

GURU KASHI UNIVERSITY



Master of Arts in Economics

Session: 2024-25

Department of Economics

GRADUATE OUTCOMES OF THE PROGRAMME

Graduates will have a deep understanding of discipline knowledge to creatively solve complex problems and provide innovative solutions; develop original thinking; skill in undertaking independent research in economics.

PROGRAM LEARNING OUTCOMES

After successful completion of the program, the students will be able to:

- Apply knowledge of economics for team building and create entrepreneurial initiatives for livelihood and social development.
- Examine economic problems that have economic implications on different sectors of national economy.
- Apply modern economic theory by using analytical and evaluative skills, and solve a variety of economic problems.
- Use statistical techniques to analyze the data and interpret statistical results.
- Evaluate economic policies from different perspectives.
- Inculcate the logical, reductive, replicable and generative aspects of research.

Programme Structure of MA Economics

Semester-I						
Course Code	Course Title	Course Type	L	T	P	Credits
MEO120	Micro Economics-I	Core	4	0	0	4
MEO121	Macro Economics-I	Core	4	0	0	4
MEO112	Development Economics	Core	4	0	0	4
MEO113	Entrepreneurship Development	Entrepreneurship	2	0	0	2
MEO122	Micro Finance: Theory and Practice	Elective Foundation	2	0	0	2
MEO404	Economics of Insurance	MD	3	0	0	3
Discipline Elective-I (Any one of the following)						
MEO114	International Economics	Discipline Elective-I	3	0	0	3
MEO115	Industrial Economics					
MEO116	Labour Economics					
Discipline Elective-II (Any one of the following)						
MEO123	Statistics for Economics	Discipline Elective-II	3	0	0	3
MEO118	Economics of Gender and Development					
MEO119	Economics of Population					
Total			22	0	0	22

Semester-II						
Course Code	Course Title	Course Type	L	T	P	Credits
ME0222	Money and Banking	Core	4	0	0	4
MEO223	Micro Economics-II	Core	4	0	0	4
MEO224	Macro Economics-II	Core	4	0	0	4
MEO215	Academic Writing	VAC	2	0	0	2
MEO299	XXX	MOOC	0	0	0	2
Discipline Elective-III (Any one of the following)						
MEO217	Punjab Economy	Discipline Elective-III	3	0	0	3
MEO218	Economics of Health and Education					
MEO219	Economics of Money & Banking					
Discipline Elective-IV (Any one of the following)						
MEO220	Agricultural Economics	Discipline Elective-IV	3	0	0	3
MEO221	Rural Economics					
MEO210	Economics of Human Resource Development					
Total			24	0	0	24

Semester-III						
Course Code	Course Title	Course Type	L	T	P	Credits
MEO306	Political Economy	Compulsory Foundation	2	0	0	2
MEO309	Research Methodology	Compulsory Foundation	2	0	0	2
MEO398	Research Proposal	Research Based Skill	0	0	8	4
MEO315	Ethics and IPR	Skill Based	2	0	0	2
MEO396	Service Learning	Elective Foundation	0	0	4	2
MEO313	Computer Lab	Skill Based	0	0	2	1
MEO397	Proficiency in Teaching	Skill Based	2	0	0	2
MEO316	Regional Economics	Core	4	0	0	4
MEO317	Sustainable Development Goals	VAC	2	0	0	2
MEO399	XXX	MOOC	0	0	0	2
Open Elective						
XXXX	XXX	Open Elective	2	0	0	2
TOTAL			16	0	14	25

Open Elective (For other departments)						
OEC057	Financial Marketing	IDC	2	0	0	2

Semester-IV						
Course Code	Course Title	Course Type	L	T	P	Credits
MEO401	Dissertation	Research Based Skill	–	–	–	20
MEO402	Seminar	AEC	0	0	2	1
Total			-	-	-	21

Evaluation Criteria for Theory Courses

A. Continuous Assessment: [25 Marks]

- i. C1 (10 Marks)
- ii. C2 (10 Marks)
- iii. C3 (5 Marks)

For each CA conduct surprise test, quiz, term paper, assignments, etc.

B. Attendance (5 marks)

C. Mid Semester Test-1: (30 Marks)

D. End-Term Exam: (40 Marks)

Semester-I

Course Title: Micro Economics-I

Course Code: MEO120

Total Hours: 60

L	T	P	Cr.
4	0	0	4

Course Learning Outcomes: On the completion of this course, the students

will be able to

1. Know the scope and breadth of Micro Economics along with understanding the core principles of demand and supply so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems.
2. It will make students aware about how various economic agents behave optimally given the scarce economic resource and other constraints.
3. Understanding the core principles of production and costs so that they are able to apply the understanding of these concepts to comprehend real world problems along with the ability to think critically and analyze economic problems
4. Analyze given situations in a variety of markets on a microeconomic level. Understand the internal structure and assumptions of the different analytical frameworks of market conditions, their explanatory power and limitations. Simultaneously Understanding the implications and ethical as well as value part of it.

Course Content

UNIT-I

15 hours

Nature and scope of Economics and Microeconomics, Positive and normative analysis, Role of assumptions in economic analysis, Circular flow of economic activity, Concepts of household, firm, factors of production, equilibrium: partial and general, static, comparative static and dynamic analysis, Elasticity: need and measures, Relationship between revenue and elasticity

UNIT-II

15 hours

Analysis of consumer behavior, demand function, Law of demand – cardinal,

ordinal and revealed preference approaches, income-consumption curve, Engel curve, substitute and complimentary goods, Market demand curve; consequences of Bandwagon, Snob and Veblen effect. Concept of consumer surplus.

UNIT-III

15 hours

Laws of Production: short run and long run, Internal and External economies and diseconomies, Concept of cost, derivation of short and long run cost curves, Optimum input combination: Simple case of a multiproduct firm, Technical progress and production function: Hick's classification, Elasticity of substitution, Properties of Cobb-Douglas and CES production function..

UNIT-IV

15 hours

Pricing process and equilibrium of firm and industry under perfect competition, monopoly (including discriminating and bilateral monopoly), monopolistic competition, Welfare effects of price control, price support and production quota

Transaction Mode: Lecture, Problem Solving, blended learning, Discussion & Demonstration, and Case Studies.

Suggested Readings

- G. C. Archibald (Ed.) (1971). *Theory of the Firm*. Penguin, Harmondsworth.
- Baumol, W. J. (1982). *Economic Theory and Operations Analysis*.

Prentice Hall of India, New Delhi.

- Costa, G. C. (1980). *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.
- Koutsoyiannis, A. (1979). *Modern Microeconomics* (2nd Edition), Macmillan Press, London.
- Salvatore, D. (2009). *Microeconomics-Theory and Applications*. Oxford University Press.
- Varian, H. (2003). *Intermediate Microeconomics*. East-West Press.

Course Title: Macro Economics-I

Course Code: MEO121

L	T	P	Cr.
4	0	0	4

Total Hours: 60

Course Learning Outcomes: On the completion of this course, the students will be able to

1. The student shall understand the classical and Keynesian theory of output and employment
2. Explaining the behaviour of macroeconomic variables by identifying and understanding the extended model
3. Understanding the IS-LM framework and its various aspects.
4. To understand the theories of consumption and investment along with their relevance.

Course Content

UNIT-I

12 hours

Classical Approach: Output and Employment in Classical Theory; The

Quantity Theory of Money and the Price Level; Classical Model without Saving and Investment; Classical Model with Saving and Investment. Keynesian Approach: Two Sector Model, Three Sector Model and Four Sector Model.

UNIT-II

15 hours

The Extended Model (Hicks-Henson Synthesis) with Fixed Price Level: The goods Market and The Money Market; Equilibrium in Goods Market and Money Market; Changes in Aggregate Demand with Govt. Spending and Taxation; Effectiveness of Fiscal-Monetary Policies and IS-LM curve.

UNIT-III

17 hours

The Extended Model under Variable Price Level: Aggregate Supply Curve; Derivation of Aggregate Demand Curve and Determination of Equilibrium Price and Output Levels; Wage Price Flexibility and the Full Employment Equilibrium; Monetary - Fiscal Policies and the Full Employment Equilibrium.

UNIT-IV

17 hours

Theories of consumption: The Absolute Income Hypothesis; The Relative Income Hypothesis; The Permanent Income Hypothesis; The Life Cycle Theory of Consumption. Theories of Investment: The Present Value Criterion for Investment; The Marginal Efficiency of Capital Approach; The Simple Accelerator Theory, The Capital Adjustment Principle (Chenery Model); Financial Theory of Investment.

Transaction Mode: Lecture, case study, blended learning, problem solving, discussion & demonstration, self-study.

Suggested Readings

- Langdana, F.K. (2013). *Macroeconomic Policy: Demystifying Monetary and Fiscal Policy*. Springer.
- Romer, David (2012). *Advanced Macroeconomics*. McGraw Hill Education.
- Shapiro, E. (2006). *Macroeconomic Analysis*. Galgotia Publication, New Delhi.
- Rosalind, L & Alexander, R (2015). *Macroeconomics*. Macmillan, London.
- Gregory, M. N. (2014). *Principles of Macroeconomics*. Cengage Learning.
- Mishkin, F.S. (2016). *The Economics of Money Banking and Financial Markets*. Pearson.

Course Title: Development Economics

Course Code: MEO112

L	T	P	Cr.
4	0	0	4

Total Hours: 60

Course Learning Outcomes: On the completion of this course, the students will be able to

1. To understand, analyze and interpret the nature of growth & development with a view to measure and mark its trajectory.
2. To analyse and understand the classical growth models, role of innovations and stages of growth with their historical origins and role.
3. To analyse and understand the balanced and unbalanced growth in economy
4. To analyse and understand the neo-classical and Cambridge growth models with mathematical treatment

Course Content**UNIT-I****15 hours**

Economic development-meaning, development and under development. Perpetuation of underdevelopment – vicious of poverty, circular causation, structural view of underdevelopment. Measurement of Development – conventional, Human Development Index and quality of life indices, concept of sustainable development

UNIT-II**15 hours**

Theories of development: classical, Karl Marx, Schumpeter and structural analysis of development, Lewis model of development. Renis- Fei model, Dependency theory of development. Rostow's theory of stages of economic growth.

UNIT-III**15 hours**

Strategies of economics growth: balanced growth, critical minimum efforts, big push, unbalanced growth, low-income equilibrium trap.

UNIT-IV**15 hours**

Theories of economic growth: Models of growth of John Robinson and Kaldor, Harrod Domar model, Instability of equilibrium, Neo-classical growth Model, Solow's steady state growth.

