
PO7	To familiarize students with the basic concepts of research on the postgraduate level before heading towards higher dimensions of research.
PO8	Provide basic knowledge on the identification of research problem.

Program Specific Outcomes (PSO)

On completing M.A. in Economics, the students shall be able to realize the following outcomes:

PSO	Description
PSO1	Be competent to success in various national exams as NET-JRF, Banking, Finance etc. for higher education and professional career.
PSO2	Understand the basics of Micro and macro economics and their applications.
PSO3	Apply their knowledge and skill in the development of field of public finance and banking catering to the needs of banking and finance sector
PSO4	Use their knowledge to start new dimension in the interdisciplinary field of research or teaching.
PSO5	Can create startups in all areas of industry and business.
PSO6	Excel in the multidisciplinary aspects of economics.
PSO7	To understand the preparation of Dissertation/ Project Work to understand research environment.

Post graduate Attributes (PGA)

PGA1. Disciplinary Knowledge

PGA2. Critical Thinking

PGA3. Analytical Reasoning

PGA4. Research related skills.

PGA5. Problem solving

PGA6. Usage of modern tools

PGA7. Collaborative and Multidisciplinary Work

PGA8. Communication Skill

PGA9. Multicultural Competence

PGA10. Leadership Readiness /Qualities

PGA11. Life-long Learning

PGA12. Ethical Practices and Social Responsibility

M.A. Economics Programme (Semester wise)

Semester I										
Paper Code	Paper Name	Code	L	T	P	Total Credits	Max. Marks		Total Marks	Min. Marks Passing Marks (%)
							Internal	External		
ECO 6.0 AECT-101	Introduction to Fundamental of Economics	AEC	2	0	0	2				Non-CGPA S/NS*
ECO 6.0-DCCT-102	Microeconomic Theory	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-103	Macroeconomic Theory	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-104	Economic Statistics and mathematics - I	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-105	Public Economics -I	DCC	5	1	0	6	30	120	150	36
Total Credits						26				
Total Marks						600				

DCC: Discipline centric compulsory course. **AEC:** Ability Enhancement course. **S/NS*=** Satisfactory or Not satisfactory. A candidate shall be required to obtain 36% marks to pass in theory, practical and internals separately.

L=Lecture; T=tutorial; P=Practical. Teacher shall decide the teaching hours required for carrying out the decided Theory Lecture, Practical in the forms of lecture, tutorial and lab work as per the requirement of the study topic.

Semester II										
Paper Code	Paper Name	Code	L	T	P	Total Credits	Max. Marks		Total Marks	Min. Marks Passing Marks (%)
							Internal	External		
ECO 6.0-VACT-201	National and Human Values	VAC	2	0	0	2				Non-CGPA S/NS*
ECO 6..0-DCCT-202	Theory of Market and Distribution	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-203	Monetary Economics	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-204	Economic Statistics and mathematics - II	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-205	Public Economics - II	DCC	5	1	0	6	30	120	150	36
Total Credits						26				
Total Marks						600				

DCC: Discipline centric compulsory course. **AEC:** Ability Enhancement course. **VAC:** Value Added Course

S/NS*=Satisfactory or Not satisfactory.

A candidate shall be required to obtain 36% marks to pass in theory, practical and internals separately.

L=Lecture; **T=**tutorial; **P=**Practical. Teacher shall decide the teaching hrs required for carrying out the decided Theory Lecture, Practical in the forms of lecture, tutorial and lab work as per the requirement of the study topic.

Semester III										
Paper Code	Paper Name	Code	L	T	P	Total Credits	Max. Marks		Total Marks	Min. Marks
							Internal	External		Passing Marks (%)
ECO 6.0-SDCT-301	Basic Communication Skills or Basic Computer Course Or Seminar + Academic Writing	BCS Or BCS Or SAW	2	0	0	2				Non-CGPA S/NS*
ECO 6.0-DCCT-302	Economics of growth and development	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-303	International Trade and Finance	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DSET-304(A) or ECO 6.0-DSET-304(B)	Discipline specific elective course III(A) Labour Economics Or Discipline specific elective course III (B) Industrial Economics	DSE	5	1	0	6	30	120	150	36
ECO 6.0-DSET-305A) or ECO 6.0-DSET-305(B)	Discipline specific elective course III (A) Econometrics Or Discipline specific elective course III (B) Environment Economics	DSE	5	1	0	6	30	120	150	36
Total Credits						26				
Total Marks						600				

DCC: Discipline centric compulsory course. **SDC:** Skill development course. **DSE:** Discipline specific elective course
S/NS*=Satisfactory or Not satisfactory.

A candidate shall be required to obtain 36% marks to pass in theory and internals separately.

L=Lecture; T=tutorial; P=Practical, Teacher shall decide the teaching hrs required for carrying out the decided Theory Lecture, Practical in the forms of lecture, tutorial and lab work as per the requirement of the study topic.

Semester IV										
Paper Code	Paper Name	Code	L	T	P	Total Credits	Max. Marks		Total Marks	Min. Marks Passing Marks (%)
							Internal	External		
ECO 6.0AECT-401	Research Methodology	AEC	2	0	0	2				Non-CGPA S/NS*
ECO 6.0-DCCT-402	Indian Economic Policy	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DCCT-403	History of Modern Economic Analysis	DCC	5	1	0	6	30	120	150	36
ECO 6.0-DSET-404(A)	Specific elective course IV(A) Agricultural Economics	DSE	5	1	0	6	30	120	150	36
ECO 6.0-DSET-404(B)	Discipline specific elective course IV(B) Financial Institution and Market									
ECO 6.0-DSET-405(A)	Dissertation/Project/Field Study (DPR)									
ECO 6.0-DSET-405(B)	Internship or On-Job Experience (OJT)									
Total Credits						26				
Total Marks						600				

DCC: Discipline centric compulsory course. **SDC:** Skill development course. **DSE:** Discipline specific elective course

S/NS*=Satisfactory or Not satisfactory.

A candidate shall be required to obtain 36% marks to pass in theory and internals separately.

L=Lecture; T=tutorial; P=Practical, Teacher shall decide the teaching hrs required for carrying out the decided Theory Lecture, Practical in the forms of lecture, tutorial and lab work as per the requirement of the study topic.

Scheme of the Programme (MA in Economics)

Academic Flexibility

To enable the students, opt subjects/paper across the disciplines, the University has incorporated Academic Flexibility along with credit System at the Postgraduate Level:

Credit: A Unit by which the Course Work is measured. One credit is equivalent to one hour of teaching (Lecture or Tutorial) or two hours of Practical / Field Work per week.

Credit and Teaching Hours

1 Credit = 15 hours of teaching theory per semester

1 Credit = 30 hours of Practical /Field Work per semester

Different Categories of Courses

- **Core Course**-A course which should be studied by a student as a core requirement is termed as Core Course.
- **Elective Course** - It is a course which can be chosen from a pool of Papers/Courses.

Core Elective Course adds generic proficiency to the students, and they are for the said discipline of study.

Open Elective Courses are from the Pool of Courses that are Interdisciplinary/Multidisciplinary and can be opted by students from across the discipline. Unit means a part of the course having independent part in a course. A course shall have four units.

Internal Assessment/Continuous Assessment (For Regular Students) will be organized in a manner decided by the Institution/College as per university rules. Sessional may include One Assignment of twenty marks, One Classroom Seminar of ten marks. Pattern of the Internal Assessment will be decided by the college/institution.

Tentative Pattern of Internal Assessment

One Assignment (from anyone activity) - 20 marks

- a. Assignment related to Critical Review/Analytical Review/Case study, Logical Thinking/application of Knowledge etc.

- b. Assignment related to write up or File/Project Report/Field Work.

Classroom Seminar-

10 marks

The topics for the Seminar shall be decided by the concerned department of the college/university. From topics related to the discipline, each student shall choose one topic and prepare Seminar Presentation under the guidance of his/her mentor/teacher.

Distribution of Marks

Sessional / Internal Assessment: 30 marks

End of Semester Exam: 120 marks

Total Marks: 150 Marks

(600 Marks per Semester)

Scheme of Examination

A candidate for a pass at each of the Semester Examination shall be required to obtain at least 36% marks in total of all the papers prescribed for the examination. **However, final decision regarding scheme and paper pattern of the Examination will be taken as final as per the Affiliating University's Guideline.** Division shall be awarded at the end of the IV Semester Examination Based on the combined marks obtained in all Semester Examinations taken together.

Examination Paper Pattern at Postgraduate level (Semester System)

Section	Total Questions	Allocation of marks (question wise)	Maximum Marks	Word Limit
A	10	02	20	-
B	05	08	40	150
C	03	20	60	400
	18	Total Marks	120	

Pattern of Examination

A course will contain **five** units. The question paper shall contain three sections.

Section A (20 marks) shall contain 10 questions two from each Unit. Each question shall be of 2 marks. All the questions are **compulsory**. Section A will be prepared such that questions I through V are multiple-choice questions, while questions VI through X will be fill-in-the-blank questions.

Section B (40 marks) shall contain 5 questions (two from each unit with internal choice). Each question shall be of 8 marks. The candidate is required to answer **all 5 questions**. The answers should not exceed 150 words.

