सत्र 2025-26.

MAHARSHI DYANAND SARASWATI UNIVERSITY, AJMER

CHOICE BASED CREDIT SYSTEM
(Semester Scheme with Multiple Entry and Exit Option for Under Graduate Course)

Syllabus of Economics
B.A. Honours
Semester I to VIII Semester
2024-25 onwards

According to University Letter No. 3674-75 Dated 13.02.24, 21.02.24, Date. 23.02.24 and 11.03.2025 with written instructions of Minutes, Syliabus was prepared.

M.D.S. University, Ajmer

Semester Wise Scheme of Papers

B.A. Economics Honours

Year	Semester	DSCC, DSEC, SEC, VAC	Course Code	Course Nomenclature	Theory/ Tutorials	Credit	No. of Hrs. per week	Total no. of Teaching Hrs.	Assessment + Internal marks	Total marks 100
I[st] Year Certificate	I[st] Semester	DSCC I	ECO 7101 T-C	Micro Economics	T	6	6	90	70+30	100
	II[nd] Semester	DSCC I	ECO 7201 T-C	Indian Economy	T	6	6	90	70+30	100
II[nd] Year Diploma	III[rd] Semester	DSCC II A	ECO 7301 T-C	Macro Economics	T	6	6	90	70+30	100
		DSCC II B	ECO 7302 T-C	Economic History of India	T	6	6	90	70+30	100
		SEC	ECO 7303 T-S	Soft Skills Development	T	2	2	30	70+30	100
	IV[th] Semester	DSCC II A	ECO 7401 T-C	Economics of Growth and Development	T	6	6	90	70+30	100
		DSCC II B	ECO 7402 T-C	Quantitative Techniques I	T	6	6	90	70+30	100
		SEC	ECO 7403 T-S	Basic Computer Skills	T	2	2	30	70+30	100
III[rd] Year Degree	V[th] Semester	DSCC	ECO 7501 T-C	Money Banking and Public Finance	T	6	6	90	70+30	100
		DSEC I A	ECO 7502 E-C	Economy of Rajasthan	T	6	6	90	70+30	100
		DSEC I B	ECO 7503 E-C	Quantitative Techniques II	T	6	6	90	70+30	100
		SEC	ECO 7504 T-S	Fundamentals of Digital Marketing	T	3	3	45	70+30	100
		VAC	ECO 7505 T-S	Financial Literacy	T	3	3	45	70+30	100
	VI[th] Semester	DSCC	ECO 7601 T-C	International Economics	T	6	6	90	70+30	100
		DSEC I A	ECO 7602 E-C	Mathematics for Economics	T	6	6	90	70+30	100
		DSEC I B	ECO 7603 E-C	Indian Economic Thought	T	6	6	90	70+30	100
		SEC A	ECO 7604 T-S	Research Methodology	T	3	3	45	70+30	100
		SEC B	ECO 7605 T-S	Internship	P	3	---------	45	70+30	100
		VAC	ECO 7606 T-S	Digital Empowerment	T	3	3	45	70+30	100
IV[th] Year Degree with Honors	VII[th]	DSCC	ECO 7701 T-C	Advanced Microeconomic Theory	T	6	6	90	70+30	100
		DSCC	ECO 7702 T-C	Advanced Macroeconomic Theory	T	6	6	90	70+30	100
		DSEC I A	ECO 7703 E-C	Environmental Economics	T	4	4	60	70+30	100
		DSEC I B	ECO 7704 E-C	Introductory Econometrics	T	4	4	60	70+30	100
		DSEC II A	ECO 7705 E-C	Financial Economics	T	4	4	60	70+30	100
		DSEC II B	ECO 7706 E-C	International Finance	T	4	4	60	70+30	100
	VIII[th]	DSEC I A	ECO 7801 E-C	Data Analysis	T	4	4	60	70+30	100
		DSEC I B	ECO 7802 E-C	Behavioural Economics	T	4	4	60	70+30	100
		DSEC II A	ECO 7803 E-C	Demography	T	4	4	60	70+30	100
		DSEC II B	ECO 7804 E-C	Economics of Health and Education	T	4	4	60	70+30	100
		DSEC C	ECO 7805 E-C	Industrial Economics	T	4	4	60	70+30	100
		DSEC D	ECO 7806 E-C	Statistical Methods for Economics	T	4	4	60	70+30	100
		DSEC E	ECO 7807 E-C	Money and Financial Markets	T	4	4	60	70+30	100
	Dissertation in Major Subject OR Academic / Research Project / Apprenticeship / Internship OR DSE.				P	12	---------	90	70+30	100

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: I

DSCC I

ECO 7101-TC: Micro Economics

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objective:

This course intends to expose the students to the basic principles of Microeconomics and their applications.

The course will illustrate how microeconomic concepts can be applied to analyse real-life economic situations.

Learning Outcome:

On successful completion of the course the students will be able to –

1. Understand the fundamental principles of micro economics.
2. Develop analytical skills and critical thinking abilities to understand the business and economic environment.
3. Apply micro economics concepts in day-to-day economic behaviour.

Syllabus:

Unit I

Nature and scope of Micro Economics; Methodology in Economics; Choice as an economic problem; Utility: Cardinal and Ordinal approaches, Indifference curve – Concepts and properties, Budget line, Consumers equilibrium: Price, Income, and substitution effect. Demand and Supply- Basic framework and applications; Market equilibrium; Role of Price Mechanism; Elasticity of demand: Degrees of Elasticity of Demand.

Unit II

Production function: Law of variable proportions, Returns to scale, Concepts of Isoquants and Iso-cost line, least cost combination, Concept of Economies of scale; Expansion path; Different concepts of costs and their inter-relationship. Concepts of Revenue; Market Structures: Characteristics & Price and output determination under Perfect competition, Monopoly and Monopolistic Competition; Price discrimination under Monopoly;

Contd

Introduction of Oligopoly.

Unit III

Theories of Distribution: The Marginal Productivity Theory and Modern Theory; Theories of Wage Determination; Rent: Theories of Rent, Interest: Classical and Keynesian Theories; Profit: Innovation, Risk and Uncertainty Theories. Problems in measuring Welfare; Classical Welfare Economics; Pareto Criterion (Production, Consumption and Distribution); Concept of a Social Welfare Function; Compensation Principle: Kaldor and Hicks.