Transaction Mode:

Lecture, Problem Solving, Discussion & Demonstration, Blended learning.

Suggested Readings

- Barro, R. J. & Sala-i-Martin, X. (2004). Economic Growth. MIT Press.
- Behrman, S. & Srinivasan, T.N (Eds.). (1995). Handbook of Development Economics, Vol. 3. Page 21 Elsevier, Amsterdam.

- Chenery, H. & Srinivasan, T.N. (Eds.) (1989). Handbook of Development Economics, Vol. 1 & 2. Elsevier, Amsterdam.
- Schultz, Paul T. & Strauss, J. (Eds.). (2008). Handbook of Development Economics, Vol. 3. Elsevier, Amsterdam.
- Sen, A.K. (Ed.). (1990). Growth Economics. Penguin, Harmondsworth.
- Chakravarti, S. (1982). Alternative Approaches to the Theory of Economic Growth. Oxford University Press, New Delhi.
- Ghatak, S. (1986). An Introduction to Development Economics. Allen and Unwin, London.
- Gillis, M., Perkins, D.H., Romer, M. & Snodgrass, D.R. (1992). Economics of Development. W.W. Norton, New York.
- Jones, H.G. (1975). An Introduction to Modern Theories of Economic Growth.
- Meier, G.M. & Rauch, J.E. (2005). Leading Issues in Economic Development. Oxford University Press, New Delhi.
- Adelman, I. (1961). Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Higgins, B. (1959). Economic Development. W.W. Norton, New York.
- Kindleberger, C.P. (1977). Economic Development. McGraw Hill, New York.
- Meier, G.M. & Rauch, J.E. (2005). Leading Issues in Economic Development. Oxford University Press, New Delhi.
- Thirlwal, A.P. (1999). Growth and Development. Macmillan, U.K.
- Todaro, M.P. & Smith, S.C. (2003). Economic Development. Pearson Education, Delhi.

Course Title: Entrepreneurship Development

Course Code: MEO113

L	T	P	Cr.
2	0	0	2

Total Hours: 30

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Learn about the concepts of entrepreneur and entrepreneurship

2. Gain knowledge about the procedure for establishing of a new enterprise
3. Learn about the various licensing and partnership acts and about the tax laws
4. Acquire a better understanding about the different institutional support and services available in India for the entrepreneurs.

Course Content

UNIT-I

10 hours

Entrepreneur and Entrepreneurship

Entrepreneur: Definition, characteristics of entrepreneur, entrepreneur and manager, functions of entrepreneurs and types of entrepreneurs; Entrepreneurship: concept, role of entrepreneurship in economic development, factors affecting entrepreneurial growth, entrepreneurial motivation, entrepreneurial competencies and entrepreneurial mobility.

UNIT-II

10 hours

Establishing an Enterprise

Project identification and selection; project formulation; project appraisal: concept and method of project appraisal; financing enterprise; ownership structure: types of ownership and selection of an appropriate form of ownership.

UNIT-III

11 hours

Registration and Licensing

Objectives of licensing; Industrial Licensing Act, 1951: objectives, scopes and provisions of the act; Factories Act, 1948; Partnership Act, 1932; companies Act, 1956. Income tax, and goods and service tax (GST).

UNIT-IV**14 hours****Institutional Support to Entrepreneurs**

Institutional Finance to entrepreneurs: Industrial Finance Corporation of India, Unit trust of India, industrial development banks of India, Small Industries Development Bank of India and MUDRA bank.

Institutional support to industries: National Small Industries Corporation Limited, Small Industries Development Corporation, Small Scale Industries Board, State Small Industries Development Corporations, Small Industries Service Institutes, District industrial centers and industrial estate; Made in India and Startup India.

Transaction Mode: Lecture, Tutorial, Problem Solving, Discussion & Demonstration, Blended Learning.

Suggested Readings

- Janakiram, B. and M. Rizwana (2011) *Entrepreneurship Development: Text & cases*. Excel Books publication.
- Janakiram, B., P.V. Raveendra and V.K. Srirama (2010) *Role and Challenges of Entrepreneurship Development*, Excel Books publication.
- Khanka, S. S. (2008). *Entrepreneurial Development*. S. Chand publisher.
- Kumar, S. A and S. C. Poornima, Mini K. Abraham, K. Jayashree (2003). *Entrepreneurship Development*. New Age International Publishers.
- Lakhanpal, A. (1990) *Entrepreneurial Development: An Institutional Approach*. Commonwealth Publishers.
- Ramachandran, K. (2010) *Entrepreneurship Development: Indian Cases on Change Agents*, Tata McGraw Hill.
- Tiwari, S and Anshuja T. (2007). *Entrepreneurship Development in India*, Sarup and Sons, New Delhi.

Course Title: Micro Finance Theory & Practice

L	T	P	Cr.
2	0	0	2

Course Code: MEO122**Total Hours 30**

1. Evaluate potential locations, identify and source potential customer groups. Assist in application and loan disbursement process, and collect fees and installments.
2. Follow-up with the Microfinance customers whose repayment of dues have been delayed for their recovery.
3. Communicate in an effective manner with customers and colleagues in order to ensure high level of customer service.
4. Demonstrate that high levels of ethics are exhibited at every stage of work.

UNIT-I**8 hours**

Basics of Microfinance: Concept, Importance, Risk Associate. MSME segment, Priority sector lending to the country and the organization, Composition & mission of Self-Help Group and Joint liability Group. Basics of lending: Various loan products financial facilities offered by Banks and Micro Finance companies differentiate between secured and unsecured loans.

UNIT-II**9 hours**

Mutual Funds: Concept, different aspects and features, various products and schemes available; process for approaching and marketing of various mutual funds schemes & Insurance schemes; concepts of Life Insurance, General Insurance, Human Life Value and Mortality; Various life& non-life products and FD.

UNIT-III**6 hours**

Micro Finance Customers: Formulate the process of scoping and mapping of the territory assigned and identification of customers and groups; List down the activities that can be conducted to identify potential customer; Practice the process of discussions with potential clients, presenting the micro-finance products to the potential customers & groups and cross selling of other products to the customer.

UNIT-IV**7 hours**

Micro Finance Application Process: Analyse the entire process of application for each Microfinance product (Loans and investment); Practice filling up application forms for each Microfinance product; Discuss the KYC policy and the documents that need to be collected from the customer.

Suggested Readings

- Hearth, H.M. and W A. (2018). *Micro Finance Theory and Practice*. Acmillan S. Godage & Brothers (Pvt) Ltd, Colombo, Sri Lanka. ISBN: 978-955-30-9258-8.
- Rana, O.C. and Hemraj (2016). *Micro Finance*. Himalaya Publishing House. New Delhi, ISBN: 978-93-5202-104-8
- Ahlawat, S. (2015). *Micro Finance: Group Based Working*. Write & Print Publication, Delhi. ISBN: 978-93-8464-910-4.

Course Title: International Economics**Course Code: MEO114**

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Analyze current issues and policies using the concepts of international trade theory.
2. Examine the factors that contributing in intra industry trade.

3. Know the role key international institutions play in affecting trade flows across the world.
4. Study the role and determination of exchange rates in short-run and long-run.

Course Content

UNIT-I

10 hours

Theories of International Trade: Absolute Advantage, Comparative Advantage and Opportunity Costs, Heckscher Ohlin Theory of Trade; Factor Price equalization; Empirical testing of Heckscher Ohlin Theory, New approaches to trade theory: The Product Cycle Theory, Technology Gap Theory; Causes of Emergence and Measurement of Intra-industry Trade.

UNIT-II 12 hours

Terms of Trade: Concepts and Measurement; Effects of the terms of trade on a nation's welfare; Deterioration of terms of trade: a critical review, Theory of Tariff; Regionalism and Multilateralism; Political Economy of Non-tariff barriers; Various forms of Economic Integration; Theory of Customs Union.

UNIT-III

12 hours

Balance of Payments and Adjustments: Concepts and components; Causes of dis-equilibrium and different approaches: Traditional, Absorption and monetary approach, Process of adjustment in the balance of payment under Gold Standard, Fixed Exchange Rate and Flexible Exchange Rates; Theory of foreign exchange market, exchange trading, arbitrage and market hedging; Foreign trade multiplier; Theory of International reserves.

UNIT-IV**11 hours**

Foreign Exchange Markets: Euro Currency Markets, International Bond Markets; Contemporary Exchange rate systems; Foreign Exchange Transaction forms; Collapse of Bretton woods system and emergence of international monetary system(IMF and World Bank) World Trading System, WTO and its impact on different sectors, International Debt crisis.

Transaction Mode: Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

Suggested Readings

- Bhagwati, J. N. (1998). *International Trade: Selected Readings*. London: McMillan University Press.
- Clement, M. O. Pfister, R. L. and Rothwell, K. J. (1967). *Theoretical Issues in International Economics*. Constolette and Company Ltd.
- Ellsworth, P. T. and Leith, J. C. (1975). *The International Economy*. London. McMillan University Press.
- James C. and Robert, M. (2004). *International Economics*. John Wiley & Sons. Inc.
- Jones, R. W. and Kenen, P. B. (2003). *Handbook of International Economics*. (Volume-I, II and III). Amsterdam: Elsevier.
- Krugman, P. R. and Obstfeld, M. (2000). *International Economics: Theory and Policy*. Addison-Wesley.
- Lindert, P.H. (1969). *International Economics*. USA: Princeton University Press.
- Mikic, M. (1998). *International Trade*. London: Macmillan Press.
- Salvatore, D. (2004). *International Economics*. John Wiley and Sons Inc.
- Shenkar, O. and Luo, Y. (1969). *International Business*. John Wiley & Sons Inc

Course Title: Industrial Economics**Course Code: MEO115**

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Learn the scope and breadth of industrial economics and able to use the tools of economic analysis and the classical theory of markets in the analysis of organizations.
2. Comprehend, compare and present the theories of industrialization and location along with their technical applications.
3. Understand market structure-conduct-performance and appreciate the concept of sellers' concentration along with its measurement using adequate techniques
4. Understand and then able to present the concepts of industrial productivity and efficiency along with measurement using analytical tools.

Course Content**UNIT-I****10 hours**

Industrial Organization and Theories of the Firm Meaning and scope of industrial economics; Industrial organization and ownership structure – public, private, joint and co-operative sectors; Objectives of the firm; Theories of the firm: Neoclassical theory, Managerial Theories, Coasian firm and transaction cost approach, Strategic and knowledge based theories.