Section C (60 marks) shall contain 5 questions, one from each Unit. Each question shall be of 20 marks. The candidate is required to answer **any three** questions by selecting these three questions from different units. The answers should not exceed 400 words.

Note: The candidate is required to obtain 36% marks to pass in theory and in internal assessment separately. However, for Pass Criteria, the Guideline issued by the University shall be taken as final.

Learning Outcome Index (LOI)

Programme Outcomes (POs) and Programme Specific Outcomes (PSOs)

PO	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7	PSO-8	PSO-9	PSO-10
PO-1	✓	✓		✓	✓	✓		✓		
PO-2	✓		✓		✓		✓		✓	✓
PO-3				✓		✓	✓		✓	
PO-4	✓		✓			✓		✓	✓	✓
PO-5	✓	✓		✓		✓				
PO-6		✓			✓			✓	✓	✓
PO-7	✓		✓	✓		✓		✓	✓	
PO-8		✓			✓					✓
PO-9	✓		✓	✓		✓		✓	✓	
PO-10	✓				✓		✓	✓		✓

Core Courses (CC):

PSO	CC-1	CC-2	CC-3	CC-4	CC-5	CC-6	CC-7	CC-8
PSO-1	✓	✓		✓		✓	✓	✓
PSO-2	✓	✓	✓		✓		✓	
PSO-3	✓		✓	✓	✓	✓		✓
PSO-4		✓				✓	✓	
PSO-5	✓		✓	✓	✓		✓	✓
PSO-6	✓	✓		✓		✓		
PSO-7		✓	✓		✓		✓	✓
PSO-8			✓	✓				✓
PSO-9	✓	✓		✓	✓			
PSO-10	✓		✓	✓		✓	✓	✓

Maharaja Ganga Singh University, Bikaner

MA Economics

(Semester System)

2 years (Four Semesters)

Programme and Course Output

Programme output / aim-

After the completion of the programme , the students

1. Will be able to understand theoretical and practical aspects of Economics existing at international, national, state, and local levels which will make them aware citizens and suitable candidates for civil services.
2. Will be able to learn and demonstrate the micro and macro level, banking, and agricultural techniques through skill-oriented add-on papers and enhance their employability.
3. Will be able to analyse organizational behaviour, group dynamics, decision making, leadership and motivational aspects and to use that in professional and personal life.

SEMESTER-I (2024-25)

INTRODUCTION TO FUNDAMENTAL OF ECONOMICS

Course Code- ECO 6.0-AECT-101

Total Teaching: 30 hours

Course outcomes

1. Will be able to describe conceptual aspects of economics and its utility.
2. To provide students with a comprehensive idea about the development of Economics.

UNIT – I

Basic Economic problems, Function of an economic system.

UNIT – II

National income, Cyclic flow of income and expenditure.

UNIT- III

Structure of Indian economy- Agriculture and industrial development.

UNIT- IV

Money- concept and importance, Commercial Banking, Central Banking, Recent reform in banking sector.

UNIT- V

Role of foreign trade, Trends in exports and imports, Multinational corporations (MNCs) and their impact on Indian economy. The relevance of SWADESHI.

Books for References:

Ahuja H.L. , Advance Economic Theories, New Delhi
Gupta S.B. , Monetary Economics, New Delhi
Jhingan M. L., Macro Economics
Nathuramka L.N. , Macro Economics
Datt, R.K. , P.M. Sundhram, Indian Economy
Nathuramka L.N. , Indian Economics

Assessment and Evaluation

- Non- CGPA Courses are practice based courses having 2 Credits each and assessed internally, which shall be completely based on continuous internal assessment / Submission of a Project Report / Case Study /Assignment etc. (no examination will be conducted by the University).
- The Credit, Credit point and Grade will be reflected separately in the Mark Sheet under Non-CGPA Courses. The college will send the Satisfactory (S) or Not Satisfactory (NS) credentials of the student to the University.
- Suggestive markers for internal evaluation as mentioned in the structure of program.

MICRO ECONOMIC THEORY-I
Course Code- ECO 6.0-DCCT-102 **Total Teaching: 90 hours**

Course outcomes

1. Will be able to develop a sound understanding of the core concepts that economists use to understand the world of business, trade and public policy.
2. Will be able to familiarize with the mathematical techniques that economists routinely use in their analysis
3. Will be able to illustrate the usefulness of the abstract ideas and concepts introduced in the course with the aid of suitable applications to real world problems

UNIT – I

Introduction:

Micro Economics – Meaning, Scope, Significance and Limitations, Basic Economic Problems- Scarcity and choice. Relationship between Micro and Macro-economic analysis. Methods of Economic Analysis: Deductive and Inductive, Economic Statics and Dynamics. Positive and Nonnative Economics, Partial and General Equilibrium Analysis.

UNIT – II

Consumer Behaviour:

Cardinal and Ordinal Approaches - Indifference Curve Analysis - Definition and Properties, Consumer's Equilibrium, Price, Income and Substitution Effects, Slutsky Equation, Engel's Curve, Derivation of Demand Curve.

UNIT- III

Demand Analysis:

The Elasticity of Demand and its Types. Consumers' surplus, Marshall and Hicks Measure of Consumer surplus. Samuelson's Theory of Revealed Preference.

UNIT- IV

Supply Analysis:

Theory of Production - Production Function-short and long run Production Function, Linear Production Function, Cobb-Douglas Production Function and CES Production Function. Law of Variable Proportions and Returns to Scale.

UNIT- V

Producer Behavior:

Iso quants – Optimum Factor Combination Producer's Equilibrium, Expansion Path, Ridge Lines and Economic Region of Production. Linear programming (graphic method only).

Books for References:

- Koutsoyiannis: Modern Microeconomics, Macmillan, London.
- Robert S. Pindyck and Daniel L. Rubinfeld: Microeconomics. Pearson Education Inc., New Delhi.

- D. Salvatore: Microeconomic Theory, Oxford University Press, New Delhi.
- Hal R. Varian: Microeconomic Analysis, W.W. Norton & Company Inc., New York.
- H.L. Ahuja: Advanced Microeconomic Theory, S. Chand Publication, New Delhi.
- Bilas R.A.: Microeconomic Theory.
- Jhingan M.L.: Micro Economics.
- Barla C.S.: Advanced Micro Economics.
- K.P.M. Sundram & M.C. Vaish: Micro Economic Theory.
- Ferguson and Gould: Microeconomic Theory.
- Samuelson and Nordhaus: Economics.
- Leftwich, R.H.: The Price System and Resource Allocation.
- Stonier, A.W. & D.C. Hague: A Text Book of Economic Theory.
- Hirschleifer J and A. Glazer (1997): Price Theory and Applications, Prentice Hall of India, New Delhi.
- Stigler, G (1996): Theory of Price, Prentice Hall of India, New Delhi.
- Arthur O Sullivan Micro Economics principles Applications and tools Pearson Publication. Delhi
- D.N. Dwivedi (2011) Micro Economics - Pearson Publication new Delhi.
- Sen, A. (1999): Micro Economics: Theory and Applications, Oxford University Press, New Delhi.
- Misra S.K. and V.K. Puri (2001): Advanced Microeconomic Theory, Himalaya Publishing House, New Delhi.
- Kreps, David, M (1990): A Course in Microeconomic Theory, Princeton University Press.
- Rubinfeld Pindyck: Microeconomic Theory and application, 7th edition, Pearson Education New Delhi.
- Varian, Hal (1996): Intermediate Microeconomics, W.W. Norton and Company, New York.

MACRO-ECONOMIC THEORY

Course Code- ECO6.0-DCCT-103

Total Teaching: 90 hours

Course outcomes

1. Will be able to determine what causes aggregate output and employment levels in an economy to fluctuate/change over time in the context of the real economy and will enable them to evaluate various macroeconomic policies.
2. Will be able to determine how effective are government policies in stabilizing the economy and/or generating steady growth in the context of the real economy and will enable them to evaluate various macroeconomic policies.

UNIT – I

Introduction:

Nature of Macro Economics. Fallacy of composition. Basic Concept of Macro Economic Model (types), Stock and flow variables and their inter-relationship, Difference between micro and macroeconomics. Macro-Economic Policy-objectives, instrument and constraints.

UNIT – II

National Income:

National income- Concepts, Components, Measurement, Inter- relationship between three measures of national income; National Income Deflator Measurement of economic welfare.

UNIT- III

Theories of Employment:

Classical model of Determination of level of output, Employment, Prices, Rate of Interest and wage rates, Criticism against classical theory. Keynesian Model of Determination of Income: Partial Equilibrium analysis and General Equilibrium analysis (combination of product market and money market). Keynes Vs. Classical.

UNIT- IV

Consumption & Investment Function:

Consumption function – Determinants, Consumption function hypotheses: Absolute, Relative, Permanent income hypotheses and Life cycle hypothesis; Investment- Types of Investment- Determinants of Investment -Marginal efficiency of capital (MEC)-Supply price of capital (SP), Prospective yield of capital (PY)-Investment function- Neo-classical theory of investment, Stock market and Tobin's Q-ratio and Neo – Keynesian theory of investment .