Reference Books:

1. Samuelson P.A & W.O Nordhaus (1998), Economics 16 Edition, Tata McGraw Hill, New Delhi.
2. Mankiw. Gregory. N (2007), Economics: Principles & Applications 4 Edition, India edition by South Western a part of Cengage Learning, Cengage Learning India Pvt. Ltd.
3. Koutsoyiannis, A (1979), Modern Microeconomics, 2 Edition, Macmillan Press, London.
4. Verian H. (2000), Microeconomics Analysis, W.W Norton, New York.
5. Ahuja H.L (2003), Advanced Economic Theory: Microeconomic Analysis, 13 Edition, S. Chand & Co. Ltd., New Delhi.

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: II

DSCC I

ECO 7201-TC: Indian Economy

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objectives:

1. On completion of the course, students will be able to develop an understanding of the basic structure of the Indian economy.
2. The course also enables the students to understand the agricultural and industrial structure, their problems, and contributions to the economy.
3. Lastly, it deals with foreign trade of the economy.

Learning Outcomes:

Students will develop a critical understanding of the contemporary issues in the Indian economy. Students will thus, be better prepared to face the professional world and can use this knowledge base in a variety of jobs, including in the corporate, civil service, and NGO sectors.

Syllabus:

Unit I

Major economic features of the Indian economy at the eve of independence; Sectors and Sub-sectors of the Indian Economy: Their income and employment generation; contribution to GDP; Basic economic indicators: GDP; Growth Rate; National Debt; Balance of Trade; Appraisal of growth and development status of Indian Economy; Fiscal and Monetary Policies

Unit II

Economic Planning in India – Historical background up to NITI Aayog; Objectives of Indian Planning; New Economic Policy (1991)-Objectives, Features, Impact on different sectors; Recent initiatives for development – MGNREGA; NRLM; Make in India Program Start Up India Scheme; Pradhan Mantri Kaushal Vikas Yojana.

Unit III

Role of agriculture in the Indian economy; Trend of share of Agriculture in GDP; Policies and

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performance in agriculture; Role of industry in the Indian economy; Trend of share of industry in GDP; Policies and performance in industry; MSME: Composition; Importance; Major Problems faced by MSME; New Industrial Policy 1991- Goals, Objectives, Main features; India's Foreign Trade- Composition of Foreign Trade; Direction of Foreign Trade; Foreign Trade Policy- Importance, Objectives, Features of current trade policy.

Reference Book:

1. Datt R. & K.P.M Sundharam (2022), Indian Economy, S. Chand & Co. Ltd., New Delhi.
2. Misra S.K & V.K Puri (2022), Indian Economy, Himalaya Publication House, Mumbai.
3. Agarwal A.N. (2022), Indian Economy: Problems of Development & Planning (2022).
4. Uma Kapila (2021-22), Indian Economy since Independence, Academic Foundation.
5. Nayak, P. Privatization. In K. Basu, A. Maertens (eds.): New Oxford companion to economics in India. Oxford University Press.
6. Latest Economic Survey of India

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: III

DSCC II A

ECO 7301-TC: Macro Economics

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objectives:

This course introduces students to the basic concepts in Macroeconomics. Macroeconomics deals with the aggregate economy. In this course the students are introduced to the macroeconomic variables like National Income, GDP, consumption, saving and investment. The course also discusses various theories of determining output and employment determination in the economy.

Learning Outcomes:

This course is useful for understanding various real economic issues and evaluating policy outcomes.

Syllabus:

Unit I

Nature and scope of Macroeconomics; Fallacy of Composition; Circular Flow of Income; National Income: Concepts and methods of measurement; Real and Nominal GDP; Problems in measurement of National Income; National Income and Welfare; Concept of Green accounting, The Classical model of determination of level of output and employment; Keynes' criticism against classical theory.

Unit II

Consumption Function, Saving Function – MPC and MPS, APC and APS; Factor affecting Consumption Function; Investment Function- Autonomous and Induced Investment; Marginal Efficiency of Capital (MEC) and Factors affecting MEC, Keynesian theory of Output, Employment and General Equilibrium; Keynesian theory of Effective Demand; Multiplier: Concept, operation, leakages, and weaknesses; Multiplier analysis in four sector economy; Accelerator: Concept, operation, and weaknesses.

Unit III

Trade cycles: Nature and characteristics; Keynes' view of trade cycle; Samuelson and Hicks' multiplier accelerator model of trade cycles; Control of trade cycles, Inflation and Unemployment: Inflation: Causes, types, consequences, and cures; relationship between inflation and unemployment: Phillips Curve in short run and long run.

Reference Books:

1. Shapiro, E. (1996), Macroeconomic Analysis, 5 th Edition, Galgotia Publications, New Delhi
2. Mankiw (2007), Principles of Macroeconomics, 4 Edition, Thomson South-Western, a part of Cengage Learning, Cengage Learning India Pvt. Ltd.
3. Dornbauch, R. & F. Stanley (1997), Macroeconomics, McGraw Hill Inc., New York
4. Ahuja, H.L (2011), Macroeconomics- Theory and Policy, S. Chand & Co. Ltd., New Delhi
5. K.C Rana & K.N Verma, (2014) Macroeconomics Analysis, Vishal Publishing house.
6. Errol D'Souza (2008), Macroeconomics, Dorling Kindersley (India) Pvt. Ltd., Pearson Education in South Asia
7. Branson, W.H., Macroeconomic Theory & Policy, Harper and Row, New York
8. Blanchard Olivier & Fisher Stanley, Lectures on Macroeconomics, Cambridge, MIT Press
9. Seth, M.L., Macro Economics, Laxmi Narayan Publications (Both in English & Hindi).
10. Ahuja, H.L., Advanced Macro Economics, S.Chand Publications. (Both in English & Hindi).

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSCC II B

ECO 7302-TC: Economic History of India (1857 – 1947)

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

This course analyses key aspects of Indian economic development during the second half of British colonial rule. In doing so, it investigates the mechanisms that linked economic development in India to the compulsions of colonial rule.

Learning Outcomes:

The course develops critical analytical skills and exposes students to understanding the intricacies of India's economic, political, and social developments both in the past and present times. It increases their employability by enhancing their ability to deal with a variety of textual and statistical sources, and to draw upon them to construct a coherent argument. These skills would be useful in a variety of careers in academics, research, journalism, and the government.