UNIT-II**15 hours**

Theories of Industrialization and Industrial Location Theories of

Industrialization – Hoffman, Chenery and Gershenkron; Theories of industrial location – Weber, Sargent and August Losch theories, Hotelling's location model, Salop's location model; Factors affecting location; Balanced regional development of industries.

UNIT-III

10 hours

The Structure-Conduct-Performance Paradigm The structural conduct performance approach; Relationships between structure, conduct & performance; Neoclassical developments of the SCP approach; Sellers concentration and its measurement: the concentration ratio, the Lorenz curve; Product differentiations – its sources and its implications, Entry conditions; Economies of Scale; Market structure and profitability; Page 90 Market structure and innovation – Process and measurement

UNIT-IV

10 hours

Industrial Productivity and Efficiency Industrial Productivity – measurement and determinants; Industrial efficiency– concept and measurement; Efficiency conditions in the theory of production: constrained output maximisation, constrained cost minimisation, profit and revenue maximization; Efficiency and decision-making process.

Transaction Mode: Presentation, lectures, case study, debates, brainstorming, simulation, role playing and direct observation, blended learning.

Suggested Readings

- Bains, J. S. (1996). *Industrial Organization*.
- Cheltenham, U. K. Barthwal, R. R. (1985). *Industrial Economics*. Wiley Eastern Ltd., New Delhi.
- Kamien, M. T. & Schwartz, N. L. (1982). *Market Structure and Innovation*. Cambridge University Press, Cambridge.
- Lipczynski, J., Wilson, J.O.S. & Goddard, J.A. (2016). *Industrial*

Organisation: Competition, Strategy and Policy. Pearson.

Course Title: Labour Economics

Course Code: MEO116

Total Hours: 45

L	T	P	Cr.
3	0	0	3

Course Learning Outcomes: On the completion of this course, the students will be able to

1. To be able to analyze labour market issues through the application of economic data and theories.
2. Critically analyze the factors affecting supply in labour market with quantitative research.
3. To be able to synthesize information on different actors and outcomes across the various labour market topics including employment, unemployment, technological change
4. To be able to understand the process of wage determination and development of generic skills to think critically, interpret and explore to be able to apply theory to practice and synthesize as well as evaluate data and other information.

Course Content

UNIT-I

12 hours

Nature and characteristics of labour markets in developing countries like India; Paradigms of labour market analysis –Classical and neo-classical; Demand for labour in relation to size and pattern of investment.

UNIT-II

10 hours

Supply of labour in relation to growth of labour force; Labour market policies; Mobility and productivity of labour; Rationalization; Methods of recruitment and placement; Employment service organization in India

UNIT-III

11 hours

Employment and development relationship-Poverty and unemployment in

developing Countries; International Labour Organization- Objectives, Principles and Functions; International Labour Organization and India

UNIT-IV

12 hours

Concept of social security. Social security measures in India. Important labor legislation in India: Industrial Disputes Act. Trade Unions Act. Factories Act and Employees State Insurance Act. Impact of I.L.O. on Labor Legislation. Woman and Child Labor. Recent labor laws: Minimum Wage Act.

Transaction Mode: Lecture, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Binswanger H.P. & Rosenzweig, M.R. (Eds.) (1984). *Contractual Arrangements, Employment, and Wages in Rural Labor Markets in Asia*. Yale University Press, New Haven.
- Das, N. (1960). *Unemployment, Full Employment and India*. Asia Publishing House, Bombay.
- Datt, G. (1996). *Bargaining Power, Wages and Employment: An Analysis of Agricultural Labour Markets in India*. SAGE Publications, New Delhi.
- Desphande L.K. and J.C. Sandesara, (Ed.). (1970). *Wage Policy and Wages Determination in India*. Bombay University Press, Bombay.
- Jhabvala, R. & Subrahmanya, R. K. (Eds.) (2000). *The Unorganised Sector: Work Security and Social Protection*. Sage Publications, New Delhi.
- Hicks J.R. (1932). *The Theory of Wages*. Clarendon Press. Oxford.
- Kannapon, S. (1983). *Employment Problems and Urban Labour Markets in Developing Countries*. University of Michigan, Ann Arbor.
- Lester, R.A. (1964). *Economics of Labour*, (2nd Edition), Macmillan,

New York.

- McConnell, C.R. & Brue, S.L. (1986). *Contemporary Labour Economics*, McGraw-Hill, New York.
- Papola, T. S. & Rodgers, G. (Eds.). (1992). *Labour Institutions and Economic Development in India*, International Institute for Labour Studies, Geneva.
- Rees, A. (1973). *Economics of Work and Pay*, Harper and Row, New York.
- Rosenberg M.R. (1988). *Labour Markets in Low Income Countries*, In Chenery, H.B. and
- T.N. Srinivasan, (Eds.), *The Handbook of Development Economics*, North-Holland, New York.
- Sen, A.K. (1975). *Employment, Technology, and Development*, Oxford University Press, New Delhi.
- Solow, R.M. (1990). *Labour Market as an Institution*, Blackwell, London. CO-PO and CO-PSO Matrix for the Cou.

Course Title: Statistical Methods in Economics

Course Code: MEO117

Total Hours: 45

L	T	P	Cr.
3	0	0	3

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Students will be able to learn about correlation and Regression analysis.
2. Understanding about sampling methods, Hypothesis testing and various statistical tests.
3. Students will be skillful about presentation of graphs, charts, various methods related to descriptive statistics on excel.

4. Students will enhance their skills about correlation, Regression analysis and estimation of simple, compound and exponential growth by using excel.

Course Content

UNIT-I

12 hours

Sampling and its Methods, standard error, hypothesis testing, test of significance, Type I and Type II errors level of significance, Power of a test, z, t, chi-square and F tests.

UNIT-II

10 hours

Correlation and regression: simple correlation, Pearson, spearman's correlation coefficients, multiple and partial correlation analysis specification of a simple linear regression model, least square estimation of linear regression coefficients, interpretation of correlation and regression coefficients and their properties.

UNIT-III 12 hours

Introduction to excel sheet, Presentation of the graphs and charts on excel. Statistical techniques and methods on excel: Addition, Subtraction, Multiplication and Division, Descriptive Statistics (Mean, Median, Mode, Standard Deviation and Co variance).

UNIT-IV

11 hours

Statistical Techniques on Excel: Correlation and Regression analysis by using Excel.

Estimation of Simple Growth, Compound Growth and Exponential Growth

on Excel.

Transaction Mode: Lecture, tutorial, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Gupta S. C. (1993). Fundamentals of Statistics|| S. Chand & Sons. New Delhi.
- Spiegel, M. R. (1992). Theory and problems of Statistics|| Schaum's outline series, McGraw Hill.
- Paul, M (2019). Microsoft Excel Formulas and Functions|| Pearson Education. Inc.
- Wayne, L. W. (2019). *Microsoft Excel Data Analysis and Business Modling* 6th edition Pearson Education, Inc.
- Greg Harvey, G. (2019). *Microsoft Excel for Dummies*|| Wiley Publications.

Course Title: Economics of Gender and Development

Course Code: MEO118

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Understand importance Gender and Women's Studies as an academic field of study and be familiar with its history and theories.
2. Explain demography of female population with special reference to

nutrition, health, education and social and community resources.

3. Understand factors affecting decision making by women.
4. Demonstrate skills for valuation of women's productive and unproductive work.
- 5.

Course Content

UNIT- I

10 hours

Introduction to Women Studies

Importance and concepts of women studies – women in patriarchal and matriarchal societies and structures, patrilineal and matrilineal systems and relevance to present day society in India; Economic basis and functioning of patriarchy in developed Countries and LDCs, particularly India.

UNIT-II

12 hours

Demographic Aspects

Demography of female population: Age structure, mortality rates, and sex ratio – Causes of declining sex ratios and fertility rates in LDCs and particularly India – Theories and measurement of fertility and its control; Women and their access to nutrition, health, education and social and community resources, and its impact on female mortality and fertility, economic status, and work participation rate

UNIT-III

13 hours

Women and Decision Making

Factors affecting decision making by women; Property rights; Access to and control over economic resources, assets; Power of decision making at household, class community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India.

UNIT-IV

10 hours**Issues in Women**

Work Concept and analysis of women's work: Valuation of productive and unproductive work, Visible and invisible work, Paid and unpaid-work, Economically productive and socially productive work. Factors affecting female entry in labour market; Supply and demand for female labour in developed and developing countries, particularly India; Studies of female work participation in agriculture, non-agricultural rural activities, informal sector, cottage and small-scale industries, organized industry and services sector.

Transaction Mode: Lecture, tutorial, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Boserup, E. (1970). *Women's Role in Economic Development*. George Allen and Unwin, London.
- Desai, N. & Raj, M.K. (Eds.). (1979). *Women and Society in India*. Research Center for Women Studies, SNDT University, Bombay.
- Government of India. (1974). *Towards Equality – Report of the Committee on the Status of Women in India*, Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- Krishnaraj, M., Sudarshan, R.M. & Shariff, A. (1999). *Gender, Population and Development*. Oxford University Press, New Delhi.
- Seth, M. (2000). *Women and Development: The Indian Experience*. Sage Publications, New Delhi.
- Srinivasan, K. & Shariff, A. (1998). *India: Towards Population and Development Goals*. Oxford University Press, New Delhi.
- Venkateswaran, S. (1995). *Environment, Development and the Gender Gap*. SAGE Publications, New Delhi.
- Wazir, R. (2000). *The Gender Gap in Basic Education: NGOs as Change Agents*. SAGE Publications, New Delhi.

Course Title: Economics of Population**Course Code: MEO119**

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Understand the various theories of population.
2. Understand about the concepts of fertility, mortality and life table
3. Learn about the importance of composition of structure.
4. Acquire knowledge about the techniques of population projection and the new population policy in India.

Course Content**UNIT-I****8 hours**

Meaning and scope of demography; Components of population growth and their interdependence; Theories of population — Malthus; Optimum theory of population; Theory of demographic transition.

UNIT-II**12 hours**

Fertility- Total fertility rate, gross reproduction rates, net reproduction rate; Factors affecting fertility, Socio-economic factors, economic status, health, education, nutrition, caste, religion, race, region, rural-urban. Mortality; Mortality at birth and infant mortality rate; Sex and age pattern of mortality; Factors for decline in mortality in recent past; Life table; Construction and uses.

UNIT-III**12 hours**

Population trends in the twentieth century, Population explosion, International aspects of population growth and distribution; Pattern of age and sex structure in more developed and less developed countries.