UNIT- V

Investment Multiplier:

Multiplier analysis in four sector economy and Balanced Budget multiplier. Concept of accelerator and Super Multiplier

Books for References:

- Errol D' Souza, Macroeconomics, Person Education.
- Richard. T. Froyen, Macro Economics: Theories and Policies, Pearson Education.
- P. Edgmond, Macroeconomics, PHI, New Delhi.
- Gregory Minkiw, Macroeconomics, CBS Publishers, New Delhi.
- Robert J Gorden, Macroeconomics, Harper Collins.
- Dasgupta, A. K., Macroeconomics Analysis, New Delhi.
- Ahuja, H. L., Advanced Macroeconomic Theory (Hindi), S. Chand Publication, New Delhi.
- Rana, K. C. & Verma, K. N., Macro Economic Analysis (Hindi), Vishal Publishing Company, Jalandhar.
- Ackley, G. : Macroeconomic: Theory and Policy.
- Shapiro, E. Macroeconomics Analysis.
- Branson, W.H. : Macroeconomics: Theory and Policy.
- Vaish, M.C. Macroeconomics.
- Mueller, M.G. : Readings in Macroeconomics.. Dornbush and Fisher: Macroeconomics
- Romer D. : Advance Macro Economics

- Gupta G.S.: Macro Economics Theory and Application
- Jhingan M.L.: Macro Economics
- Ahuja H.L. : Macro Economics
- Lekhi R.K. : Post Keynesian Economics

References:

1. Dornbusch, Fischer and Startz, 2012, Macroeconomics, 10th Editions, McGraw Hill Education Pvt. Ltd. New Delhi.
2. Heijdra, Ben J. and Frederick Van Der Ploeg. 2002, Foundations of Modern Macroeconomics. Oxford University Press, Oxford.
3. Romer, David, 2012, Advanced Macroeconomics, McGraw-Hill. Fourth Edition.
4. Wickens, Michael, 2011, Macroeconomic Theory and the Dynamic General Equilibrium Approach, Princeton University Press.
5. Wendy Carlin & David Soskice, 2006, Macroeconomics- Imperfections, Institutions and Policies- Oxford University Press (2006).
6. Olivier Blanchard – Macroeconomics, Pearson, Seventh Edition (2017)

ECONOMIC STATISTICS AND MATHEMATICS -1

Course Code- ECO 6.0- DCCT-104

Total Teaching: 90 hours

Course outcomes

1. The approach of the course will be analytical, helping students for modeling and analyzing economic problems.
2. Will be able to acquire of some mathematical sophistication, in understanding and writing proofs.
3. Will be able to understand the main optimization and other tools used in a variety of economic applications

Unit -1

Nature and use of statistical analysis in organizing data and testing hypothesis. Frequency distribution and graphs. arithmetic and geometric mean, mode.

Unit -11

Median and Quartile. Measures of dispersion, Quartile deviation, mean deviation and standard deviation.

Unit -111

Skewness, Introduction to binomial and normal distribution.

Unit -1V

Correlation and regression. Calculation of regression coefficients.

Unit -V

Differentiation and integration of functions of single variable. Partial derivative of simple functions of two variables.

Suggested Books

1. Croxton, Cowden and Klien: Applied General Statistics.
2. R.G.D. Allen Mathematical Analysis for Economics (Relevant parts of chapters 5, 6,7 and 18)
3. Alpha c. Chiang: Fundamental methods of Mathematical Economics.
4. S.P.Gupta: Statistical Methods.
5. Mehta, B.C. and G.M.K. Madani: Mathematics for economists.
6. National Accounts statistics: Sources and Methodology, CSO, Latest
7. Nagar Kailashnath-Elements of Statistics
8. Nathuramka L.N.- Use of mathematics in Economics.
9. Gokhroo D.C.- Mathematics for Economists.
10. Gupta S.C: Fundamentals of applied Statistics, S.Chand and sons, New Delhi.

PUBLIC ECONOMICS

Course Code- ECO 6.0-DCCT-105

Total Teaching: 90 hours

Course outcomes

1. Will be able to familiarize themselves with important theoretical results in this area and with empirical trends in public spending across the world
2. Will be able to develop their writing skills to express ideas within this field to popular readers

UNIT – I

Introduction:

Nature and Scope of Public and Private Finance, Role of Government in the Economic Activity- Private, public and merit goods. Optimal budgeting. Theory of Externalities – External Benefits and Cost- Correction of Externalities, Principle of Maximum Social Advantage.

UNIT – II

Public Expenditure:

Effects of public expenditure on production and distribution. Economic and functional

classifications of government budget current General Budget Major trends in public expenditure in India (Growth and composition) Bowen, Lindhal and Samuelson's Models, Wagner's Law of Increasing State Activities, Weisman Peacock Hypothesis.

UNIT- III

Public Revenue:

Public Revenue - Taxation - Canons of Taxation, Justice in Taxation, equi-absolute equi-proportional and equi-marginal sacrifice principle. The incidence of taxation under Monopoly and Perfect competition. Benefit & Ability to Pay Approaches. Effects of commodity taxation on production via relative price and resource allocation.

UNIT- IV

Tax System:

Direct and Indirect taxes – Effects of Direct Tax on Production (viz. Labour Supply and Saving Rate) and Distribution, Effects of direct taxation on distribution of income and wealth. Effects of Indirect Tax on Production, Progressiveness of a Tax System and its Measurement.

UNIT- V

Indian tax system:

Salient features of the Indian tax system. Major taxes, main trends in the revenues of the Central and State Governments in India. Major changes in the tax structure of a developing economy with special reference to India. Non-tax revenues. Profits from Public Enterprises.

Books Recommended: -

- R.A. Musgrave and P.B. Public Finance in Theory and practice, New York McGraw-Hill.
- R.A. Musgrave: Theory of Public Finance McGraw-Hill.
- S. Ganguli: Public Finance, The World Press Private Limited.
- John Callis and Phillip Jones, Public Finance and Public Choice, Oxford University Press.
- Harvey Rosen, Public Finance, McGraw Hill Publications.
- David N. Hyman, Public Finance – A Contemporary Applications of Theory to Policy, Thomson South Western.
- R.K. Lekhi, Public Finance, Kalyani Publishers.
- Chelliah and Kelkar Committee Reports.
- Prem Prakash Sharma: Principle of Public Finance, Hindi Granth Academy, Jaipur (Hindi).
- Tilak Narain Hajela : Principle of Public Finance (Hindi)
- Bhatia, H.L. : Public Finance.
- Govt. of India : Reports of Finance Commissions

SEMESTER-II (2024-25)

NATIONAL AND HUMAN VALUES

Course Code- ECO 6.0- VACT 201

Total Teaching: 30 hours

Course outcomes

1. Will be able to understand the national and Human Values enshrined in our constitution.
2. Attain the civic skills enabling him /her to become a well –behaved citizen of the country.
3. Imbibe and spread the feelings of devotion and dedication.

UNIT – I

Importance of Discipline in life, Duty and discipline,

UNIT – II

Constitutional Values

UNIT- III

The preamble and Values, Value System- The Role of Culture and Civilization – Holistic living, Salient Values for Life- Truth, Commitment, Honesty and Integrity, Care, and Unity

UNIT- IV

National Integration - Peace, Non –violence and Security (in context of Gandhi, Deen Dayal Upadhyaya)

UNIT- V

New Welfare Economics, Social Welfare Function, Social Values and Welfare of the Citizen.

Books & References:

NCERT: Education in Values, New Delhi 1992
M.G.Chitakra: Education and Human Values
India. Gov.in

Assessment and Evaluation

- Non- CGPA Courses are practice based courses having 2 Credits each and assessed internally, which shall be completely based on continuous internal assessment / Submission of a Project Report / Case Study /Assignment etc. (no examination will be conducted by the University).
- The Credit, Credit point and Grade will be reflected separately in the Mark Sheet under Non-CGPA Courses. The college will send the Satisfactory (S) or Not Satisfactory (NS) credentials of the student to the University.
- Suggestive markers for internal evaluation as mentioned in the structure of program.

THEORY OF MARKET AND DISTRIBUTION

Course Code- ECO 6.0-DCCT-202

Total Teaching : 90 hours

Course outcomes

1. Will be able to understand cost and revenue analysis, market equilibrium, competition and models
2. Will be able to comprehend theories of distribution and market price determination

UNIT – I

Cost and Revenue Analysis:

Cost Analysis - Short-run and Long-run cost functions and curves. Prime and Supplementary Costs- Total, Average and Marginal Cost Curves, Incremental and Marginal Costs. Revenue Analysis - Total, Average and Marginal Revenue, Average and Marginal Revenue Curves under different market conditions.

UNIT – II

Perfect Market Equilibrium:

Perfect and imperfect market, Perfect Competition - Prices and Output determination. Short and Long-run Equilibrium of the firm and Industry, Monopoly – Short and Long-run Equilibrium, Discriminating Monopoly - Definition and Equilibrium under Discriminating Monopoly.

UNIT- III

Imperfect Market Equilibrium:

Monopolistic Competition - Chamberlain's Approach- Equilibrium of the firm and group with product Differentiation and Selling costs. Theory of Excess Capacity, Simple and differentiated Oligopoly, Sweezy Model of kinked Demand curve, Price - rigidity. Collusive Model, Market sharing cartels and Price-leadership.