Syllabus:

Unit 1

Colonial India: background and introduction; Trends in national income, population; labour and occupational structure

Unit 2

Agriculture, agrarian structure, and land relations

Unit 3

Railways and industry; Economy and state in the imperial context

Reference Books:

1. Balachandran, G. (2016). Colonial India and the world economy, C. 1850 - 1940. In L. Chaudhary, B. Gupta, T. Roy, A. Swami (eds.): A new economic history of colonial India.
2. Bogart, D., Chaudhary, L. (2016). Railways in colonial India: an economic achievement? In L. Chaudhary, B. Gupta, T. Roy, A. Swami (eds.): A new economic history of colonial India.
3. Chaudhary, L., Gupta, B., Roy, T., Swami, A. (2016). Agriculture in colonial India. In L. Chaudhary, B. Gupta, T.
Roy, A. Swami (eds.): A new economic history of colonial India. Routledge.
4. Chaudhuri K. (1982). Foreign trade and balance of payments (1757-1947). In D. Kumar, T. Raychaudhari (eds.): Cambridge economic history of India 1757-c.1970 2. Orient Longman.
5. Guha, S. (1991). Mortality declines in early 20th century India. Indian Economic and Social History Review, 28(4), 371-87.
6. Jain, L. (2011). Indigenous credit instruments and systems. In M. Kudaisya (ed.): The Oxford

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India anthology of business history. Oxford University Press.
7. Klein, I. (1984). When rains fail: Famine relief and mortality in British India. Indian Economic and Social History Review, 21, 185-214.
8. Krishnamurty, J. (1982). Occupational structure. In D. Kumar, T. Raychaudhari (eds.): Cambridge economic history of India 1757-c.1970 2. Orient Longman.
9. Morris, M. (1965). Emergence of an industrial labour force in India. Oxford University Press.
10. Parthasarathi, P. (2009). Historical issues of deindustrialization in nineteenth century south India. In T. Roy,
G. Riello (eds.): How India clothed the world: The world of south Asian textiles, 1500-1850. Brill Academic.

Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules

SEC

ECO 7303-TS: Soft Skills Development

Number of teaching hours: 30 hrs

Teaching Hours per week: 2 hrs

Credit: 02

Course Objectives:

This course introduces students to the basic soft skills including effective communication skills (spoken and written), presentation skills, correspondence and prepare reports which produce results, building self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.

Learning Outcomes:

This course is useful for learners in performing effectively in multi-disciplinary and heterogeneous teams through the knowledge of team work, Inter-personal relationships, conflict management and leadership quality.

Syllabus:

Unit I

Communication and Interpersonal Skill:

Effective Communication

- Verbal communication skills: clarity, tone, and active listening
- Non-verbal communication: body language, gestures, and facial expressions

Interpersonal Skills

- Building rapport and trust
- Conflict resolution and negotiation techniques

Unit II

Professional Development and Leadership

- Business communication etiquette: email, phone, and meetings
- Dress code and workplace behaviour.

Time Management and Organization

- Setting goals and priorities
- Strategies for managing time effectively.

Unit III

Leadership Skills

- Understanding leadership styles
- Motivating and empowering others

Emotional Intelligence

- Self-awareness and self-regulation
- Recognizing and managing stress

Books Recommended:

1. "Emotional Intelligence 2.0" by Travis Bradberry and Jean Greaves
2. "Crucial Conversations" by Kerry Patterson, Joseph Grenny, Ron McMillan, and Al Switzler
3. "Mindset: The New Psychology of Success" by Carol S. Dweck
4. "How to Win Friends and Influence People" by Dale Carnegie
5. "Soft Skills-Know yourself and Know the world" by Alex K, S Chand

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: IV

DSCC II A

ECO 7401-TC: Economics of Growth & Development

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objective:

The course begins with a discussion of alternative conceptions of development and their justification. It then proceeds to aggregate models of growth and cross-national comparisons of the growth experience that can help evaluate these models.

Learning Outcomes:

On successful completion of the course the student will be able to-

1. Illustrate the concept and difference between growth and development
2. Summarize various development and growth models.
3. Build competency and academic excellence for competition exams and to develop employability related skills.

Syllabus:

Unit I

Concept of economic growth and development; Factors affecting economic growth; Characteristics of developed and underdeveloped countries; Inequality and Growth: the inverted „U" curve hypothesis; Measuring development gap: GNP, PQLI, HDI, Gini coefficient and Lorenz curve; Human Resource Development and its measurement (education, health & income).

Unit II

Classical theory of Development: Adam Smith, Ricardo. Growth models: Harrod and Domar; Neo- classical growth models: Solow, Meade, Mrs. Joan Robinson; Technological Progress: Embodied, Disembodied, Hicks and Harrod.

Unit III

Dualism- Technical, Financial and Social. Partial theories of growth and development: Vicious

circle of poverty, Balanced growth and Unbalanced growth (Rosenstein-Rodan and Hirschman), Rostow"s stage theory, Circular Causation, Unlimited supply of labour, Critical minimum effort thesis, Low equilibrium trap; Karl Marx theory of development

Reference Books:

1. Todaro, Michael.P& Smith Stephen C (2014), Economic Development, 12th Edition, Pearson Education (Singapore) Pvt. Ltd., Delhi.
2. Thirwal, A.P (2012), Growth and Development, Macmillan, London.
3. Misra S.K, Puri V.K, (2012), Economics of Development and Planning, Himalaya Publishing House.
4. Chennery, H. & T.N Srinivisan (Eds.) (1989), Handbook of Development Economics, Vols. 1 & 2, Elsevier, Amsterdam.
5. M.L.Taneja , R.M. Myer (2017), Economics of Development and Planning, Vishal Publication.

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSCC II B

ECO 7402-TC: Quantitative Techniques I

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

The basic objective of this course is to provide students the basic understanding and knowledge of tools of quantitative techniques.

Learning Outcome:

After completing this course, the students will be able to learn data analysis and interpretation that are widely used to solve the economic problems.

Syllabus:

Unit – I

Basic concepts, population, sample, parameter, frequency distribution; Cumulative frequency, graphic and diagrammatic representation of data, Techniques of a data collection, sampling Vs population, primary and secondary data.

Unit – II

Basic Concepts: Variables, Sets, Functions, Identities, Systems of equations, Application of straight-line system, Slope of the line, Homogeneous function; Arithmetic and Geometric progression. Logarithm.

Unit – III

Measures of central tendency-mean, median, mode, geometric mean, and Harmonic mean. Measures of dispersion, Range. Mean deviation, standard deviation, coefficient of variation. Quartile deviation Skewness. Concept of rate of growth.