UNIT-IV

13 hours

Study of census in India— History of Census in India; Nature of information collected in 2001 and 2011 census in India; National Family Health Survey (NFHS) and District Level Household Survey(DLHS); their relative merits and demerits.

Transaction Mode: Lecture, tutorial, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Jacob S. Siegel and David A. Swanson (2004). *The Methods and the materials of Demography*, Second Edition, Elsevier Science. USA.
- John, W. (2005). *Population: An introduction to concepts and issues*. Wordsworth Learning. Singapore 9th edition.
- Bogue, D., (1969): *Principles of Demography*, John Wiley & Sons, New York.
- Pathak, K.B. and F. Ram, (1998). *Techniques of Demographic Analysis, Mumbai*. Himalaya Publishing House.
- Preston, S. H., Heuveline, P and Guillot, M. (2001). *Demography: Measuring and Modeling Population Processes*. Oxford: Blackwell Publishers.
- Bose, A. (1996). *India's Basic Demographic Statistics*, B.R. Publishing, Delhi.
- Agarwal, S.N. (1985). *India's Population Problem*, Tata McGraw Hill, Mumbai.

Semester-II

Course Title: Micro Economics**Course Code: MEO222**

L	T	P	Cr.
4	0	0	4

Total Hours: 60

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Apply Microeconomic tools to solve real life problems especially under uncertainty and game theory.
2. Able to understand new advances in the theory of firm and think critically analyze economic problems in the context of firm.
3. Adopt different analytical concepts and models in framing development and policy relevant problems particularly factor pricing and income distribution.
4. Understand the effects of various decisions on welfare of people through general equilibrium analysis.

Course Content**UNIT-I****18 hours**

Oligopoly: non collusive models –Cournot, Bertrand, kinked demand models; Collusive Models: joint profit maximizing market sharing and leadership cartels. Critique of neoclassical theory of firm. Theory of Games – Two-person, Zero-sum game, Pure and Mixed strategy, Saddle Point Solution

UNIT-II**15 hours**

Alternative theories of firm: Baumol's Sales maximization model (simple, static without advertisement model) Morris and Williamson Average/full cost pricing, Bain's limit pricing model, behaviouralist model of Cyert and March.

UNIT-III 15 hours

Neoclassical theory of factor pricing under competitive condition, with

monopolistic power in product market, monoposonistic power in factor market, bilateral monopoly in factor market, monopoly in factor market. Product exhaustion problem. Neoclassical theory of rent, quasi-rent, interest and profit. Issues in General Equilibrium analysis.

UNIT-IV

12 hours

Concept of social welfare, some early criteria, Pareto optimality criterion and efficiency conditions, Bergson's social welfare function, idea of theory of second best and Arrow's impossibility theorem, compensation criterion. Market structure and welfare maximization. Market failure- case of externality and public goods; and ways of correcting it **Transaction Mode:** Lecture, case study, blended learning, problem solving, discussion & demonstration, self-study.

Suggested Readings

- Koutsoyiannis, A. *Modern Micro Economics*, McMillan Press, London,
- Bain, J. (1958). *Barriers to New Competition*. Harvard University Press, Harvard.
- Borch, K.H. (1968). *The Economics of Uncertainty*. Princeton University Press, Princeton.
- Da Costa, G.C. (1980). *Production, Prices and Distribution*. Tata McGraw Hill, New Delhi.
- Green, H. & Walsh, V. (1975). *Classical and Neo-Classical Theories of General Equilibrium*. Oxford University Press, London.
- Hansen, B. (1970). *A Survey of General Equilibrium Systems*. McGraw Hill, New York.
- Koutsoyiannis, A. (1979). *Modern Microeconomics (2nd Edition)*. Macmillan Press, London.
- Salvatore, D. (2005). *Microeconomics Theory*. Schaum's Outline series, Tata McGraw Hill.
- Varian, H. (2000). *Microeconomic Analysis*. W.W. Norton, New York.

- Varian, H. (2003). *Intermediate Microeconomics*. East-West Press.
- Weintrub, E.R. (1974). *General Equilibrium Theory*. Macmillan, London.

Course Title: Macro Economics-II

Course Code: MEO223

L	T	P	Cr.
4	0	0	4

T

Total Hours: 60

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Learn and explain various theories of demand for money
2. Understand the theories of money supply and interest rates.
3. Identify the phases of the business cycle/inflation and the problems caused by cyclical fluctuations in the market economy and to show an ability to reflect on how economic shocks affect aggregate economic performance in the short and long term.
4. Explain the components of aggregate economic activity in an open economy framework.

Course Content

UNIT-I

12 hours

The Demand for and Supply of Money The Demand for Money: Classical Approach (Quantity Theory of Money) - Fisher's and Cambridge Version; Keynes Approach (Liquidity Preference Theory); Post Keynesian Approaches - Tobin (Portfolio Balance Approach), Baumol (Inventory Theoretic Approach) and Friedman (Restatement of Quantity Theory of Money) Supply of Money: Components, Determinants of Money Supply - High Power Money, Money Multiplier

UNIT-II**15 hours**

Money and Financial Markets: Role, Structure and Functions of Money; Capital Markets Inflation: Demand Pull and Cost Push Theories of Inflation; Trade Off and Non Trade Off between Inflation and Unemployment- The Phillips Curve (short Run and Long Run); Inflationary Pressure Curve and the Natural Rate of Unemployment.

UNIT-III**18 hours**

Process of Income Determination and Trade Cycles The Investment Multiplier- Static and Dynamic Theories of Trade Cycles: Samuelson, Hicks and Kaldor.

UNIT-IV**15 hours**

Open Economy Macro Economics Saving and Investment in a Small Open Economy; The Determination of National Income in Open Economy; Demand and Supply of Foreign Exchange; The International Transmission of Disturbance under Fixed Exchange Rate and Flexible Exchange Rate (Mundell- Fleming Model).

Transaction Mode: Lecture, case study, blended learning, problem solving, discussion & demonstration, self-study.

Suggested Readings

- Bain, K. & Howells, P. (2009). *Monetary Economics: Policy and its Theoretical Basis*. Macmillan International Higher Education.
- Frisch, H. (1983). *Theories of Inflation*. Cambridge University Press.
- Galbacs, Peter (2015). *The Theory of New Classical Macroeconomics: A Positive Critique*. Springer.
- Gali, J. (2015). *Monetary Policy, Inflation and Business Cycles*, Princeton University Press.
- Handa, J. (2000). *Monetary Economics*, Routledge, London.
- Jha, R. (1991). *Contemporary Macroeconomic Theory and Policy*. Wiley Eastern Limited.
- Levacic, R & Rebmann, A (2015) *Macroeconomics*, Macmillan, London.
- Lucas, R.E. (1983). *Studies in Business Cycle Theory*, MIT Press.
- Mankiw, G. N. (2003). *Macroeconomics*, Worth Publishers.
- Mishkin, F.S. (2016). *The Economics of Money Banking and Financial Markets*. Pearson.
- Romer, David (2012). *Advanced Macroeconomics*. McGraw Hill Education.
- Romer, D. & Mankiw, N. Gregory (1995). *New Keynesian Economics* (Volume-2). MIT Press.
- Sheffrin, Steven M. (1996). *Rational Expectations*. Cambridge University Press.

Course Title: Development Economics

Course Code: MEO214

L	T	P	Cr.
2	0	0	2

Total Hours: 30

Course Learning Outcomes: On the completion of this course, the students will be able to

1. To know about mutually inter dependence of agriculture and industry and their role in economic development. Roles of institutions and markets in economic development.
2. To develop an insight in the issues of international trade, theory, policy, promotion and its relationship with growth & development.
3. To understand about fiscal and monetary policies in economic development and know also about establishing the stability in an economy. Projections about the project by using cost benefit analysis.
4. To acquaint the students about the needs of plans, techniques of plans. Important roles of new growth theory in economic development.

Course Content

UNIT-I

6 hours

Sectoral Aspects of development; Importance of agriculture and industry in economic development. Role of institutions – Government and Markets. Poverty – indicators and measurement.

UNIT-II

8 hours

Trade and development: Trade as an engine of growth, two gap analysis, Prebisch, Singer and Myrdal views, gains from trade and LDCs; Role of foreign Direct investment (FDI) and Multi-national corporations (MNCs) in the emerging scenario.

UNIT-III

8 hours

Objects and role of monetary and fiscal policies in economics development; Choice of techniques and appropriate technology; Investment Criteria; Cost-benefits analysis.

UNIT- IV**8 hours**

Techniques of planning; Plan Models in India; Planning in a market-oriented economy; Endogenous growth; role of education research and knowledge – Explanation of Cross country differentials in economic development and growth.

Transaction Mode: Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

SUGGESTED READINGS

- Adelman, I. (1961). *Theories of Economic Growth and Development*. Stanford University Press, Stanford.
- Ghatak, S. (1986). *An Introduction to Development Economics*. Allen and Unwin, London. Higgins, B. (1959). *Economic Development*. W.W. Norton, New York.
- Hirschman, A.O. (1958). *The Strategy of Economic Development*. Yale University Press. New York. Kindleberger, C.P. (1977). *Economic Development*. McGraw Hill, New York.
- Lewis, W.A. (1955). *The Theory of Economic Growth*. George Allen and Unwin.
- London. Thirlwal, A.P. (1999). *Growth and Development*. Macmillan, U.K.
- Meier, G.M. & Rauch, J.E. (2005). *Leading Issues in Economic Development*. Oxford University Press, New Delhi.
- Menard, C.& Shirley, M.M. (2008). *Handbook of New Institutional Economics*. Springer Science & Business Media.
- Todaro, M.P. & Smith, S.C. (2003). *Economic Development*. Pearson Education, Delhi. Aydin, H. I., Ziolo, M.&Balacescu, A. (Eds.). (2017). *Economic Development: Global & Regional Studies*. IJOPEC Publication, London.
- Todaro, M.P.& Smith, S.C. (2003). *Economic Development*. Pearson

Education, Delhi.

Course Title: Academic Writing

Course Code: MEO215

Total Hours: 30

L	T	P
2	0	0

Course Learning Outcomes: After successful completion of this course, the students will be able to

1. Identify the different stages in academic writing
2. Develop an ability to paraphrase and summarize academic texts and synthesize information
3. Develop an ability to format academic manuscripts using a chosen publication style
4. Develop an ability to write academic paper

Course Content

UNIT-I

7 hours

Introduction to Academic writing: Meaning, Purpose of academic writing, features of academic writing, Types of academic writing: note-making, paraphrasing, summarizing.

Literature review: Introduction, Source of literature, process of literature review, Online literature databases.