UNIT- IV

Theories of Distribution:

Factor demand and factor supply, Marginal Productivity Theory, factor price determination under perfect and imperfect competition, Modern theories related to the determination of Rent, Wages, Interest and Profit. Euler's theorem.

UNIT- V

Welfare Economics

Pareto optimality conditions for welfare. New Welfare Economics, Social Welfare Function, compensation criteria. Theory of the second best.

Books & References:

- Koutsoyiannis: Modern Microeconomics, Macmillan, London.
- Robert S. Pindyck and Daniel L. Rubinfeld: Microeconomics. Pearson Education Inc., New Delhi.
- D. Salvatore: Microeconomic Theory, Oxford University Press, New Delhi.
- Hal R. Varian: Microeconomic Analysis, W.W. Norton & Company Inc., New York.
- H.L. Ahuja: Advanced Microeconomic Theory, S. Chand Publication, New Delhi.
- Bilas R.A.: Microeconomic Theory.
- Jhingan M.L.: Micro Economics.
- Barla C.S.: Advanced Micro Economics.
- K.P.M. Sundram & M.C.Vaish: Micro Economic Theory.
- Ferguson and Gould: Microeconomic Theory.
- Samuelson and Nordhaus: Economics.
- Leftwich, R.H.: The Price System and Resource Allocation.
- Stonier, A.W. & D.C. Hague: A Text Book of Economic Theory.
- Hirschleifer J and A. Glazer (1997): Price Theory and Applications, Prentice Hall of India, New Delhi.
- Stigler, G (1996): Theory of Price, Prentice Hall of India, New Delhi.
- Arthur O Sullivan Micro Economics principles Applications and tools , Pearson Publication. Delhi
- D.N. Dwivedi (2011) Micro Economics - Pearson Publication , New Delhi.
- Sen, A. (1999): Micro Economics: Theory and Applications, Oxford University Press, New Delhi.
- Misra S.K. and V.K. Puri (2001): Advanced Microeconomic Theory, Himalaya Publishing House, New Delhi.
- Kreps, David, M (1990): A Course in Microeconomic Theory, Princeton University Press.
- Rubinfeld Pindyck: Microeconomic Theory and application, 7th edition, Pearson Education New Delhi.
- Varian, Hal (1996): Intermediate Microeconomics, W.W. Norton and Company, New York.

MONETARY ECONOMICS**Course Code- ECO6.0-DCCT-203****Total Teaching : 90 hours****Course outcomes**

1. Will be able to Understand monetary theories of demand for money
2. Will be able to Analyse transmission mechanism of monetary policy, Comprehend and analyse the impact of monetary policy on the economy
3. Will be able to Compare impact of monetary rules vs discretionary policy
4. Will be able to Understand monetary policy strategies.

UNIT – I

Demand for Money :

Classical, Keynesian, and Post Keynesian theories of demand for money- Inventory theory of Baumol and Portfolio balance theory of Tobin; The traditional version of quantity theory of Money. Restatement of quantity theory of money by Milton Friedman and Patinkin's Theory for money demand.

UNIT – II

Supply of Money:

Supply of money- Components of money supply; Measures of money supply: M1, M2, M3 and M4- Determinants of Money Supply- Classical approach, Cambridge approach, Keynesian approach, Liquidity preference theory, High- powered money & money multiplier and Theories of money-supply. IS-LM Analysis.

UNIT- III

Inflation:

Classical, Keynesian and Monetarist Approaches to Inflation and Policies for Control Inflation; Phillips Curve, Analysis; Expectation Augmented Phillips Curve Analysis; Natural Rate of Unemployment Hypothesis. Role of RBI in Inflation Control, Credit Control and Economic Stability

UNIT- IV

Business Cycles:

Nature and phases of trade cycle. Theories of Trade Cycles - Hicks, Schumpeter, and Samuelson. Hawtray's Monetary Theory, Hayek's Over investment theory. Keynes view of Trade Cycle, Control of Trade Cycles.

UNIT- V

Commercial and Central Banking:

Definition, functions and importance of commercial banks. Credit and Credit Creation, banking system reforms. Role, objectives and functions of a Central Bank, methods of credit control, credit control policy of Reserve Bank of India, Objectives and tools of Monetary Policy. The choices of targets: Intermediate and final targets. The monetarists and Keynesian controversy. The Transmission Mechanism. Fleming Mundell open Economy Model.

Books for References:

- Suraj B. Gupta: Monetary Economics, Institutions, Theory and Policy, S. Chand and Company.
- Keith Bain and Peter Howells: Monetary Economics, Policy and its Theoretical Basis.
- M.L. Seth: Monetary Economics.
- Errol D' Souza, Macroeconomics, Person Education.
- Richard. T. Froyen, Macro Economics: Theories and Policies, Pearson Education.
- P. Edgmond, Macroeconomics, PHI, New Delhi.
- Gregory Minkiw, Macroeconomics, CBS Publishers, New Delhi.
- Robert J Gordon, Macroeconomics, Harper Collins.
- Dasgupta, A. K., Macroeconomics Analysis, New Delhi.
- Ahuja, H. L., Advanced Macroeconomic Theory (Hindi), S. Chand Publication, New Delhi.

- Rana, K. C. & Verma, K. N., Macro Economic Analysis (Hindi), Vishal Publishing Company, Jalandhar.
- Ackley, G. : Macroeconomic: Theory and Policy.
- Shapiro, E. Macroeconomics Analysis.
- Branson, W.H. : Macroeconomics: Theory and Policy.
- Vaish, M.C. Macroeconomics.
- Mueller, M.G. : Readings in Macroeconomics.. Dornbush and Fisher: Macroeconomics
- Romer D. : Advance Macro Economics
- Gupta G.S.: Macro Economics Theory and Application
- Jhingan M.L.: Macro Economics
- Ahuja H.L. : Macro Economics
- Lekhi R.K. : Post Keynesion Economics

ECONOMIC STATISTICS AND MATHEMATICS -II

Course Code- ECO 6.0-DCCT-204 Total Teaching : 90 hours

Course outcomes

1. Will be able to learn exposure to a selection of basic mathematical tools that are used by economic theorists
2. Will be able to apply these methods to some areas of economic theory including Probability, Bays's theorem and sample tests based on t, F and Z Test.

Unit-1

Interpolation, Binomial expansion, Lagrange's and newton's methods, Association of attributes (between two attributes)

Unit-2

Index numbers, Analysis of time series, chi-square test.

Unit-3

Definitions of Probability, laws of addition and multiplication, conditional probability. Bays's theorem and it's application.

Unit-4

Large sample tests and small sample test based on t, F and Z Test.

Unit-5

Maxima and minima of functions of one variable, Addition, Subtraction, Multiplication of matrices and inverse of matrices, Determinants and their properties, Solution of simultaneous equation through crammer's rule.

Suggested Books

1. Croxton, Cowden and Klien: Applied General Statistics.
2. R.G.D. Allen Mathematical Analysis for Economics (Relevant parts of chapters 5, 6, 7 and 18)
3. Alpha c. Chiang: Fundamental methods of Mathematical Economics.
4. S.P. Gupta: Statistical Methods.

- 5.Mehta, B.C. and G.M.K. Madnani: Mathematics for economists.
- 6.National Accounts Statistics: Sources and Methodology, CSO, Latest
- 7.Nagar , Kailash nath- Elements of Statistics
- 8.Nathuramka L.N.- Use of Mathematics in Economics.
- 9.Gokhroo D.C.- Mathematics for Economists.
- 10.Gupta S.C: Fundamentals of Applied Statistics, S.Chand and sons, New Delhi.
11. Speial M.R.(1992) Theory and Problems of Statistics.

PUBLIC ECONOMICS - II

Course Code- ECO 6.0-DCCT-205

Total Teaching: 90 hours

Course outcomes

1. will be familiar with important theoretical results including Theory of public debt, budgeting and federal finance in this area
2. will be able to learn about various policies and recent tax reforms in India
3. will be able to develop their writing skills in this field

UNIT – I

Public Debt:

Theory of public debt, Economic effects of large public debt. Loans and savings as source of finance for development, internal and external public debt of India.

UNIT – II

Budgeting:

Public Budgets – Kinds of Budgets, Optimal Budgeting, Balanced and Unbalanced Budgets – Deficit Financing, Performance and Programming Budgeting, Zero Base Budgeting.

UNIT- III

Theory of Federal Finance:

Financial relations between the central and state Governments in India. Major criteria for allocation of central transfers in the Report of the Finance Commission. N.D.C. formula for Plan Allocation, Main recommendations of latest Finance Commission. Pricing policy in public enterprises, disinvestment and privatization of public enterprises in India.

UNIT- IV

Fiscal Policy:

Fiscal policy for developing economies: Arguments and prospects for resource mobilization by direct and indirect taxation. Borrowing as means of financing. Recent fiscal policy of India. Salient feature of State Finance in Rajasthan.

UNIT- V

Recent Tax Reforms in India:

Recent tax reforms in India, Recommendation of Raja J. Chelliah Committee and Kelkar Committee. Direct tax code and GST. State finances of Rajasthan – trend and composition of revenue and expenditure.