Reference Books:

1. Allen R.G.D (1974), Mathematical Analysis for Economists, Macmillan Press & ELBS, London.
2. Chiang, A.C (1986), Fundamental Methods of Mathematical Economics, Mc Graw Hill, New York.
3. B.C Madnani& G.M Mehta (2007), Mathematics for Economists, S. Chand Publication.
4. Gupta S.P(2001), Statistical Methods, S. Chand & Sons.
5. K.N Nagar, S.N Mittal, M.L Oswal, S.S Modi (2012), Fundamentals of Statistics, (1st Edition), Minakshi Prakashan.

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

SEC

ECO 7403-TS: Basic Computer Skills

Number of teaching hours: 30 hrs

Teaching Hours per week: 2 hrs

Credit: 02

Course Objective:

The objective of the course is to impart basic level computer appreciation programme with more emphasis on hands on training. Initially, the course was conceived as to boost the concept of introducing a course on computer fundamentals, especially for students, studying vocational courses at ITIs/ITCs.

Learning Outcomes: On successful completion of the course the students will be able to navigate the operating system and start applications, perform basic functions of file management, perform basic functions in a word processor and spreadsheet, manage print settings and print documents, receive and send emails, use a web browser to navigate the Internet.

Syllabus:

Unit I

Introduction to Computers

- Overview of computers and their components
- Basic computer terminology

Operating Systems

- Introduction to operating systems (Windows, macOS, Linux)
- File management: creating, copying, moving, and deleting files

Using Software Applications

Unit II

- Basic functions of word processing software (Microsoft Word, PowerPoint, Google Docs, Google Slide)
- Basic functions of spreadsheet software (Microsoft Excel, Google Sheets)

Internet and Communication Tools

- Understanding the basics of the internet
- Internet safety and security, encryption, decryption

Email and Online Communication

Unit III

- Learning to Create and manage email accounts
- Sending, receiving, and organizing emails

Social Media and Online Collaboration

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- Introduction to social media platforms (Facebook, Twitter, LinkedIn)
- Basics of online collaboration tools (Google Drive, Dropbox)

Reference Books:

1. PK Sinha, Computer Fundamentals, BPB Publications, Delhi.
2. Lallit Mali, Micro soft Office- 2016, Notion Press, Delhi.
3. Bittu Kumar, Mastering Ms Office, BPB Publications, Delhi.
4. G. Manjunath, Computer Basics, Vasan"s Publications, Chennai.
5. Ritu Arora, Advance Excel 2016, Training Guide, BPB Publications, Delhi
6. Basic Computer Skills by Adinarayana k
7. Basic Computer Course by Vishnu P. Singh

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: V

DSCC

ECO 7501-TC: Money Banking & Public Finance

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objective:

This course is designed to analyse the impact of money on some of the economy's key variables such as interest rates, inflation, and the banking industry this course also introduce students to the basic frame work of public revenue, public expenditure, and public debt in achieving desired macroeconomic goals.

Learning Outcome:

Students will learn the role of central and commercial banks in the process of money creation and control and of the public finance systems.

Syllabus:

Unit I

Money: Meaning, functions and classification; Gresham's law; Role of money in Capitalist, Socialist and Mixed economies. Alternative measures of money supply in India (concepts only). Determinants of Money Supply, High powered and money multiplier. Quantity Theory of Money: Cash Transaction and Cash Balance Approach.

Unit II

Theories of Money Supply. Banking: Commercial bank: functions and importance; The Process of credit creation and its limitations; Liabilities and Assets. Central Bank: Functions and instruments of Credit Control (Quantitative and Qualitative methods); Objectives and limitations of monetary policy with special reference to India, Effectiveness of Monetary Policy.

Unit III

Nature and Scope of Public Economics, Private goods and Public goods, Principle of Maximum Social Advantage, Canons and effects of public expenditure, Taxation: Meaning, classification, canons and effects; Factors affecting incidence and shifting of taxes; Sources of public debt;

Effects of public debt.

Reference Books:

1. Desai, Vasant (2005), Indian Financial System and Financial Market Operation, New Pace, New Momentum, Himalaya Publishing House
2. Gupta, S.B (2010), Monetary Economics, S. Chand & Company, New Delhi
3. Mithani, D.M (2011) Money, Banking, International Trade and Public Finance, Student Edition 16th, Himalaya Publishing House
4. Desai, Vasant (2005), Indian Financial System and Financial Market Operation, New Pace, New Momentum, Himalaya Publishing House
5. Gupta, S.B (2010), Monetary Economics, S. Chand & Company, New Delhi
6. Mithani, D.M (2011), Money, Banking, International Trade and Public Finance, Student Edition (16), Himalaya Publishing House

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

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DSEC I A

ECO 7502-EC: Economy of Rajasthan

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

On completion of the course, students will be able to develop an understanding of the basic structure of the Rajasthan economy.

Learning Outcome:

Students will develop a critical understanding of the contemporary issues in the Rajasthan economy. Students will thus be better prepared to face the professional world and can use this knowledge base in a variety of jobs, including in the corporate, civil service, and NGO sectors.

Syllabus:

Unit I

Position of Rajasthan in Indian Economy: Population, Area, Agriculture, Industry, and Infrastructure. Population: Size and Growth, District Wise Distribution of Rural and Urban Population, Demographic Features, Occupational Structure and Human Resource Development (Literacy, Health, and Nutrition Indicators). Natural Resources Endowments: Land, Water, Livestock and Wildlife, Minerals and Mineral Policy of the State; State Domestic Product: trends and Composition.

Unit II

Agriculture: land Reforms, Land Utilization, Cropping Pattern, Production and Productivity, Agriculture Finance, Marketing and Insurance, Importance of Livestock and Animal Husbandry, Dairy Development Programme, Agriculture Development in Rajasthan during Economic Planning; Significance of Agriculture in the Economy of Rajasthan; Problems in Agriculture.

Unit III

Infrastructure in the State (Irrigation, Power, Road), Industrial Development of the State (Agricultural and Mineral Based Industries, Small Scale and Cottage Industries, Export Based Units, Rajasthan Handicrafts). Enterprises in Rajasthan. Role of Different Corporations in Industrial Development (RIICO, RFC & RAJSICO), Tourism Development in Rajasthan. Constraints in the Economic Development of Rajasthan and Flagship Schemes of Central and State Government.

Reference Books:

1. Economic Review, Directorate of Economics and Statistics, Department of Planning. Rajasthan Jaipur. (Hindi & English.)

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2. Statistical Abstract Directorate of Economics and Statistics. Department of Planning, Rajasthan Jaipur.
3. Lakshmi Narayan Nathuram, Economy of Rajasthan, Ramesh Book Depo, Jaipur.

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC I B

ECO 7503-EC: Quantitative Techniques II

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

The basic objective of this course is to provide students the basic understanding and knowledge of tools of quantitative techniques.