UNIT-II**8 hours**

Genres of Academic Writing: Review based research paper writing, research proposal writing, Abstract, Conference paper, Book, Book chapter writing, Thesis writing.

Challenges in Indian research & Writing; Time Management/Qualitative Research. Referencing and citation.

UNIT-III**8 hours**

Process of Academic Writing: Background to writing, developing plans from titles, evaluating a text, Reading and Note-Making, understanding purpose and register, selecting key points, Note-making, Paraphrasing, Summary writing, Conclusions, Proof-reading.

Planning a text Writing Stages, Organising paragraphs, Organising the main body, Introductions, Conclusions, Re-reading and re-writing, Proof-reading Planning a text Writing Stages, Organising paragraphs, Organizing the main body, Introductions, Conclusions, Re-reading and re-writing, Proof-reading

UNIT-IV**7 hours**

Ethics of Academic Writing: Use & Importance.

Plagiarism: Introduction; Tools for the detection of plagiarism: Ouriginal and Turnitin, Strategies for avoiding plagiarism.

Difference between seminar/conference/Symposium/workshop/panel discussion.

Concept of Research paper/Article/Dissertation/Thesis, Steps for Draft, Prepare the Model/Draft.

Suggested Readings

- Frodesen, J & Wald, M. (2016). *Exploring options in academic writing:*

Effective vocabulary and grammar use. Ann Arbor: The University of Michigan Press. (ISBN: 978-0-472-03426-0).

- Swales, John M., & Feak, Christine B. (2012). *Academic writing for graduate students: Essential tasks and skills (3rd ed.)*. Ann Arbor: The University of Michigan Press. (ISBN: 978-0-472-03475-8)
- There is no textbook required for the course. However, you are expected to access selected chapters of books/articles through ARES: <https://reserves.usc.edu/ares/>

Course Title: Financial Marketing

Course Code: MEO216

L	T	P	Cr.
2	0	0	2

Total Hours: 30

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Understand the financial system: its structure and functions and equilibrium;
2. Understand the way the different rates of interests are determined
3. Appreciate the functioning and importance of different banking and non-banking financial institutions and their role in a developing economy
4. Explain the role and structure of money and capital markets.

Course Content

UNIT-I

9 hours

Financial Markets and Financial Institutions: The role and structure of Financial Markets in the Economy. Functions of Financial Institutions.

Introduction to Corporate Finance: Various Methods of Corporate

Finance, Goals of Financial Management, Cost of Capital and the Capital Structure.

UNIT-II

10 hours

Supply of Securities: Regulations Governing Supply of Securities, General Characteristics of Securities – Government Bonds – Index Linked Bonds – Corporate Securities, Mutual Funds and Money Market Funds.

Demand for Securities: The Time Dimension – Present Value and Duration, Yields on Zero-Coupon Bonds. Measurement of risk, Expected Utility Approach, Mean Variance Portfolio Theory, Portfolio Diversification.

UNIT-III

11 hours

Efficiency of Securities Markets: Efficient Market Hypothesis (EMH), The Capital Asset Pricing Model (CAPM), The Arbitrage Pricing Theory (APT).

Securities and Exchange Board of India (SEBI) – Role and Functions. Recent Reforms in the Indian Financial Market.

Development Financial Institutions: Role, Growth and Structure of Development Financial Institutions in India. Types and Control of Non - Banking Financial Companies (NBFCs) by RBI.

UNIT-IV

10 hours

International Monetary System: IMF and International Liquidity. European Monetary System – Features of the Maastricht Treaty and Post Maastricht Treaty Developments.

Foreign Exchange Market: Nature, Organization and Participants.

Transaction Mode: Lecture, tutorial, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Bhole, L. M. (2002). Financial Institutions and Markets, Tata McGraw Hill Publishers Company Ltd., New Delhi.
- Eatwell, J and Taylor L. (2003). International Capital Markets, System in Transition, Oxford University Press, Delhi.
- Fabozzi, F.J. and Modigliani F (Third Edition) *Capital Markets, Institution and Instruments*, Prentice Hall of India Pvt. Ltd., New Delhi.
- Khan, M. Y. (2000). Indian Financial System, Tata McGraw Hill, New Delhi. Government of India, Economic Survey (Recent Issues).
- Reserve Bank of India, Various Reports.

Course Title: Punjab Economy

Course Code: MEO217

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Describe the basic problems of Punjab economy.
2. Examine recent developments in Industrial Policy in Punjab.
3. Know the pattern of devolution of resources from Centre to Punjab.
4. Compare the emerging pattern of revenue and expenditure in Punjab.

Course Content

UNIT-I**10 hours**

Introduction to Punjab Economy Structure of the economy; Population problem, Unemployment, Physical infrastructure: Role, growth and performance.

UNIT-II**11 hours**

Agriculture: Output and cropping pattern, Green Revolution, its impact and implications. Agricultural Diversification; Need, potential and constraints; rural credit, Agricultural Marketing; Contract farming: Need, growth and problems.

UNIT-III**12 hours**

Industrial Development: Pattern, performance and potential, State and Industrial development; Recent development in Industrial Policy in Punjab; Disinvestments in industries, Impact of W.T.O. on Punjab's Industrial Development.

UNIT-IV**12 hours**

Financial relations between centre and states, Recommendations of the latest Finance Commission; Pattern of devolution of resources from Centre to Punjab. State Finances: Emerging pattern of revenue and expenditure in Punjab, Fiscal crisis in Punjab: Causes, impact, solutions.

Transaction Mode: Lecture, discussion & case studies.

Suggested Readings

- Kaur, Paramjit (2013). *Punjab Economy: Performance and Prospects*, Regal Publisher.
- Singh, L. and Singh, N. (2016). *Economic Transformation*

of a Developing Economy: The Experience of Punjab, India, Springer.

- Singh, L. & Bhangoo, K. S. and Sharma, R. (2016). *Agraria Distress and Farmer Suicides in North India*, Routledge, India.
- Dutt, P. S. and Gill, S.S. (1995). *Land Reform in India: Intervention for Agrarian Capitalist Transformation in Punjab and Haryana*, Sage Publication.
- Singh, I., Singh, S. and Singh, L. (2014). *Punjab's Economic Development in the Era of Globalization*, L G Publishers.
- Bawa R. S., P. S. Raikhy & Dhindsa, P. (2001). *Globalization and Punjab Economy. India: Punjab School of Economics, (DRS-UGC)*, Guru Nanak Dev University.
- Dhesi, A. S. and Singh, G. (2007). *Rural Development in Punjab: A Success Story Going Astray*, Routledge.
- Hoover, F.M. (2010). *An Introduction to Regional Economics. Ryerson: McGraw-Hill*.
- Bawa, R. S. & Raikhy, P. S. (2000). *Punjab Economy: Emerging Issues*. India: South Asia Books G.N.D.U.
- Chadha, G. K. (1986). *The State and Rural Transformation: The Case of Punjab, 1950-85*, Sage Publication.
- Deshpande, R. S. & Arora, S. (2010). *Agrarian Crisis and Farmer Suicides*. New Delhi: SAGE Publications India Private Limited.
- Datt, R. (Ed.) (2001). *Second Generation Economic Reforms in India*. Deep & Deep Publications, New Delhi.

L	T	P	Cr.
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3	0	0	3
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Course Title: Economics of Health and Education

Course Code: MEO218

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Describe the basic concepts of Health and Education and relationship with Macroeconomics.
2. Examine the cost benefit analysis of health and education sector.
3. Demonstrate the various models to determinate the quality of Education.
4. Analyse the Education sector in India.

UNIT- I

15 hours

Health and Education: Role of health and education in human development, importance in poverty alleviation; health and education outcomes and their relationship with macroeconomic performance.

Microeconomic Foundations of Health Economics: Demand for health; uncertainty and health insurance market; alternative insurance mechanisms; market failure and rationale for public intervention; equity and inequality.

UNIT- II

15 hours

Cost and Health Programs: Evaluation of health programs, costing, cost effectiveness and cost-benefit analysis; burden of disease.

Health Sector in India: An overview, health outcomes; health systems; health financing.

UNIT– III

15 hours

Education: Investment in human capital, economics of education (formal, informal, on-the-job training and re-training), Becker's model.

Rate of Return to Education: Private and social; quality of education; signaling or human capital; theories of discrimination; gender and caste discrimination in India.

UNIT– IV

15 hours

Education Sector in India: An Overview, Literacy rates, school participation, school quality measures.

Transaction Mode: Lecture, discussion & case studies.

Suggested Readings

- William, J. (1999). *Principles of Health Economics for Developing Countries*, World Bank Institute Development Studies.
- World Development Report. (1993). *Investing in Health*, The World Bank.
- Ronald G., Ehrenberg and Robert S. (2005). *Modern Labor Economics: Theory and Public Policy*, Addison Wesley, 2005.
- Campbell, R McConnel and Brue, Stanley L. (2017). *Contemporary Labor Economics*, McGraw-Hill Book Company, New York.

- World Education Reports (Latest).
- World Health Organization Report.

Course Title: Economics of Money & Banking

Course Code: MEO219

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Gain the knowledge of various theories associated with demand and supply of money.
2. Explain the determinants of the level and term structure of interest rates.
3. Describe the working of commercial banks.
4. Understand the various money and capital market instruments.

Course Content

UNIT-I

12 hours

Introduction to Money: Meaning, Nature and functions; Quantity Theory of Money–Classical, Keynesian, Monetarists; Theories of Money Supply, Components of Money Supply; Measures of Money Supply; Determinants of Money Supply; Money Multiplier. Liquidity Approach to Monetary Theory-Gurley-Shaw Thesis, Radcliffe Committee Report.

UNIT-II

12 hours

Demand for Money – Classical Theory, Keynes' Theory, Portfolio Balance Theory, Friedman's Theory; Monetary Policy–Meaning, Objectives, and Instruments; The structure of interest rate – term structure and yield curve; Theories of term structure of interest rates.

UNIT-III

10 hours

Financial System – Different theories & Approaches; Financial Markets –Functions and Types; Money Market and Capital Market – nature, functions and instrument; Structure of Indian money and capital markets; Theoretical perspectives on financial and real sectors.

UNIT-IV

11 hours

Banking – Theories of Banking; Commercial and Central Banking Systems – Functions, Credit Creation and Credit Control; Banking and Non-Banking Financial Intermediaries in India; RBI – Functions, Monetary Policy – Methods and Recent Changes in India; International Monetary policy transmission mechanism.