Books Recommended: -

- R.A. Musgrave and P.B. Public Finance in Theory and practice, New York McGraw-Hill.
- R.A. Musgrave: Theory of Public Finance McGraw-Hill.
- S. Ganguli: Public Finance, The World Press Private Limited.
- John Callis and Phillip Jones, Public Finance and Public Choice, Oxford University Press.
- Harvey Rosen, Public Finance, McGraw Hill Publications.
- David N. Hyman, Public Finance – A Contemporary Application of Theory to Policy, Thomson South Western.
- R.K. Lekhi, Public Finance, Kalyani Publishers.
- Chelliah and Kelkar Committee Reports.
- Prem Prakash Sharma: Principle of Public Finance, Hindi Granth Academy, Jaipur (Hindi).
- Tilak Narain Hajela : Principle of Public Finance (Hindi)
- Bhatia, H.L. : Public Finance.
- Govt. of India : Reports of Finance Commissions.

SEMESTER-III

Course Code- ECO 6.0 SDCT 301

Total Teaching : 30 hours

Basic Communication Skills

or

Basic Computer Course

or

Seminar + Academic Writing

Course outcomes

1. Will be able to describe various constitutional obligations, value premises, transparency measures and problematic issues of Indian economy.
2. Will be able to analyse the issues and challenges of basic Communication Skills related to Indian Economy .
3. Will be able to Communicate concepts, graphically, mathematically and in writing, to a professional standard.

Basic Communication Skills

or

Basic Computer Course

or

Seminar+AcademicWriting

Assessment and Evaluation

- Non- CGPA Courses are practice based courses having 2 Credits each and assessed internally, which shall be completely based on continuous internal assessment / Submission of a Project Report / Case Study /Assignment etc. (no examination will be conducted by the University).
- The Credit, Credit point and Grade will be reflected separately in the Mark Sheet under Non-CGPA Courses. The college will send the Satisfactory (S) or Not Satisfactory (NS) credentials of the student to the University.
- Suggestive markers for internal evaluation as mentioned in the structure of program.

ECONOMICS OF GROWTH AND DEVELOPMENT

Course Code- ECO 6.5-DCCT-302

Total Teaching: 90 hours

Course outcomes

1. Will be able to understand theories of growth and development, social and institutional aspects of development, importance of agriculture, and the rationale and pattern of industrialization in developing countries
2. Will be able to learn other important issues in the context of development such as infrastructure-linkages, role of international trade, importance of domestic macroeconomic policies, investment criteria, and relevance of planning have been included in the modules of this paper

UNIT – I

Economic growth and development , Factors affecting economic growth : capital, labour and technology; Theories of Development Classical theory of development , contributions of Adam Smith, Ricardo, Malthus and James Mill; Karl Marx and development of capitalistic economy , theory of social change, surplus value and profit; Immutable laws of capitalist development;

UNIT – II

Development and underdevelopment, Perpetuation of underdevelopment; Poverty — Absolute and relative; Measuring development and development gap , Per capita income, inequality of income, Human development index and other indices of development and quality of life , Food security, education, health and nutrition; Economic development and institutions , markets and market failure, state and state failure, issues of good governance.

UNIT – III

Growth models — Harrod and Domar, instability of equilibrium; Neo-classical growth models — Solow and Meade, Mrs. Joan Robinson's growth model. Approaches to Development Partial theories of growth and development , vicious circle of poverty, circular causation, unlimited supply of labour, big push, balanced growth, unbalanced growth, critical minimum effort thesis.

UNIT – IV

Role of agriculture in economic development; Efficiency and productivity in agriculture, New technology and sustainable agriculture; Rationale and pattern of industrialization in developing countries; Efficiency of small-scale vs. large-scale production; Terms of trade between agriculture and industry; Infrastructure and its importance.

Trade and Economic Development International trade as engine of growth; Static and dynamic gains from trade.

UNIT – V

Macroeconomic Policies and Development Role of monetary and fiscal policies in developing countries , Prior savings, inflation and growth , Empirical evidence; External resources , FDI, aid vs. trade, technology inflow; MNC activity in developing countries; Borrowings ,domestic and external; Burden of borrowing , IMF and World Bank policies in developing countries.

Books Recommended: -

1. Behrman, S. and T.N. Srinivasan , Handbook of Development Economics, Vol. 3, Elsevier, Amsterdam
2. Kindleberger, C.P., Economic Development, (3rd Edition), McGraw Hill, New York.
3. Lewis, W.A. : Development Planning
4. Meier, G. : Leading Issues in Economic Development
5. Kuznets, S. : Modern Economic Growth
6. Sen, A. K.: Growth Economics
7. P. Bardhan and T. N. Srinivasan : Poverty and Income Distribution in India.
8. Bhagwati and Desai: Indian Planning for Industrialisation.
9. Eicher C. and L.W.Win : The Role of Agriculture in Economic Development.
10. Adelman, I: Theories of Economic Growth and Development.
11. Chakravarty, S : Alternative Approaches to a Theory of Economics Growth.
12. Jones,H.G.: An Introduction to the Modern Theories of Economic Growth.
13. Chenery, H.B.: Redistribution with Growth.
14. Ghatak, S. : An Introduction to Development Economics.
15. Todaro, M.P., Economic Development.

INTERNATIONAL TRADE AND FINANCE**Course Code- ECO 6.0-DCCT-303****Total Teaching: 90 hours****Course outcomes**

1. Will be able to recognize key concepts, theories and models, Apply tools to the analysis of a variety of real world events, empirical trends and policy.
2. Will be able to Communicate concepts, graphically, mathematically and in writing, to a professional standard.
3. Will be able to Evaluate real world events and illustrate their arguments in terms of relevant models

Unit -I

Pure theory of Trade- classical theory, comparative advantages, Views of Adam Smith, Mill Ricardo and Haberler.

Unit -II

Heckscher -Ohlin theory and factor price equalization. Effects of growth on production, consumption and terms of trade.

Unit -III

Reciprocal demand and offer curves, general equilibrium of production, consumption and trade, gains from trade. Reasons for rejection of free trade. Free trade vs Protection. Tariffs and other trade restrictions.

Unit- IV

Trade problem of developing countries. Trade and economic development. Terms of Trade. Import substitution vs export promotion. International trade institutions GATT, WTO, UNCTAD, World Bank.

Unit- V

Balance of payments, Causes of disequilibrium and Remedies. Devaluation and Marshal Learner conditions. Determination of exchange rates, fixed and flexible exchange rates. Balance of payment and national income multiplier, price effects of exchange rates, elasticity approach and absorption approach.

Suggested books

1. Kindelberger : International Economics (5th Ed.)
2. Bhagwati J: International Economics (Penguin)
3. Grubel: International Economics
4. Vaish and Sudama Singh: International Economics
5. Salvatore D: International Economics
6. H.G. Mannur: International Economics- theory and policy issues. (Vikas)
7. K.D. Swami, R.L. Sharma: International Economics
8. Jhingan M.L : International Economics.
9. Krugman P.R, Obstfeld M.: International Economics Trade and Policy.

Discipline Specific Elective Course III (A)

LABOUR ECONOMICS

Course Code- ECO 6.0-DSET-304

Total Teaching: 90 hours

Course outcomes

1. Will be able to learn basic economic forces behind employment and wages, sources of labour market imperfections.
2. Will be able to learn driving forces for education and skill up gradation, discrimination among the workers and public policies for labour welfare.

UNIT – I

Introduction.

Salient features of Trade Union in General; Functions, Structures and Finances of Trade Union. Major trade unions; Salient features of trade union in UK and USA. Employers organization in India. Functions and Achievements of International Labour Organization; ILO and India.

UNIT – II

Labour Market

Characteristics of Labour Market, Wage Theories; Marginal Productivity, Demand and Supply and Collective Bargaining. Problems of Collective Bargaining in India. Industrial dispute : Prevention and Settlement. Negotiation and collective agreements.

UNIT- III

Wages

Wage Payment: Methods of wages payment, Incentive wage payment, system of wages payment in India. Exploitation of Labour, Causes of wages differentials, economy of high wages.

UNIT- IV

Organization

Organization, Functions and Achievements of Employment Service, Organization in UK and USA (in general). Methods of labour recruitment in India, National Employment Service Organization in India. Man Power Planning in India.

UNIT- V

Labour Legislation

Factory Legislation and Labour Welfare: Main features of present legislation in India. Social Security in the UK, USA and India (in general). Labour Welfare in India: Policy and Measures.

SUGGESTED BOOKS

- Paul Sultan: Labour Economics, Henry Holt.
- Gitlow, A.L. : Labour and Industrial Society.
- Peling, H. : A History of British Trade Unionism.
- Sinha, G.P. and Sinha P.R.N. : Industrial Relations and Labour Legislation, Oxford RH.
- Pant, S.C. : Indian Labour Problems.
- Puneekar and Nadhuri : Trade Union Leadership in India.
- Herold Orouch: Trade Union and Politics in India.
- Millen, H. : The Political Role of Labour in Developing Countries
- Collective Bargaining: A Workers Education Manual (ILO)
- Flanders, A (ed.) : Collective Bargaining.
- Johari, C.K. : Unionism in a developing economy.
- Yoder, D. and Heneman : Labour Economics and Industrial Relations, South Western Publishing CO.
- Carter, AM. : Theory of Wages and Employment.
- Gitlow, AL. : Labour and Industrial Society.
- Singh, V .B. (ed.) : Industrial Labour of India.
- Bloom and Northrup: Economics of Labour Relations.
- Sindha, M.R. (ed.) : The Economics of Manpower Planning.
- Nigam, S.B.L. State Regulation of Minimum Wages.
- Polkar, S.A : Problems of Wage Policy for Economic Development.
- Johari, C.K. (ed.) : Issue in Indian Labour Policy.