Learning Outcome:

After completing this course, the students will be able to learn data analysis and interpretation that are widely used to solve the economic problems.

Syllabus:

Unit – I

Correlation, simple coefficient of correlation Kart parson and Rank correlation, Partial and multiple correlation; Regression analysis Estimation of regression line in a bivariate distribution, least squares method, interpretation of regression coefficients, Interpolation (Newton and Binominal method).

Unit – II

Time series analysis Concept and components, determination of regular trend and season indices Index numbers- Concept, Price relative, quantity relative. Value relative Laspeyres's, Paasches and Fisher. Family budget method, Problems in the construction and limitations of index numbers, Tests for ideal index number.

Unit – III

Matrix and Determinants: Various types of Matrices, Determinants, Inverse of a Matrix, Crammer's Rule. Calculus- Differentiation of a function, Integration of a function.

Reference Books:

1. Allen R.G.D (1974), Mathematical Analysis for Economists, Macmillan Press & ELBS, London.
2. B.C Madnani& G.M Mehta (2007), Mathematics for Economists, S. Chand Publication.
3. Gupta S.P(2001), Statistical Methods, S. Chand & Sons.
4. K.N Nagar, S.N Mittal, M.L Oswal, S.S Modi (2012), Fundamentals of Statistics, Ist Edition, Minakshi Prakashan.

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

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SEC

ECO 7504-TS: Fundamentals of Digital Marketing

Number of teaching hours: 45 hrs

Teaching Hours per week: 3 hrs

Credit: 03

Course Objective:

This course aims to familiarize students with the concept of digital marketing and its current and future evolutions. It further aims to be able to equip students with the ability to understand and subsequently create strategic and targeted campaigns using digital media tools.

Learning Outcomes:

On successful completion of the course the student will be able to understand the concept of digital marketing and its real-world iterations, articulate innovative insights of digital marketing enabling a competitive edge, understand how to create and run digital media-based campaigns, identify and utilise various tools such as social media etc.

Syllabus:

Unit I

Introduction to Digital Marketing

- Importance of digital marketing in modern business
- Key digital marketing channels and platforms

Social Media Marketing

- Technological Aspects of Digital Marketing
- Understanding social media platforms and their audience
- Creating a social media strategy

Unit II

Email Marketing

- Building an email list
- Designing effective email campaigns

Content Marketing

- Creating effective content for different platforms
- Content distribution and promotion strategies

Digital Marketing Strategy and Planning

- Developing a digital marketing strategy

Unit III

- Integration of different digital marketing channels

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Emerging Trends in Digital Marketing

- Overview of current trends and innovation
- Final project preparation

Reference Books:

1. The Digital Marketing Handbook by Avinash Chandra:
2. Digital Marketing: An Integrated Approach by Rajendra Kumar Panda
3. Digital Marketing: Concepts and Strategies by Alok Kumar Rai.
4. Digital Marketing: Strategy, Implementation, and Practice by S. Kannan, A. Jeyarani, and C. Bhaskaran

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

VAC

ECO 7505-TC: Financial Literacy

Number of teaching hours: 45 hrs

Teaching Hours per week: 3 hrs

Credit: 03

Course Objectives:

This course gives familiarity with different aspects of financial literacy such as savings, investment, taxation, and insurance it helps to understand the relevance and process of financial planning and promote financial well-being.

Learning outcomes:

The Learning Outcomes of this course are to develop proficiency for personal and family financial planning; apply the concept of investment planning; ability to analyse banking and insurance products; personal tax planning.

SYLLABUS:

UNIT- I

Financial Planning and Financial Products:

- Introduction to Saving
- Time value of money
- Management of spending and financial discipline

UNIT- II

Banking and Digital Payment:

- Banking products and services
- Digitisation of financial transactions: Debit Cards {ATM Cards) and Credit Cards., Net banking and UPI, digital wallets
- Security and precautions against Ponzi schemes and online frauds

UNIT- III Personal Tax

- Introduction to basic Tax Structure in India for personal taxation
- Aspects of Personal tax planning
- Exemptions and deductions for individuals
- e-filing

Reference Books:

- Introduction to Financial Planning (4th Edition 2017)- Indian Institute of Banking & Finance.
- Sinha, Madhu. Financial Planning: A Ready Reckoner July 2017, McGraw Hill.
- Halan, Monika, Lets Talk Money: You've Worked Hard for It, Now Make It Work for You, July 2018 Harper

Business.

- Pandit, Amar The Only Financial Planning Book that You Will Ever Need, Network 18 Publications Ltd.

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: VI

DSCC

ECO 7601-TC: International Economics

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objective:

The main goal of the course is to introduce students to both classical and modern theories of international trade in goods and services, as well as empirical research on trade.

Learning Outcomes:

On successful completion of the course the student will be able to-

1. Explain the importance of international economics through various theories.
2. Analyze the importance of factor mobility in International Trade.
3. Evaluate terms of trade, Tariff and Quotas
4. Explain the concept of Balance of Payment.
5. Build competency and academic excellence for competition exams and to develop employability related skills.

Syllabus:

UNIT I

Theories of Absolute advantage, Comparative advantage, and Opportunity cost. Heckscher-Ohlin theory of trade: main features, assumptions, and limitations; Factor Reversal, Demand reversal and Leontief Paradox.

UNIT II

Factor Price Equalization Theorem, Stopler-Samuelson Paradox, Rybcznski theorem, Offer Curve Analysis; Gains from Trade: Their measurement and distribution; Trade as an engine of growth; Concepts of Terms of Trade and their importance in the theory of trade. Types of Tariffs and Quotas and their impact on Partial equilibrium analysis.

UNIT III

Immiserizing Growth, Secular deterioration of Trade (Prebisch-Singer Hypothesis) Concepts

and components of Balance of Trade and Balance of Payments; Equilibrium and disequilibrium in Balance of Payments; Measures to correct deficit in Balance of Payments; Mundell-Fleming Model; Merits, demerits, and limitations of Devaluation; J-curve.

Reference Books:

1. Kindleberger, C.P(1973), International Economics, R.D Irwin Homewood
2. Salvatore, D. (2014), International Economics, Prentice Hall, Upper Saddle River, N.J, New York
3. Soderston, Bo (1991), International Economics, The Macmillan Press Ltd., London
4. Mannur, H.G (1999), International Economics, Vikas Publishing House Pvt. Ltd.
5. Mithani, D.M. (1970), Introduction to International Economics, Vora.