Transaction Mode: Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

Suggested Readings

- Bhole, L. M. (2004). *Financial Institutions and Markets: Structure, Growth and Innovations*. India: Tata McGraw-Hill Education
- Gautam, S.K.(2012). *Money, Banking and Finance*. Mumbai, Vakratund Publishers.

- Hajela, T. N (2009). *Money and banking: Theory with Indian Banking*. New Delhi, Ane books Pvt. Ltd.
- Hajela, T.N. (2015). *Money Banking and Public Finance*. New Delhi, Ane Books Pvt. Ltd.
- Iyenagar (2011). *Money Matters: Macroeconomics and Financial Markets*. New Delhi, Sage publications.
- Mithani, D.M. (2013). *Money, Banking, International Trade and Public Finance*. New Delhi, Himalaya publishing house.
- Poonia, V. (2012). *Money banking in India*. New Delhi, Srishti books distributors.
- Popli, G. S., Jain, A. (2015). *Principles and Systems of Banking*. PHI Publishing.
- Uppal, R.K (2011). *Money Banking and Finance: Evolution And Present Structure*. New Delhi, new century publications.
- Zola, Emile (2014). *Money*. New Delhi, Oxford University press.

Course Title: Agricultural Economics

Course Code: MEO220

L	T	P	Cr.
3	0	0	3
T			

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Acquire knowledge and analytical skills in addressing the issues of agricultural marketing.
2. Recognize the agricultural policies and its effect on sustainable agricultural development.
3. Evaluate the risk and uncertainties associated with agriculture.
4. Enhancing expertise in improving the performance of the marketing institutions and the players in marketing of agricultural commodities.

Course Content

UNIT-I

11 hours

Meaning and scope of economics of agriculture, Factors affecting agricultural development: technological; institutional and general. Interdependence between agriculture and industry. Role of Agriculture in Economic Development.

UNIT-II

12 hours

Systems of farming: Peasant farming; Capitalistic farming; state farming; collective farming and co-operative farming, Land reforms- the theoretical issues: meaning; ownership vs. tenancy cultivation, objectives of land reforms and role of land reforms in economic development. Problems of Agriculture labor and small farmers.

UNIT-III

10 hours

Approaches to Agricultural development: Lewis Model; Ranis-Fei Schultz Model. Rural indebtedness and causes of rural indebtedness.

UNIT-IV

12 hours

Concept of production function; input-output; Terms of Trade between

Agriculture and Industry. Recent Trends in Agricultural Growth in India: growth of output and productivity causes of low agricultural productivity in India. GATT, WTO and Indian agriculture and impact of WTO on Indian agriculture.

Transaction Mode: Lecture, case study, discussion, field visits and demonstration, blended learning.

SUGGESTED READINGS

- Acharya, S.S. and Agarwal, N. L. (2020). *Agricultural Marketing in India*. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.
- Lekhi, R. K. And Singh, J. (2015). *Agricultural Economics: An Indian Perspective*. Ludhiana, Kalyani Publishers.
- Reddy S. S., Ram, P. R, Sastry, T. V. N, Devi, I. B. (2015). *Agricultural Economics*. New Delhi, India, Oxford and IBH Publishing Co. Pvt. Ltd.
- Soni, R. (2004). *Leading Issues in Agricultural Economics*. New Delhi: Vishal Publishing.
- Nain, S. S (2017). *Introduction to Agricultural Economics*. CBS Publishers and Distributors.

Course Title: Rural Economics

Course Code: MEO221

Total Hours: 45

L	T	P	Cr.
3	0	0	3

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Use the above knowledge to approach regional development issues (sectoral or economy-wide).
2. Analyze a region and recommend specific strategies to address regional development issues.
3. Communicate information, ideas, problems and solutions of regional issues.
4. Identify the concepts of convergence, divergence and regional growth.

Course Content

UNIT-I

12 hours

Concept of Space and Region. Types of Region: homogeneous, nodal and programming. Regional Income Accounts and Social Accounting. Accounting for Underdeveloped Regions and Developed Open Regions.

UNIT-II

10 hours

Dualism and Balanced Regional Development. Convergence and Divergence. Regional Linkages spread and backwash effects. Regional Multipliers-the economic base type.

UNIT-III

12 hours

Transportation and Location: Transport costs as a location factor. Weber's Theory of Location: locational and weight triangles and minimization of transport costs. Coefficient of Localization, Localization Curves and Ratios, and Related Concepts.

UNIT-IV

11 hours

Regional Allocation of Resources. Regional Investment Criteria. Interrelationship between Regional and National Cycles. Regional Imbalances-Regional Income Inequalities in India.

Transaction Mode: Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

SUGGESTED READINGS

- Capello, R. (2020). *Regional Economics*. Routledge.
- Isard, W. (1976). *Methods of Regional Analysis*. The MIT Press, Massachusetts and London, England.
- Smith, D. (1971). *Industrial Location: An Economic-Geographic Analysis*. John Wiley, New York.
- Needleman, L (ed.) (1968). *Regional Economics*. Penguin Books, Ltd
- Scott, L and Randall, J (2020). *An Introduction to Regional Economics*, Regional Research Institute. West Virginia University.

Course Title: Economics of Human Resource Development

Course Code: MEO210

L	T	P	Cr.
3	0	0	3

Total Hours: 45

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Effectively apply important terminology, facts, concepts, principles and analytic techniques in the field of human resources development.
2. Integrate important theories in the field of human
3. resources development to multifaceted human resources development problems in complex factual situations.
4. Explore the knowledge, skills and abilities relevant in a wide variety of different human resources development.
5. Develop conceptual understanding of human resources development and a "working knowledge" of a wide range of individual, group and organization, development strategies and tactics.

Course Content

UNIT-I

12 hours

Human Resource Development (HRD): Human Resource Development in National Perspective. Relevance of Human Resource Development in India. Human Resource Development in Organizational Perspective. Traditional and Modern Approaches to Human Resource Development. Human Resource Development in Global Perspective. Emerging Human Resource Management Concepts in New Millennium; Human Resource Information System.

UNIT-II**10 hours**

Human Capital: Concept and Measurement of Human Capital. Investing in Human Capital: Becker's Model. Concept of 'On the Job Training' and Re-training. Endogenous Growth: Role of education, Research and Knowledge: Arrow, Romar and Lucas Models.

UNIT-III**12 hours**

Managing Human Resources: Techniques of Labor Demand Forecasting, Establishing Pay Plans, Various Incentive Schemes. Internal Labor Market. Asymmetric Information in the Functioning of the Human Resource Market: Principal Agent Problem, Market Signaling, Efficient Wage Theory. Government and Labor Market: Employment, Expenditure and Legislation.

UNIT-IV**11 hours**

Human Resources Development and Challenges: Migration as Human Capital Investment, Rural-Urban Migration (Harris-Todaro Model), Welfare Implications of International Migration; Emerging Challenges of Migration and Issue of Brain Drain. Economics of Discrimination - Concept, Types, Models of Discrimination. (Becker, Crowding Model, Monopsony Model and

Theory of Statistical Discrimination).

Transaction Mode: Lecture, case study, problem solving, group discussion & demonstration, self-study, blended learning.

Suggested Readings

- Campbell, R. M., Brue, S. L. A. and D. A. Macpherson (2010). *Contemporary Labour Economics*, 8th Ed. McGraw Hill Book Company, New York.
- Kempton, J. (1995). *Human Resource Management and Development: Current Issues and Themes*, MacMillan, St. Martin's Press, London.
- Mankin, D. (2009). *Human Resource Development*, New Delhi, Oxford University Press.
- Richard, B. P. (2005). *Systematic Management of Human Resources*. Lam Tracy Addison Wesley Publishing Company, London.
- Bellante, D. and J, M. (1979). *Labor Economics: Choice in Labor Markets*. Jackson, Mc GrawHill Book Company, New York.
- Sen, A.K. (1999). *Employment, Technology and Development*, Oxford University Press, New Delhi.
- Solow, R.M. (1990). *Labour Market as an Institution*, Blackwell, London. 5. Standing, G. & V. Tokman.
- Stoney, John J. (ed.) (2001). *Towards Social Adjustment*, ILO, Geneva (Eds.) *Human Resource Management: A Critical Text*, Rutledge, London.
- VenkataRatnam, C.S. (2001). *Globalization and Labour Management Relations: Dynamics of Change*. SAGE Publications/Response Books, New Delhi.

Semester-III**Course Title: Course Name: Political Economy****Course Code: MEO306**

L	T	P	Cr
2	0	0	2

Total Hours 30

1. Understand the foundational concepts and theories of political economy, including classical, Keynesian, and Marxist approaches.
2. Analyze the relationship between politics and economics in shaping public policies and government interventions.
3. Evaluate the role of international trade theories and financial crises in global political economy.
4. Critically examine the political economy of global institutions like the WTO, IMF, and G7/G20, and their impact on global governance and development.

Course Content**Unit I****8 hours**

Introduction to Political Economy: definition, scope, and approaches. Classical political economy: Adam Smith, David Ricardo, and Karl Marx. Skill Enhancement Content: Critical Analysis: Compare the political economy approaches of classical economists (e.g., Smith vs. Marx).

Unit II**8 hours**

Modern Political Economy: Keynesian and Neoclassical schools, globalization, and its impact on national economies. Skill Enhancement Content: Case Study: Analyze the effects of globalization on emerging economies.

Unit III**8 hours**

Political Economy of Development: the role of international organizations (IMF, World Bank). Development vs. underdevelopment debate. Skill Enhancement Content: Presentation: Present findings on the role of international organizations in development.

UNIT IV**8 hours**

Political Economy of Trade and Finance: Global Financial 61 MEC (2025-26) crises 2008. Political economy of global institutions: World Trade Organization (WTO), International Monetary Fund (IMF), and the G7/G20 - their influence on global trade.

Transaction Mode: Lecture, case study, blended learning, problem solving, discussion & demonstration, self-study.

Course Title: Course Name: Research Methodology

Course Code: MEO309

L	T	P	Cr
2	0	0	2

Total Hours 30

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

1. Discuss various research methods like qualitative, quantitative, descriptive, analytical, experimental, etc.
2. Outline the writing skills needed for research papers and report writings.
3. Compare and contrast interprets charts, tables and graphs, commonly found in Economics.
4. Design sampling and its different types.

Course Content**Unit I****8 hours**

Research in Social Sciences Nature Objectives and Steps of Research.
Scientific Research in the Study of Economics.