Reference Books :

- Datt, G (1996), Bargaining Power, Wages and Employment : An Analysis of Agricultural, Labour : Markets in India : Sage Publications, New Delhi
- Hajela, P.D.(1998), Labour Restricting in India : A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
- Jhabvala, R.and R.K. Subrahmanya (Eds) (2000), The Unorganised Sector :Work Security and Social Protection : Sage Publications, New Delhi.
- Lester, R.A.(1964), Economics of Labour (2nd Edition), Miacmillan, New York.
- McConnell, C.R. And S.L. Brue (1986), Contemporary Labour Economics, McGraw-Hill, New York.
- Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds)(1993). Labour, Employment and Industrial Relations in India, B.R. Publishing Corporation, New Delhi.
- Rosenberg M.R. (1988), Labour Markets in Low Income Countries in Chancery,
- T.N. Srinivasan (Eds) The Handbook of Development Economics NorthHolland, New York.
- Venkata Ratnam, C.S.(2001), Globalization and Labour- ManagementRelations : Dynamics of Changes, Sage Publications/Response Books, New Delhi.
- T.N. Bhagoliwal : (2011) Sahitya Bhavan Publications, Agra.
- Pratiyogita Darpa New Delhi (2015).- General Studies
- Ramesh Singh(2015) -Indian Economy McGraw-Hill Education New Delhi

or

Discipline Specific Elective Course III (B)

INDUSTRIAL ECONOMICS

Course Code- ECO 6.5- DSET-304

Total Teaching: 90 hours

Course outcomes

1. Will be able to think analytically, using theoretic tools, about the principal issues concerning industrial growth and productivity , competition and apply them to the real world of industry
2. Will be able to understand Industrial concentration and policy towards industrial concentration more naturally and foundationally.

UNIT – I

Introduction

Nature and scope of Industrial Economics. The theory of the industrial firm. Profit maximization versus other objectives of the industrial firm. Economies of scale of plant and the firm. Industrial Capital budgeting and financing.

UNIT – II

Productivity

Concepts of Productivity and Cost - Their measurement, Reasons for productivity and cost differences between firms and industries. Introduction to the calculation and use of industrial input-output system.

UNIT- III

Industrial growth in India

Industrial growth in India. Structure of industrial growth: Rates and Pattern of Growth. Industrial Planning in India, Policies of self-reliance, import substitution and foreign collaboration.

UNIT- IV

Industrial Concentration

Industrial concentration and policy towards industrial concentration. Public sector industries: Growth, Structure, Problems of Public sector, Management, Pricing and overall efficiency. Regional distribution and industrial sickness, construction of economic power: MRTP Act, MNC's and their impact on Indian Economy.

UNIT- V

Industrial Progress in Rajasthan

Industrial Progress in Rajasthan since 1956, Policy and programmes to promote large and small scale industries, critical assessment of industrial development during plans.

SUGGESTED BOOKS

- Robinson, E.A.G. : Structure of Competitive Industry (EH).
- Leftwich, R.N. : The Price System and Resources Allocation.
- Kuchhai : Industrial Economy of India.
- Bain, J.S.. : Industrial Organization, II ed. 1958.
- Mehta, M.M. Measurement of Industrial Productivity.
- Walter, Israd :Methods of Regional Analysis - An Introduction to Regional Science.
- John, W. : Kendrick : Productivity Trends in the United States,1961, Introduction and Chap. I.
- Utton, M.N. : Industrial Concentration, 1970.
- Sen, A.K. : choice of Techniques, An Aspect of the Theory of Planned Economic Development, III ed., 1968.
- Sinha and Sawhney : Wages and Productivity in Selected Indian of Industries, 1970, Chap. 1-3
- Due, John F. & Frielande : Government Finance, Economies of the Public Sector, 4th ed., Irwin, 1969.
- Y.K. Alagh : Regional distribution of industry in Economies
- Barthwal R. R.: Industrial Economics: An Introductory Textbook, Wiley Eastern Limited , New Delhi.
- Cohen K. L. & Cyert R. M.: Theory of the Firm, Prentice Hall

Discipline Specific Elective Course III (A)

ECONOMETRICS

Course Code- ECO 6.5-DSET-305

Total Teaching: 90 hours

Course outcomes

1. Will be able to conduct empirical analyses and data analytics that are increasingly valued in the job market.
2. Will be able to understand why and how questions are to be framed and answered, allowing them to learn more advanced topics on their own.

Unit I

Single Equation Regression Models. The theory of classical least squares, Properties of regression coefficient in the least square regression. Maximum likelihood Estimates of the regression parameters. Multiple regression analysis.

Unit – II

Durban Watson (DW) test for testing the independence of disturbances. Treatment of first order Markov Scheme. Violation of important assumptions. Autocorrelation. Heteroscedasticity.

Unit-III

Aitken's, generalized least squares Multi -colinearity, Specification bias, Dummy variables. Instrumental variables, Lag model, Autocorrelation in Lag models. Adaptive expectation and adjustment models.

Unit – IV

Simultaneous equation models, Structural equations, reduced form equations. Identification problem, rank and Order conditions, Estimation of structural parameters through indirect least square and two stage least squares.

Unit V

Stationarity, unit roots, co-integration, spurious regression, Dickey-Fuller Test, Engle-Granger Test Random walk Model, Forecasting with ARIMA modeling, Box-Jenkins methodology.

Books Recommended:

1. Johnson, J: Econometric Methods.
2. Intriligator: Econometrics
3. Theil. H Introduction to Econometrics
4. Madnani, G.M.K Introduction to Econometrics - Principles and Application
5. Rao and Miller: Applied Econometrics
6. Johson, Johson & Buse: Economics Basic and Applied
7. Studenmund and Cassidy: Using Econometrics A Practical Guide
8. Salvadore, D: Statistics and Econometrics

- 9.Gujarati, D.N.: Basic Econometrics
10.Kmenta J.: Elements of Econometrics
10.Maddala, G.S. Econometrics
11.Koutsoyianis, A Theory of Econometrics

Or

Discipline Specific Elective Course III (B)

ENVIRONMENT ECONOMIC

Course Code- ECO 6.0-DSET- 305

Total Teaching: 90 hours

Course outcomes

1. Will be able to develop A logical, coherent and sensible understanding of the reasons for (and solutions to) environmental problems.
2. Will be able to apply economic theory to environmental issues with a view to developing elective and rational environmental policies.

UNIT – I

Fundamentals of Environmental Economics –Ecosystems Definition and role of Economics. Scope of Environmental Economics. Basic Theory of Environmental Economics. Environmental Quality as a public good. Environmental problems in developed and developing economics. Natural Resources Economies and conservation of natural resources.

UNIT – II

Environmental Pollution – Types of pollution. Air Pollution: Atmosphere, types of air pollution. Effects of air pollution on vegetation, agriculture, forest, animal, social and human being.

UNIT – III

Water Pollution: Sources of water pollutants, industrial, commercial domestic and agriculture pollutants. Effects of water pollutant ion agriculture, vegetation, animals and human being. Waste water treatments- Impact and use, Global Polluter, Impact of pesticides and Fertilizers on environment and health.

UNIT – 1V

Important concepts and issues in environmental protection- Cost Benefit analysis, the Environmental cost of economic growth. Limits to growth , environmental issue in developed and developed Economies. The concept of Sustainable development. Indian Philosophy of sustainable development- Views of Ancient Indian Thinkers, Jain Philosophy, Gandhian Philosophy and Deen Dayal Upadhyay’ s concept of Ekatma Arthniti.

UNIT – V

Sustainable development strategies for agriculture industry, forestry, natural resources, deserts, energy production and fisheries. Brief study of international organizations in the field of Environment and Development- World Commission of Environment and Development (WCED), World Bank and World Wide Fund (WWF), Environmental Policy of Govt. of India and Rajasthan.