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC I A

ECO 7602-EC: Mathematics for Economics

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

The objective of this course is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level.

Learning Outcome:

On successful completion of the course the student will be able to -

1. Interpret the basic concepts of quantitative techniques in economics.
2. Use the concepts of calculus in economics.
3. Use the concept of vector algebra in economics.
4. Build competency & academic excellence for the competitive exams & to develop research skills.

Syllabus:

UNIT – I

Basic Concepts: Variables, Sets, Functions, Identities, Systems of equations, Application of straight-line system, Slope of the line, Homogeneous function; Arithmetic and Geometric progression; Logarithm.

UNIT -II

Calculus- Differentiation of a function, partial differentiation, and high order differentiation, Integration of a function; Optimisation: constraint optimisation- global optima and local optima (Total Derivative Method and Lagrange Multiplier)

UNIT – III

Matrix and Determinants: Various types of Matrices, Matrix representation and elementary operations, Systems of linear equations; Determinants: Characterisation, properties and applications; Inverse of a Matrix, Crammer's Rule.

Reference Books:

1. Allen R.G.D (1974), Mathematical Analysis for Economists, Macmillan Press & ELBS, London.
2. Chiang, A.C (1986), Fundamental Methods of Mathematical Economics, Mc Graw Hill, New York.
3. B.C Madnani& G.M Mehta (2007), Mathematics for Economists, S. Chand Publication.
4. Gupta S.P (2001), Statistical Methods, S. Chand & Sons.
5. K.N Nagar, S.N Mittal, M.L Oswal, S.S Modi (2012), Fundamentals of Statistics, Ist Edition,

Minakshi Prakashan, Meerut.
6. Sharma J.K. (2013), Business Statistics, 2nd Edition, Pearson, New Delhi. Allen R.G.D (1974), Mathematical Analysis for Economists, Macmillan Press & ELBS, London.
7. Chiang, A.C (1986), Fundamental Methods of Mathematical Economics, Mc Graw Hill, New York.
8. B.C Madnani& G.M Mehta (2007), Mathematics for Economists, S. Chand Publication.
9. Speigal, M. R. Theory and Problems of Statistics, McGraw Hill Book, London

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC I B

ECO 7603-EC: Indian Economic Thought

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

The study of Indian economic thought provides a deeper insight into India's culture, tradition, and inherent national characteristics. It provides an economic interpretation of our historical past; and enables us to interpret the motives of economic activities of our ancestors.

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

1. Understand the evolution of Indian Economic Thought.
2. Develop critical thinking abilities to find out the solution of present economic problems of the world and corelate these problems with the traditional and cultural heritage.
3. Apply Indian Economic Thought in their day-to-day economic behaviour.

Syllabus:

Unit - I

Major Sources of ancient Indian Economic Thought; Basic Assumptions -Integral man, Integrated Rationality, Dharma based economic Structure and four Purusharthas, Restrained consumption and co - Consumption; Meaning and Importance of Wealth and code of conduct for Earning and Spending. Economic Thoughts of Manu, Shukra and Kautilya

Unit II

Economic Thoughts of Swami Dayananda Saraswati, Dada Bhai Naoroji, Mahadev Govind Ranade, Gopal Krishna Gokhale, R. C. Dutta, M. N. Roy.

Unit III

Economic thoughts of M. K. Gandhi, Vinoba Bhave, B. R. Ambedkar, J. L. Nehru, Ram Manohar Lohia, Deen Dayal Upadhyay, J. K. Mehta, Amartya Sen

Reference Books:

1. H.L Bhatia (2000), History of Economic Thought, Vikas publishing, New Delhi.
2. Ganguli, B.N(1977): Indian Economic Thought: A 19th Century Perspective, Tata Mcgraw Hill.
3. Hajela,T.N (2011) : History Of Economic Thought (English, Hindi) , Ane Books.
4. Jhingan, M.L (2008): Aarthik Vicharon Ka Itihas, Vrinda Publications, New Delhi.
5. Kautilya (1992), The Arthashastra, Translated And Introduced By L.N.Rangarajan, Penguin
6. Loknathan, V (2009): History of Economic Thought, S.Chand & Company.
7. Sinha, V.C (2011): Aarthik Vicharon Ka Itihas, Mayur Publications.

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Teaching Learning Process: - Lectures and tutorial

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

SEC A

ECO 7604-TS: Research Methodology

Number of teaching hours: 45 hrs

Teaching Hours per week: 3 hrs

Credit: 03

Course Objective:

The course begins with the formulation of a research problem and covers the issues concerning the generation of primary sample data. In this regard the designing of a questionnaire, the methods of design of a sample and its size, the modes of data collection from direct interview to online surveys, the appreciation of possible sources of errors, and the cleaning of data forms the bulk of the classroom instruction.

Learning Outcomes:

The course imparts skills to undertake data-based research. The student enrolling in this course would develop competency in executing sample surveys and would have reasonable exposure to a variety of secondary data sources.

Syllabus:

Unit 1

Data types and sources: Qualitative and quantity data, measurement, and scales; secondary sources of data and institutions

Unit 2

Sample questionnaires: Measurement and scales; questionnaires; Processing of survey data: Cleaning of data and its coding; Ethics and scientific integrity: Standards of conduct, privacy in data

Unit 3

Sample type and size: Simple random sampling; cluster sampling; stratified sampling and its complications; Determining an appropriate size; Errors in surveys: Misunderstanding of questions and answers; problem of non-response

Reference Books:

1. Bethlehem, J. (2009). Applied survey methods: A statistical perspective, Wiley.
2. Cochran, W. (2008). Sampling techniques, 3rd ed. Wiley.
3. Cooper, D., Schindler, P., Sharma, J. (2012). Business research methods, 12th ed. McGraw-Hill.
4. Flick, U. (2012). Introducing research methodology: A beginner's guide to doing a research project. Sage Publications.

5. Groves, R., Fowler, F., Couper, M., Lepkowski, J., Singer, E., Tourangeau, R. (2009). Survey Methodology. Wiley.
6. Kumar, R. (2014). Research methodology: A step-by-step guide for beginners, 4th ed. Sage Publications.

Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules

SEC B

ECO 7605-TS: Internship

Credit: 03

NOTE: INTERNSHIP IS SUBJECTED TO THE GUIDELINES AND DIRECTIONS FROM UNIVERSITY AND COMMISSIONERATE OF COLLEGE EDUCATION AND FROM GOVT. OF RAJASTHAN, JAIPUR.