Unit II

8 hours

Types of Research, Hypothesis: Meaning, Types and Sources. Research Design: Meaning, Objectives, Types, and the major Steps in the Formulation of Research Design

Unit III

6 hours

Sampling: Meaning and Kinds, Tools and Techniques of Data Collection. Observation, Questionnaire, Schedule and Interview. Use of Encyclopedias, Research Guides, Handbook etc., Academic Databases for Economics Discipline

Unit IV

8 hours

Data Analysis: Data Preparation – Univariate analysis (frequency tables, bar charts, pie charts, percentages), Bivariate analysis – Cross tabulations and Chi-square test including testing hypothesis of association.

Transaction Mode: Lecture, Group Discussion, Quiz, Open Talk, Self-study, Assignment

Suggested Readings

- Creswell, John W. (2011). *Research Design: Qualitative, Quantitative and Mixed Methods Approaches*. Thousand Oaks: Sage Publications,
- De Vaus, D. A. (2011). *Surveys in Social Research (5th edn.)*. London: Routledge,
- Galderisi, Peter. (2015). *Understanding Political Science Statistics:*

Observations and Expectations in Political Analysis. New York and London: Routledge.

- Jesson, Lydia M., & Fiona M. L. (2011). *Doing Your Literature Review: Traditional and Systematic Techniques*. New Delhi: SAGE Publications Ltd.
- Kellstedt, M. P. & Guy D. W. (2013). *The Fundamentals of Political Science Research (2nd edition)*. Cambridge: Cambridge University Press,.
- Lester, J. D. & Jim D. L. Jr. (2007). *Principles of Writing Research Papers*. New York: Longman,
- McNabb, David E. (2015). *Research Methods for Political Science: Quantitative and Qualitative Methods (2nd edition)*. New York: Rutledge.
- Moses, J. W. & Torbjorn L. K. (2012). *Ways of Knowing: Competing Methodologies in Social and Political Research (second edition)*. China: Plagrave Macmillan,.
- Kothari C.K. (2004). *Research Methodology, Methods and Techniques'* New Age International, New Delhi,
- David, McNabb. (2004). *Research methods for Political Science. Quantitative and Qualitative Methods*, Prentice Hall, New Delhi.
- Babbie, Earl (2010). *The Practice of Social Research*, 12th ed., Belmont: Wadsworth.
- Bryman, Alan (2012): *Social Research Methods*, 4th ed., Oxford: Oxford University Press.
- Bryman, Alan, (2018), *Social Research Methods*, (5th ed.). New Delhi: Oxford University Press.
- Della Porta, Donatella and Michael Keating (2008): —How Many Approaches in the Social Sciences? An Epistemological Introduction, In: Donatella Della Porta and Michael Keating (eds.), *Approaches and Methodologies in the Social Sciences*, Cambridge: Cambridge University Press.
- Denzin, Norman and Yvonna Lincoln (2013): —Introduction: The Discipline and Practice of Qualitative Research, in Norman Denzin and Yvonna Lincoln, *Collecting and Interpreting Qualitative Materials*, London: Sage.

- Giri, Arunangshu, Biswas, Debasish, (2019), Research Methodology For Social Sciences, New Delhi: Sage Publications India Pvt Ltd.
- Kumar, Ranjit,(2019), Research Methodology A Step-By Step Guide For Beginners, (5thed.). New Delhi: Sage Publications Asia-Pacific Ltd.
- Lune, Howard, Berg, Bruce, L.(2017), Qualitative Research Methods For Social Sciences, (9thed.). Pearson India.
- Neuman, W. Lawrence, (2014), Social Research Methods: Qualitative and Quantitative Approaches, (7thed.). U.S.A: Pearson Education Limited.

Course Title: Course Name: Research Proposal

Course Code: MEO398

L	T	P	Cr
0	0	8	4

Total Hours 60

This course assigns a proposal project in which you will develop a 5 to 7-page paper that will take the shape of a dissertation proposal. The purpose of this course is to help the student think about research problems and their connections to the various methodological issues that we will study. This course will also help you to begin to consider a theory with which to analyze content. An initial draft will be the outline for this proposal project. In the final draft, you will address ideas about studying your topic from either a qualitative and quantitative methods. A mixed methods proposal will not be accepted. At the end of the semester, you will have a proposal defense presentation. This presentation will be timed and will last between 8 to 10 minutes. A template for the presentation will be provided.

Course Title: Ethics and IPR**Course Code: MEO315**

L	T	P	Cr
2	0	0	2

T**Total Hours 30****Course Content****UNIT-I****15 Hours**

Ethics: definition, moral philosophy, nature of moral judgements and reactions,

scope, Ethics with respect to science and research, Intellectual honesty and research

integrity Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)

Redundant publications: duplicate and overlapping publications, salami slicing,

Selective reporting and misrepresentation of data, Publication ethics: definition,

introduction and importance

UNIT-II**15****Hours**

Introduction to Intellectual Property rights: Concept & theories, Kinds of intellectual

Property Rights, Advantages & Disadvantages of IPR, Development of IPR in India,

Role & Liabilities of IPRs in India. Rights of trademark-kind of signs used as

trademark-types, purpose & functions of a trademark, trademark protection,

trademark registration, selecting and evaluating trade mark, trade mark registration process.

Suggested Readings

- Abraham, P. (2000). Duplicate and salami publications. *Journal of Postgraduate Medicine*. 46:67–69.
- Alston, J.M. and Rick, J.A. (2021). A beginner's guide to conducting reproducible research. *Bulletin Ecological Society of America*. 102 (2):01801.
- Anderson, P. A. and Boden, S. D. (2008). Ethical considerations of authorship. *SAS Journal*. 2(3): 155–158.
- Bavdekar, S.B. (2012). Authorship issues. *Lung India*. 29(1): 76-80.
- Beu, D. and Buckley, M.R. (2001). The hypothesized relationship between accountability and ethical behavior. *Journal of Business Ethics*. 34(1):57–73.
- Copyright.gov.in. A Hand Book of Copyright Law. Government of India, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry.
- Debnath, J. (2016). Plagiarism: A silent epidemic in scientific writing Reasons, recognition and remedies. *Medical Journal Armed Forces India*. 72(2): 164-167.

Course Title: Service Learning

Course Code: MEO396

L	T	P	Cr
0	0	4	4

Total Hours 45

The candidate will work on the area in which he/she has to carry out research under his/her supervisor. He/ She will do extensive survey in that area & after that prepare a survey paper. After presented the paper it must be sent for publication before MST-1. After carry out the survey area he/she will choose a topic from that area in which he has to carry out his research

for his dissertation work. He/she will then carry out extensive survey on that topic and will prepare a survey paper. He/she shall submit and present the paper and sent the paper for publication before MST-2. The paper must be published in UGC Approved Journals.

Course Title: Computer Lab

Course Code: MEO313

L	T	P	Cr
0	0	2	1

Total Hours 30

UNIT I

15 hours

Generating Charts/Graphs in Microsoft Excel, Power Point Presentation, Creating a new document with templates & Wizard, Word basics, Thesis Writing Formats & Scientific editing tools. Style Formats (MLA & APA).

Unit II

15 hours

Using Words Drawing Features, Inserting Tables – (Adding, deleting, modifying rows and columns - merging & splitting cells), Using formulas in tables, Converting text to table and vice-versa, Mail Merge tool. Managing Workbooks, Working with Worksheets.

Suggested Readings

- *Leon & Leon (2005). Introduction to Computers. Vikas Publishing House, New Delhi*
- *Saxena S. (2007). MS Office Xp for Everyone. Vikas Publishing House, New Delhi.*
- *June, J. P. (2017). Computer Concepts. Thomson Learning. 7th Edition, Bombay White, “Data Communications & Computer Network”,*

Thomson Learning, Bombay

- Comer, “Computer networks and Internet”, Pearson Education, 4e
Website/Links/OnlinePortal/ICT
- <https://www.researchgate.net>
- https://www.youtube.com/playlist?list=PLWPirh4EWFpF_2T13UeEgZWZHc8nHBuXp

Course Title: Proficiency in Teaching

Course Code: MEO397

L	T	P	Cr
2	0	0	2

Total Hours 30

On the completion of the course, the students will be able to

1. Design the learner-centered instructional plans and learning outcomes.
2. Apply innovative teaching strategies and technologies to engage learners.
3. Analyze the different assessment methods to evaluate student learning.
4. Reflect on teaching experiences and continuously improve teaching practices.
5. Develop effective communication and classroom management skills.

Course Content

UNIT I

10 hours

Overview of the course and its objectives - Theories of learning and their implications for teaching - Understanding the role of the teacher and student in the learning process - Writing clear and measurable learning outcomes –

Meaning Nature, definition, scope, and importance Pedagogy, Andragogy, and Heutagogy – Skills-based approach to teaching (Teaching skills), Micro-teaching, Macro teaching. Methods and approaches of teaching -

CAM, Structure-function approach, Synthetic and Analytic approach, Jurisprudential inquiry model

UNIT II

6hours

Understanding the diverse needs and backgrounds of learners - Creating an inclusive and supportive learning environment - Facilitating active learning and student engagement strategies

Lectures, discussions, and demonstrations - Group work, collaborative learning, and cooperative learning - Problem-based learning, case studies, and simulations.

UNIT III

7hours

Integrating technology tools into instruction – Online, blended learning, flipped learning, and M-learning approaches - Using educational software and platforms effectively

Formative and summative assessment methods – Difference between Assessment, Evaluation and Measurement, E-assessment tools,

UNIT IV

7hours

The importance of reflective practice in teaching - Self-assessment and evaluation of teaching effectiveness – Need for Professional development - Teaching in multicultural and international classrooms - Culturally responsive teaching practices

Meaning, Definition of teaching model - Assumptions, Importance, Role, and type of teaching models. Historical teaching model, Philosophical model of teaching

TRANSACTION MODE

Discussions, Case Studies, Microteaching, Classroom Observations, Peer Teaching: Video Analysis, Role-Playing, Lecture-cum-demonstration, Classroom Simulations, Reflective Journals/Blogs, Teaching Portfolios and Technology Integration, Flipped Teaching.

SUGGESTED READINGS

- Ali, L. (2012). *Teacher education*. New Delhi: APH Publishing Corporation.
- Anandan, K. (2010). *Instructional technology in teacher education*. New Delhi: APH Publishing Corporation.
- Bruce R Joyce and Marsha Weil, *Models of Teaching*, Prentice Hall of India Pvt Ltd, 1985.
- Chalan, K. S. (2007). *Introduction to educational planning and management*. New Delhi: Anmol Publications Pvt. Ltd.
- Chand, T. (2008). *Principles of teaching*. New Delhi: Anmol Publications Pvt. Ltd.
- Chiniwar, P. S. (2014). *The technology of teaching*. New Delhi: Anmol Publications Pvt. Ltd.
- Curzon, L. B., & Tummons, J. (2004). *Teaching in future education*. U.S.A: Bloomsbury Academic Publications.
- Das, R.C. (1993): *Educational Technology – A Basic Text*, Sterling Publishers Pvt. Ltd.
- Evaut, M. *The International Encyclopedia of Educational Technology*.
- Gage N L, *Handbook of Research on Teaching*, Rand Mc Nally and Co., Chicago, 1968.
- Graeme, K. (1969): *Blackboard to Computers: A Guide to Educational Aids*, London, Ward Lock.