Books for References:

1. Karpagam, M.: Environmental Economics, Sterling Publishers Pvt. Ltd.
2. Simonis E. Udo : Ecology and Economics Policy.
3. Barbier, Edward B. : Economics : Natural Resource Scarcity and Development, Earthscan Publication (1989), London.
4. Pearce, D.W.: Environmental Economics, Longman.
5. Hamrin, Robert D. : A Renewable Resource Economy, Praeger (1983).
6. Katyal, Timmy and Satake: Environmental pollution, Anmol Publications, New Delhi.
7. Chand Attar: Environmental Challenges, UDH Publishers, Delhi.
8. Baumol, William J. And Wallace E. Oater: Economics, Environmental Policy and the Quality of Life, Prentice Hall, New Jersey
9. Seneca, Joseph J. & Micheal K. Taussig : Environmental Economics, Prentice Hall Inc., New Jersey.
10. Downing Paul, B. : Environmental Economics and Policy, Brown and Company, Boston.
11. Robert Dorfman and Nene S. Dorfman : Economics of Environmental, W.W. Norton , London, 1972
12. Streeton, Paul: Frontiers of Development studies, Macmillan
13. Mahbub Ul Haq : The Poverty Curtain, OUP, Delhi
14. John A. Butlin: The Economics of Environmental and Natural Resources.
15. Tisdell, Clem: Sustainable development: Differing Perspective, Vol. 16, pp. 333-384 (1988).
16. Sekor Singh (ed.): Environmental Policy in India, Indian Institute of Public Administration, New Delhi.
17. Nathawat, Shashtri and Vyas : Man, Nature and Environmental Law (1988), RBSA Publisher, Jaipur.
18. Wathers Pater : Environment Impact Assessment : Theory and Practice.
19. Swaminathan M. S. And Jana S. : Biodiversity Implications for Global Security, M.C. Millan Publishers, New Delhi (1994).
20. Gordon, R. Conway and Jules N. Pretty : Unwelcome Harvest- agriculture and Pollution, Earthscan Publishers Ltd. London, 1994.
21. Lodha, S. L. And Mahendra Lodha : Economics of Environment.
22. Ekatm manav darshan, Deen dayalupadhyay, Gyan ganga Prakashan, Jaipur

SEMESTER- IV

RESEARCH METHODOLOGY

Course Code- ECO 6.0 AECT 401

Total Teaching: 30 hours

Course outcomes

1. Formulate their own research questions and write research papers.
2. Understand the formulation of hypothesis.
3. Apply statistical methods.
4. Write good research papers.

UNIT – I

Introduction to research methodology (Research, Hypothesis, Analysis of data and interpretation)

UNIT – II

Sample survey, Principles of sample survey, Stages of a survey practical problems in planning executions and analysis of survey.

UNIT – III

Review of Literature, Data Collection – Primary and Secondary Sources, Bibliography

UNIT – IV

Regression analysis with one and two explanatory variables. Test of significance.

UNIT – V

Research Proposal/Synopsis, Research Paper, Thesis / Dissertation

Suggested books

C.R. Kothari : Research Methodology

Des Raj : Sample Design

Murti, M.N. : Sampling Methods

Raj Ahuja : Research Methodology

Couchreaane : Sampling Techniques

Sukhame, P.V. and others : Sampling Theory of Survey with Application.

Assessment and Evaluation

- Non- CGPA Courses are practice based courses having 2 Credits each and assessed internally, which shall be completely based on continuous internal assessment / Submission of a Project Report / Case Study /Assignment etc. (no examination will be conducted by the University).
- The Credit, Credit point and Grade will be reflected separately in the Mark Sheet under Non-CGPA Courses. The college will send the Satisfactory (S) or Not Satisfactory (NS) credentials of the student to the University.
- Suggestive markers for internal evaluation as mentioned in the structure of program.

INDIAN ECONOMIC POLICY

Course Code- ECO 6.0-DCCT-402

Total Teaching: 90 hours

Course outcomes

1. Will be able to sharpen the analytical faculty, by highlighting an integrated approach to the functioning aspects of the Indian economy, keeping in view the scope for alternative approaches.
2. Will be able to understand the working and to comprehend the ramifications that underlie most of the observed phenomena in the Indian economic set-up.
3. Will be able to learn overall social, political and economic environment influencing policy decisions.

UNIT – I

Planning in India Objectives and strategy of planning; Failures and achievements of Plans; Developing grass-root organizations for development — Panchayats, NGOs and pressure groups. Demographic Features, Poverty and Inequality Broad demographic features of Indian population; Rural-urban migration; Urbanization and civic amenities; Poverty and Inequality.

UNIT – II

The Agricultural Sector Institutional Structure - land reforms in India; Technological change in agriculture — pricing of agricultural inputs and output; Terms of trade between agriculture and industry; Agricultural finance policy; The Industrial Sector Industrial policy; Public Sector enterprises and their performance; Problem of sick units in India.

UNIT – III

Public Finances Fiscal federalism - Centre-state financial relations; Finances of central government; Finances of state governments; Problems relating to fiscal policy; Fiscal sector reforms in India.

UNIT – IV

Money, Banking and Prices Analysis of price behaviour in India; Financial sector reforms; Interest rate policy; Review of monetary policy of RBI; Money and capital markets; Working of SEBI in India.

UNIT – V

External Sector Structure and direction of foreign trade; Balance of payments; Issues in export-import policy and FEMA; Exchange rate policy; Foreign capital and MNCs in India; The progress of trade reforms in India.

Economic Reforms Rationale of internal and external reforms; Globalisation of Indian economy; W.T.O. and its impact on the different sectors of the economy;

Suggested books

Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development
Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India
Bawa, R.S. and P.S. Raikhy (Ed.) (1997), Structural Changes in Indian Economy
Brahmananda, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy : Inter-State Perspectives
Chakravarty, S. (1987), Development Planning : The Indian Experience
Dantwala, M.L. (1996), Dilemmas of Growth : The Indian Experience
Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India
Government of India, Economic Survey, (Annual), Ministry of Finance, New Delhi.
Jain, A.K. (1986), Economic Planning in India Ashish Publishing House, New Delhi.
Jalan, B. (1992), The Indian Economy , Problems and Prospects, Viking, New Delhi.
Jalan, B. (1996), India's Economic Policy , Preparing for the Twenty First Century
Reserve Bank of India, Report on Currency and Finance, (Annual).

HISTORY OF MODERN ECONOMIC ANALYSIS

Course Code- ECO 6.0-DCCT-403

Total Teaching: 90 hours

Course outcomes

1. Will be able to understand and appreciate the many controversial questions in the history of economic ideas and development of social thought of which economic thought is only one part — significantly important part .
2. Will be able to learn the subject of history of economic analysis which covers the analysis of economic ideas from Mercantilism to Keynesianism, progress of the subject of economics and evolution and development of economic ideas has not come to a stop with Keynesianism.

UNIT – I

Mercantalism , Physiocrates, Classical school-Adam Smith : Wealth of Nation, Malthus theory of population and theory of under consumption. Differences with Say on Determination of value. Critics of the classical school Sisamondi. List and the nationalist school. Restatement of the classical positions, senior and the four postulates.

UNIT – II

Karl Marx _ Efforts at scientific socialism organic composition of capital. Breakdown of capitalism- Reserve army of labour- critiques of Marx, modern revival of Marx in Economics. The German Historical School and the development of Marginalism.

The Neo- Classical School Marshall. Main features only the rise of Keynesianism, the rise of Mathematical Economics, dynamics and Econometrics.

UNIT – III

Twentieth century economic through- Macroeconomics, Monetary Economics and Financial Economics Friedman, Milton Tobin, James Modigliani.

Theory of Value, General Equilibrium, Game Theory, Welfare Samuelson, Paul A. Hicks.

UNIT – IV

Input-Output Analysis, Programming, Social Accounts, Economic and Social Systems Leontief, Sir Richard Hayek, Fredrieck Myrdal, Gunnar

Economic Development and Economic Growth Kuznets, Simon Schultz, Theodore W. Lewis, Sir W. Arthur Solow.

Critical valuation of the development of economic thought.

UNIT – V

Asymmetric Information and Tax Theory Sen, Amartya K. — Applied Welfare Economics

Inequality Thoughts- Mahatma Gandhi, B.R. Ambedkar, Deen Dayal Upadhyaya,

Major Economic Thinking of V.K.R.V. Rao, J.K. Mehta , Raj Krishna, P.R. Brahmanand.

Books Recommended :

1. Blackhouse, R. (1985), A History of Modern Economic Analysis, Basil Blackwell, Oxford.
2. Ganguli, B.N. (1977), Indian Economic Thought: A 19th Century Perspective, Tata McGraw Hill, New Delhi.
3. Gide, C. and G. Rist (1956), A History of Economic Doctrines, (2nd Edition), George Harrop & Co., London.
4. Grey, A. and A.E. Thomson (1980), The Development of Economic Doctrine, (2nd Edition), Longman Group, London.
5. Roll, E. (1973), A History of Economic Thought, Faber, London.
6. Schumpeter, J.A. (1954), History of Economic Analysis, Oxford University Press, New York.
7. Seshadri, G.B. (1997), Economic Doctrines, B.R. Publishing Corporation, Delhi.
8. Sen, A.K. (1987), On Ethics and Economics, Oxford, New York.
9. Ekatm manav darshan, Deen dayalupadhayay, Gyan ganga Prakashan, Jaipur
10. Tinbergen, J. , The Dynamics of Business Cycles — A Study in Economic Fluctuations, Chicago University Press, Chicago.