COURSE OBJECTIVES:

1. To provide students with hands-on experience in economic research, policy analysis, and data handling.
2. To develop practical skills in using economic databases, government reports, and institutional resources.
3. To familiarize students with local economic institutions, markets, and government planning offices.
4. To integrate aspects of development economics, banking, finance, and entrepreneurship to broaden career paths.
5. To connect academic economics with real-world applications in planning, research, financial services, and public policy.

LEARNING OUTCOMES:

After successful completion of the internship, students will:

- Understand the application of economics in policy-making, banking, and development work.
- Be able to conduct field-level economic research and interpret real-world data.
- Learn institutional analysis and reporting relevant to economics.
- Build communication, statistical, and teamwork skills essential for careers in finance, public administration, and development sectors.
- Be better equipped for competitive exams, economic research roles, and graduate employability.

Internship Structure:

Module	Duration	Description
Orientation & Reporting Techniques	5 Hr	Introduction to research ethics, economic data reporting, and internship guidelines.
Library & Secondary Data Research	10 Hr	Guided work in economic libraries, data portals (NITI Aayog, RBI, NSSO), and documentation practices.

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Field Visits to Economic Institutions	10 Hr	Visits to banks, cooperatives, MSMEs, NGOs, and government planning offices to understand real-world economic functioning.
Development & Financial Services Exposure	10 Hr	Interaction with financial literacy programs, SHGs, microfinance institutions, and entrepreneurship development cells.
Research Project & Final Report	10 Hr	Supervised research on local economic issues, survey-based or data-based, leading to final project submission.

Suggested Internship Partners:

- Local/District Planning and Statistical Departments
- Regional Offices of RBI, NABARD, or Commercial Banks
- NGOs working in economic development or financial inclusion
- MSMEs or Start-up Incubation Centres
- Local Panchayats, Municipalities, or Cooperatives
- Research Institutes like ICSSR-affiliated centres or State Economic Councils

Student Deliverables:

- **Daily Journal/Logbook:** Includes daily activities, key learnings, and reflections.
- **Mini Research/Field Project:** Based on a relevant economic issue (e.g., unemployment, inflation trends, financial inclusion, etc.)
- **Economic Site/Institution Report:** Analysis of institutional functioning, service delivery, and policy implementation at the grassroots.
- **Completion Certificate:** Verified by the internship supervisor.
- **Final Presentation/Viva:** Evaluated by the academic mentor.

Evaluation Criteria:

Component	Weightage
Daily Reporting & Documentation	25%
Research/Field Project Report	30%
Economic Institution/Development Assignment	15%
Attendance & Conduct	10%
Final Viva/Presentation	20%

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VAC

ECO 7606-TS: Digital Empowerment

Number of teaching hours: 45 hrs

Teaching Hours per week: 3 hrs

Credit: 03

COURSE OBJECTIVES:

This course helps students to understand the digital world and need for digital empowerment; create awareness about Digital India; Explore, communicate, and collaborate in cyberspace; Imparting awareness on cybersafety and security.

LEARNING OUTCOMES:

After the completion of the course, students will be able to, Use ICT and digital services in daily life; Communicate and collaborate in cyberspace using social platforms, teaching/learning tools; Understand the significance of security and privacy in the digital world; Recognise ethical issues in the cyber world.

Syllabus:

Unit I

Digital inclusion and Digital Empowerment:

- Needs and challenges
- Vision of Digital India: DigiLocker, E-Hospitals, e-Pathshala, BHIM, e-Kranti (Electronic Delivery of Services), e-Health Campaigns
- Public utility portals of Govt. of India such as RTI, Health, Finance, Income Tax filing, Education

Unit II

Communication and Collaboration in the Cyberspace:

- Electronic Communication: electronic mail, blogs, social media
- Collaborative Digital platforms
- Tools/platforms for online learning
- Collaboration using file sharing, messaging, video conferencing
- Ethics in Cyberspace

Unit III

Towards Safe and Secure Cyberspace:

- Online security and privacy
- Threats in the digital world: Data breach and Cyber Attacks
- Blockchain Technology
- Security Initiatives by the Govt of India
- Netiquettes

- Ethics in digital communication

Reference Books:

1. David Sutton, "Cyber Security: A practitioner's guide", BCS Learning & Development Limited, UK, 2017

Teaching Learning Process: Lectures and tutorials

Assessment Methods: Internal assessment and final examination as per CBCS rules

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: VII

DSCC

ECO 7701-TC: Advanced Microeconomic Theory

Number of teaching hours: 90 hrs
Teaching Hours per week: 6 hrs
Credit: 06

Course Objective:

This course examines how economic decisions are made by households and firms, and how they interact to determine the quantities and prices of goods and the allocation of resources under different market structures. It also studies the equilibrium in presence of externalities/public goods and information asymmetry. The course examines microeconomic policy and the role of government in allocating resources.

Learning Outcome:

The objectives of the course are:

1. to provide students with the knowledge of core concepts and models in the field of microeconomics;
2. to provide students with the knowledge of basic microeconomic models' assumptions, internal logic and predictions, grounding the explanations on intuitive, graphical and analytical approaches;
3. to develop students' ability to apply the knowledge acquired to the analysis of specific economic cases, recognizing proper framework of analysis and constructing and analyzing adequate economic model within this framework.

Syllabus:

Unit – I

Theory of Consumer Behaviour - Cardinal and Ordinal utility approaches, Derivation of Individual Demand Curve, Market Demand Curve, Determinants of Demand; Elasticities of Demand, Price, Income and Substitution effects, Normal, Inferior and Giffen goods; The

Revealed Preference Hypothesis, Consumer Surplus and its reformulation, Consumer Behaviour under; Uncertainty (elementary approach); Production: Production Function - Law of variable proportions, three stages of production, Laws of returns and returns to scale, Isoquants and optimum factor combination, Expansion path and Isoclines, Capital deepening and Labour deepening technology through Isoquants

Unit – II

Theory of cost- short run costs, long run costs, Empirical cost function (Stigler Surviver Method), Economies of Scale Different Market Structures Perfect competition and its relevance; Monopoly -Impact of taxes on price and output, Measurement of monopoly power, Price- Discrimination under of Monopoly with illustration, Impact of monopoly; Economic Welfare, Monopolistic Competition- Product differentiation and demand curve, Equilibrium of a firm (Chamberlin Model), Excess capacity according to Chamberlin. Oligopoly- Non collusive oligopoly and (Cournot, Bertrand, Chamberlin, Kinked demand curve and Stackelberg Models) and Collusive Oligopoly (Cartels and Price Leadership), Full cost pricing, Theory of Hall and Hitch Theory of limit pricing.