- Haas, K.B. and Packer, H.Q. (1990): *Preparation and Use of Audio Visual Aids*, 3rd Edition, Prentice Hall, Inc.
- Haseen Taj (2006): *modern Educational Technology*, Agra: H.P Bhargava Book House.
- Jarvis, M. (2015). *Brilliant ideas for ICT in the classroom*. New York: Routledge Publications.
- Kumar, K.L. (2008): *Educational Technology*, New Age International Pvt. Ltd. Publishers, New Delhi (Second Revised Edition).
- Kumar, P. (2015). *Web-based technology in education*. New Delhi: APH Publishing Corporation.
- Mangal, S. K. (2014). *Advanced educational psychology*. New Delhi: PHI Learning Pvt. Ltd.
- Mohan, R. (2011). *Teacher education*. New Delhi: PHI Learning Pvt. Ltd.
- Mukhopadhyay, M. (1990): *Educational Technology – Year Book 1988*, All India Association for Educational Technology, New Delhi.
- Murty, K. (2015). *Educational technology*. New Delhi: APH Publishing Corporation.
- Popham, W. J. (2014). *Classroom assessment*. U.S.A: Pearson Publications.
- Purayil, A. V. (2015). *Educational technology*. New Delhi: APH Publishing Corporation.
- Ranford, C. P. (2013). *Strategies for successful student teaching*. New Jersey: Pearson Publications.
- Schrum, L., & Levin, B. B. (2015). *Leading 21st Century School*. U.S.A.: Sage Publications.
- Sharma R A, *Technology of Teaching*, International Publishing House, Meerut, 1988.
- Sharma, R. N., & Chandra. S. S. (2007). *Advanced educational technology*. New Delhi: Atlantic Publications.
- Siddiqui M S., and Khan M S., *Models of Teaching – Theory and Research*, Manas Publication, New Delhi, 1991

- Singh, & et. al. (2014). *Educational technology: teaching-learning*. New Delhi: APH Publishing Corporation.

WEBLIOGRAPHY

- wiki.eveuniversity.org
- www.adprima.com
- www.apa.org
- www.crlt.umich.edu
- www.edutopia.org
- www.eveuniversity.org
- www.facultyfocus.com
- www.reddit.com
- www.theteachersguide.com

Course Title: Regional Economics

Course Code: MEO316

L	T	P	Cr
4	0	4	4

Total Hours 60

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Understand and explain the basic concepts, scope, and significance of regional economics and regional disparities.
2. Apply location and growth theories to analyze the spatial distribution of economic activity and development across regions.
3. Evaluate regional planning strategies and policies, especially in the context of developing countries like India.
4. Analyze regional economic data using indicators and techniques such as shift-share and input-output analysis.
5. Critically examine contemporary regional issues, including migration, globalization, sustainable development, and climate resilience, through case studies.

Course Content

UNIT-I

15 Hours

Introduction to Regional Economics: Definition, scope, and importance of

regional economics; Types of regions: formal, functional, and planning regions; Economic space and spatial organization of activities; Causes and consequences of regional disparities; Evolution of regional economics as a field of study; Role of regional analysis in economic planning and policy.

UNIT-II

15 Hours

Theories of Regional Development and Location: Classical location theories: Von Thünen's agricultural land use model, Weber's industrial location theory, Christaller's central place theory

Regional growth theories: Cumulative causation (Myrdal, Hirschman), Core-periphery model, Endogenous growth theory Spatial clustering and agglomeration economies.

UNIT-III

15 Hours

Regional Planning and Policy: Objectives and types of regional planning; Indicators and measurement of regional disparities; Techniques in regional analysis: shift-share, input-output, and gravity models; Regional planning experiences: Developed vs Developing countries Regional development strategies in India: Special Economic Zones (SEZs), Backward area development programs, Decentralized planning.

UNIT-IV

15 Hours

Contemporary Issues in Regional Development: Migration, labor mobility, and regional labor markets; Urban-rural linkages and regional integration; Infrastructure, connectivity, and regional competitiveness; Globalization and its impact on regional economies; Sustainable and inclusive regional development; Climate change, regional resilience, and environmental planning; Case studies of successful and lagging regions

Transaction Mode

Lecture, case study, blended learning, problem solving, discussion & demonstration, self-study

Suggested Readings

- Richardson, H. W. (1978). *Regional economics*. Weidenfeld and Nicolson.
- Isard, W. (1960). *Methods of regional analysis: An introduction to regional science*. MIT Press.
- Hoover, E. M., & Giarratani, F. (1984). *An introduction to regional economics* (3rd ed.). Web Book of Regional Science.
[Available online:
<https://www.rri.wvu.edu/webbook/giarratani/contents.htm>]
- Myrdal, G. (1957). *Economic theory and underdeveloped regions*. Duckworth.

- Friedmann, J., & Alonso, W. (Eds.). (1975). *Regional policy: Readings in theory and applications*. MIT Press.

Course Title: Sustainable Development

Course Code: MEO317

L	T	P	Cr
2	0	0	2

Total Hours 30

Course Learning Outcomes: On the completion of this course, the students will be able to

1. Explain the history and key concepts of sustainable development, including MDGs and SDGs.
2. Describe the factors affecting sustainability from economic point of view.
3. Evaluate sustainability dimensions and frameworks using relevant indicators and metrics.
4. Analyze rural and global case studies to understand practical challenges and solutions in sustainable development.

Course Content

UNIT-I

10 Hours

Introduction to Sustainable Development: Glimpse into History and Current practices - Broad introduction to SD - its importance, need, impact and implications; definition coined; evolution of SD perspectives (MDGs AND SDGs) over the years; recent debates; 1987 Brundtland Commission and outcome; later UN summits (Rio summit, etc.) and outcome.

UNIT-II

10 Hours

Introduction to sustainability & its factors, requirements for sustainability: food security and agriculture, renewable resources - water and energy, non-renewable resources, factors and trade-offs, sustainability conflicts, a conceptual framework for linking sustainability and sustainable development.

UNIT-III

10 Hours

Economy; current challenges - socio-economic imbalance; sustainable development initiatives and policies of various countries: global, regional, national, local; needs of present and future generation- economic prospectives.

UNIT-IV

10 Hours

Case Studies & Projects on Rural Sustainable Development (Indian village perspectives) - Village resources (broad perspectives); current challenges and thematic areas; village economy; needs of present and future generation; sustainable development goals - bridging conflicts and way forward.

Course Title: Financial Marketing (Open Elective for Another department)

Course Code: OEC057

L	T	P	Cr.
2	0	0	2

Total Hours: 30

Course Learning Outcomes: On the completion of this course, the students will be able to

5. Understand the financial system: its structure and functions and equilibrium;
6. Understand the way the different rates of interests are determined
7. Appreciate the functioning and importance of different banking and non-banking financial institutions and their role in a developing economy

8. Explain the role and structure of money and capital markets.

Course Content

UNIT-I

9 hours

Financial Markets and Financial Institutions: The role and structure of Financial Markets in the Economy. Functions of Financial Institutions.

Introduction to Corporate Finance: Various Methods of Corporate Finance, Goals of Financial Management, Cost of Capital and the Capital Structure.

UNIT-II

10 hours

Supply of Securities: Regulations Governing Supply of Securities, General Characteristics of Securities – Government Bonds – Index Linked Bonds – Corporate Securities, Mutual Funds and Money Market Funds.

Demand for Securities: The Time Dimension – Present Value and Duration, Yields on Zero-Coupon Bonds. Measurement of risk, Expected Utility Approach, Mean Variance Portfolio Theory, Portfolio Diversification.

UNIT-III

11 hours

Efficiency of Securities Markets: Efficient Market Hypothesis (EMH), The Capital Asset Pricing Model (CAPM), The Arbitrage Pricing Theory (APT).

Securities and Exchange Board of India (SEBI) – Role and Functions. Recent Reforms in the Indian Financial Market.

Development Financial Institutions: Role, Growth and Structure of Development Financial Institutions in India. Types and Control of Non - Banking Financial Companies (NBFCs) by RBI.

UNIT-IV

10 hours

International Monetary System: IMF and International Liquidity. European Monetary System – Features of the Maastricht Treaty and Post Maastricht Treaty Developments.

Foreign Exchange Market: Nature, Organization and Participants.

Transaction Mode: Lecture, tutorial, problem solving, discussion & demonstration, blended learning.

Suggested Readings

- Bhole, L. M. (2002). Financial Institutions and Markets, Tata McGraw Hill Publishers Company Ltd., New Delhi.
- Eatwell, J and Taylor L. (2003). International Capital Markets, System in Transition, Oxford University Press, Delhi.
- Fabozzi, F.J. and Modigliani F (Third Edition) *Capital Markets, Institution and Instruments*, Prentice Hall of India Pvt. Ltd., New Delhi.
- Khan, M. Y. (2000). Indian Financial System, Tata McGraw Hill, New Delhi. Government of India, Economic Survey (Recent Issues).
- Reserve Bank of India, Various Reports.

Course Title: Dissertation

Course Code: MEO401

L	T	P	Cr
-	-	-	20

Total Hours 45

This course is designed for students to build on their research competencies from their methods courses. The purpose of this course is to get PG students going on their dissertation proposal writing, and become competent in basic research designs, which entails making judgments about matching research designs to particular research problems. In addition, students will become more aware of the issues to consider when making decisions about the assessment of their overall research. Students will learn how to develop literature and possible methodological means of investigation around their research topic. Emphasis will be on how to construct a research question that can be empirically addressed during the training. While the primary focus of this course is to write the dissertation proposal, the course refreshes the students on the basic concepts of research, focusing on conducting literature reviews, understanding theory, defining research problems. This syllabus is closely based on methods, collecting and analyzing data, communicating findings, and applying research to solving various economic problems. In addition, students should be able to understand the purposes, assumptions, and logic inherent in research methodologies.

COURSE TITLE: SEMINAR**COURSE CODE: MEO402**

L	T	P	Cr
0	-	2	1