11. Miller, M.H. (1988), The Modigliani — Miller Propositions after Thirty Years, Journal of Economic Perspectives, Vol. 6.
12. Sen, A.K. (1971), Collective Choice and Social Welfare, North Holland, Amsterdam.
13. Sen, A.K. (1981), Poverty and Famines : An Essay on Entitlement and Deprivation, Oxford University Press, Oxford.
14. Lewis, W.A. (1955), The Theory of Economic Growth, Macmillan, London.
15. Kindleberger, C.P., Economic Development, (3rd Edition), McGraw Hill, New York.
16. Lewis, W.A. : Development Planning
17. Meier, G. : Leading Issues in Economic Development
18. Kuznets, S. : Modern Economic Growth

Discipline Specific Elective Course IV(A)

AGRICULTURAL ECONOMICS

Course Code- ECO 6.0-DSET-404 (A)

Total Teaching: 90 hours

Course outcomes

1. Will be able to learn in detail traditional and modern development policies and apply these to the agriculture sector.
2. Will be able to have sufficient background to undertake independent research in this area.

UNIT – I

Agriculture and Economic Development Nature and scope of agricultural and rural economics; Traditional agriculture and its modernization; Role of agriculture in economic development; White revolution; Fishery and poultry development; Forestry, horticulture and floriculture; Issues and problems in rural industrialization and development of agro-based industries.

UNIT – II

Agricultural Production and Productivity Agricultural production , Resource use and efficiency; Production function analyses in agriculture; Factor combination and resource substitution; Cost and supply curves, Size of farm and laws of returns, Resource use efficiency in traditional agriculture.

UNIT – III

Land Reforms and Land Policy Principles of land utilization; Land distribution — Structure and trends; Land reform measures and performance; Problems of marginal and small farmers.

UNIT – IV

Rural Finance Role of capital and rural credit; Organized and unorganized capital market; Rural savings and capital formation; Characteristics and sources of rural credit - cooperatives, commercial banks, regional rural banks; Role of NABARD

UNIT – V

Agricultural Growth in India Recent trends in agricultural growth in India; Inter-regional variations in growth of output and productivity; Cropping pattern shifts; Objectives of agricultural price policy , Instruments and evaluation; Food security in India .

Books Recommended:

Bhaduri, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.

Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.

Dantwala, M.L. et.al (1991), Indian Agricultural Development Since Independence, Oxford & IBH, New Delhi.

Government of India (1976), Report of the National Commission on Agriculture, New Delhi. !

Government of India, Economic Survey (Annual), New Delhi. Gulati, A. and T. Kelly (1999), Trade Liberalisation and Indian Agriculture, Oxford University Press, New Delhi.

Joshi, P.C. (1975), Land Reforms in India: Trends and Prospects, Allied Publishers, Bombay.

Kahlon, A.S. and Tyagi D.S. (1983), Agriculture Price Policy in India, Allied Publishers, New Delhi.

Rao, C.H. Hanumantha (1975), Agricultural Growth, Rural Poverty and Environmental Degradation in India, Oxford University Press, New Delhi.

Reserve Bank of India, Report on Currency and Finance (Annual), Mumbai.

Rudra, A. (1982), Indian Agricultural Economics : Myths and Reality, Allied Publishers, New Delhi.

Or

Discipline Specific Elective Course IV (B)

FINANCIAL INSTITUTION AND MARKET

Course Code- ECO 6.5-DSET-404 (B)

Total Teaching: 90 hours

Course outcomes

1. Will be able to be well conversant with the theory and practice of different financial institutions and markets.
2. Will be able to understand the interconnection between the monetary forces and real forces, their developmental role and limitations in shaping and influencing the monetary and related policies both at the national and international levels.

UNIT – I

Nature and Role of Financial System Money and finance , Money and near-money , Financial

intermediation and financial intermediaries ,The structure of the financial system , Functions of the financial sector , Indicators of financial development , Equilibrium in Financial Markets , Financial System and Economic Development

UNIT – II

Structure of Interest Rates Theories of interest rate determination ,Level of interest rates , Long period and Short period rates , Term Structure of Interest rates ,Spread between lending and deposit rates

UNIT – III

The Central Bank, Commercial Banks and Monetary Policy Functions of Central Bank , The aims and objectives of the monetary policy in developed and developing countries , Instruments of monetary policy , Effectiveness of monetary policy , Credit creation and its control, Profitability and efficiency of banks, Financial sector reforms in India.

UNIT – IV

Financial Markets Role and structure of money market and capital market , Call money market. Treasury bill market, Commercial bill market including commercial paper and certificate of deposits, Discount market , Government securities market , Primary and secondary market for securities; SEBI: its impact on the working of capital market in India; IRDA and its role in financial markets.

UNIT – V

International Financial Markets Nature, organization and participants , Exchange rates , devaluation, and depreciation , Working of floating exchange rates since 1973 ,International Liquidity ,Lending operation of World Bank and its affiliates , Working of IDA and IFC. Asian Development Bank and India. Euro-dollar and Euro-Currency markets: their developmental role and regulation at the International level.

Books Recommended:

- Bhole, L.M. (1999), Financial Institutions and Markets, Tata McGraw Hill Company Ltd., New Delhi.
- Bhole, L.M. (2000), Indian Financial System, Chugh Publications, Allahabad.
- Edminster, R.O. (1986), Financial Institutions, Markets and Management, McGraw Hill, New York.
- Goldsmith, R.W. (1969), Financial Structure and Development, Yale
- Hanson, J.A. and S. Kathuria (Eds.) (1999), India : A Financial Sector for the Twenty-first Century, Oxford University Press, New Delhi.
- Harker, P.T. and S.A. Zenios (2000) (Ed.), Performance of Financial Institutions, Cambridge University Press, Cambridge.
- Johnson, H.J. (1993), Financial Institutions and Markets, McGraw Hill, New York.
- Khan, M.Y. (1996), Indian Financial System, Tata McGraw Hill, New Delhi.
- Machiraju, M.R. (1999), Indian Financial Systems, Vikas Publishing House, New Delhi.
- Ohlson, J.A. (1987), The Theory of Financial Markets and Institution, North Holland, Amsterdam.
- Prasad, K.N. (2001), Development of India's Financial System, Sarup & Sons, New Delhi.
- Robinson, R.I. and D. Wrightman (1981), Financial Markets, McGraw Hill, London.
- Smith, P.F. (1978), Money and Financial Intermediation : The Theory and Structure of Financial System, Prentice Hall, Englewood-Cliffs, New Jersey.

Discipline Specific Elective Course IV (A)
Dissertation/Project/Field Study (DPR)
Course Code- ECO 6.5-DSET-405 (A)

Or

Discipline Specific Elective Course IV (B)
Internship or On-Job Experience (OJT)
Course Code- Eco6.0-DSET-405(B)

(Only for Regular Students)

Course outcomes

1. Will be able to select a theme for economic research and write a dissertation or project report on it.
2. Will be able to understand research process and data collection process.

Regular Students will accomplish a dissertation/project work on the selected topic and submit a dissertation under supervision of a faculty member. The topic will be decided with the approval of the supervisor/faculty member. The Dissertation/Project work/Case Study should be in 10000-15000 words (appx.50-80pages). The approved work/dissertation (in three copies, spiral bound as per MGSU, Bikaner format) should be sent to the University three weeks prior to the Main Exams. The students will be free to write their Dissertation/Project Work/Report in English or Hindi language.

Teaching Learning Process

- Lectures, Online Classes
- Discussions, Online Discussion Forum if possible
- Role Playing
- Participative Learning
- Interactive Sessions (Online Classes)
- Seminars, Tutorials, Assignments, Quizzes and Tests (may include Online Methods)
- Presentations
- Research-based Learning/ Dissertation or Project Work
- Technology-embedded Learning

Blended Learning

Blended Learning is a pedagogical approach that combines face-to-face classroom methods with computer-mediated activities in the process of teaching and learning. It has been decided that blended learning be taken recourse to if such need arises. As per the present time demands, the teacher should be ready to use online mode . Hence online teaching also to be promoted through virtual engagement considering requirements of the department at the college/institution.

Assessment and Evaluation

- Continuous Comprehensive Evaluation at regular interval after achievement of each Course-level learning outcome
- Tutorial, Assignment and Discussions, Virtual Engagement, Collaborative Assignments, Quizzes, Online Test, Online Assignments.
- Formative Assessment based on activities of a learner throughout the programme instead of one-time assessment
- Oral Examinations to evaluate presentation and communication skills.
- Group Examinations on Problem solving exercises.
- Seminar Presentations, Dissertation, Project Report, Field Study (DPR)
- Review of Literature
- Collaborative Assignments

Keywords

- LOCF(Learning Outcome based Curriculum Framework)
- NEP-2020(National Education Policy 2020)
- Blended Learning
- Face to face(F to F) Learning
- Programme Outcomes(POs)
- Programme Specific Outcomes(PSOs)
- Course-level Learning Outcomes
- Postgraduate Attributes(PGAs)
- Learning Outcome Index(LOI)
- Formative Assessment and Evaluation
- Comprehensive and Continuous Evaluation
- CA-Continuous Assessment(Internal Assessment)
- CC-Core Course
- CF-Core Foundation
- CE-Core Elective
- OE-Open Elective
- SEC-Skill Enhancement Course

References

1. Guidelines of the affiliating university (Maharaja Ganga Singh University, Bikaner)
2. National Education Policy (NEP) 2020
3. PGLOCF Guidelines (Order-S.No.P.24/MGSU/IQAC/2024 Dated 01.10.2024)
4. National credit Framework (NCrF), University Grants Commission, April 2023