Unit – III

Pricing of factors -Factor pricing in competitive and imperfect competitive markets; Exploitation of Labor (Joan Robinson and Chamberlin approaches) and Trade Union; Bilateral Monopoly; Welfare Economics- Pareto optimality Criterion, Kaldor-Hicks Compensation Criterion, Bergson Social Welfare function, Maximization of social welfare and the point of Bliss, welfare Maximization, Externalities, Theory of Second Best

Reference Books:

1. A. Koutsoyiannis: Modern Micro Econo.nics, MacMillan, London
2. H.L. Ahuja: Advanced Economic Theory, S. Chand & Co., New Delhi
3. H.L. Ahuja: Uchchatar Arthik Siddhant (Hindi) S. Chand & Co. New Delhi.
4. D. Salvatore: Micro Economic Theory, Schaum's Outline Series, Third edition, McGraw-Hill, Ine. New Delhi.
5. J.M. Joshi: Theory of Value, Distribution and Welfare (Vikas, New Delhi
6. K.C. Roy Choudhary: Micro Economics, Tata McGraw Hill Publishing Co., New Delhi
7. P.R.G Layard and A.A Walters: Micro Economic Theory McGraiv Hill Publishing Co., New Delhi
8. Hal R Varian: Micro Economic Analysis (Indian Print), Affiliated Bast- West Press Pvt. Ltd., New Delhi

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

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DSCC

ECO 7702-TC: Advanced Macroeconomic Theory

Number of teaching hours: 90 hrs

Teaching Hours per week: 6 hrs

Credit: 06

Course Objective:

Attempt to look at it from a macroeconomist's point of view and evaluate different economic policies enacted around the world.

Learning Outcome:

1. Understand the main mechanisms operating in the economy
2. Know the basic building blocks of short-run macroeconomic theory
3. Be able to describe the process of the economy's adjustment towards equilibrium

Syllabus:

Unit – I

Basic Concepts & Methodology, Macro Economic Variables (e.g, national income, employment, saving, investment, price level, wages, interest rate), Real and nominal quantities, Stock and flow variables and their inter - relationship, Problem of aggregation in the construction of Macro-Economic variables; Structure of National Accounts-transactions of consumption, production, investment, government, and foreign trade sector. Concepts, components, and measurement of national income, Value of Money, changes in the value of money, The Quantity Theory of money and its variants including the Friedman's reformulation of the Quantity Theory, Post- Keynesian Theories of Money Demand.

Unit – II

The Classical Theories of saving, investment, interest rate, wage and employment. The Complete Classical model of determination of employment and output, Say's law, Price and wage flexibility and full employment, The Real Balance Effect, Keynesian criticism of the Classical theories, Keynesian model for the determination of income and employment. The Consumption function hypotheses: Absolute Income, Relative Income, Permanent Income and Life Cycle Hypothesis, Business Cycles models of Samuelson, Hicks and Kaldor.

Unit – III

Macro-economic equilibrium- relative roles of Monetary and fiscal policies, IS-LM analysis, Fleming- Mundell open economy model, Stabilization policy: Prospects and problems, Aggregate Demand and Aggregate supply curve analysis. Phillips curve, The control of inflation and recession in developing and developed economics. Central Bank and Commercial Banks, Instruments of monetary policy and their relative effectiveness in various situations. Money Supply, its determinants, High powered money, Money Multiplier.

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Reference Books:

1. Gardner Ackley: Macro Economic Theory (Latest Ed.) (Macmillan, New York).
2. Martin J Bailley: National Income and the Price Level, Chap. 2 and 3
3. Edward Shapiro: Macro Economic Analysis (Latest Ed.) (Harcourt Brace Jovanovich)
4. K.C. Rana and K.N. Verma: Macro Economic Analysis (Vishal Publishers).
5. William H. Branson and James M. Litvack: Macro Economics (Harper and Row)
6. Rosalind lavacic: Macro Economics (Macmillan)

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC I A

ECO 7703-EC: Environmental Economics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

This course is developed to teach Environmental economics to understand the fundamental concepts, subject matter, nature and scope of environmental economics and key environmental issues and problems.

Learning Outcomes:

On successful completion of the course the student will be able to-

1. Explain the basic concept of environmental economics.
2. Evaluate various methods of pollution abatements
3. Summarize the economics of climate change.

Syllabus:

UNIT – I

Meaning nature and scope of environmental economics, Distinction between environment economics and natural resources economics. Environment economics linkages. Environment as a necessity and luxury. Theory of Externalities: Pareto Optimality and market failure in presence of externalities. Social choice of optimum pollution. Property Rights and the Coasian Approach: bargain Solution.

UNIT – II

Theory of environmental regulation: price rationing, Pigovian taxes, Effluent fees, tradable permits, choice between taxes and quotas under uncertainty, Subsidies for Abatement of pollution- the case in short and long run; The design and implementation of environmental policy – overview.

UNIT – III

Sustainable development- concept and measurement; international environmental problem, trans-boundary environmental problems. Economics of climate change; trade and environment. Measuring the benefits of environmental improvements- non market values and measurement methods, risk assessment and perception.

Reference Books:

1. Singh, Katar & Shishodia, Anil (2007), Environmental Economics- Theory and Applications, 1st Edition, Sage Publications India Pvt. Ltd., New Delhi
2. Kolstad, Charles D. (2005), Environmental Economics, Oxford University Press Inc., New Delhi

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3. Bhattacharya, Rabindra N. (Ed.) Environmental Economics: An Indian Perspective, Oxford University Press
4. Joshi, M.V., Theories and Approaches of Environmental Economics, Atlantic Publishers & Distributors, New Delhi

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC I B

ECO 7704-EC: Introductory Econometrics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

The goal of the course is to introduce the students to the various modeling techniques that would help them in decision making process.

Learning Outcomes:

On successful completion of the course the student will be able to-

1. Understand the basic concepts of econometrics.
2. Construct the Linear Regression Model using OLS method.
3. Validate the Linear Regression Model.

Syllabus:

UNIT- I

Definition, Scope, Goals and Divisions of Econometric. Methodology of Econometric Research. Correlation theory. R2 and Adjusted R2.

UNIT-II

Linear Regression Model in two variables, method of ordinary least squares (OLS), properties of BEST estimator.

UNIT-III

Econometric Problems: Nature, consequences, detection, and remedial measures of the problems of multicollinearity, heteroscedasticity and autocorrelation.

Reference Books:

1. A Koutsoyiannis, Theory of Econometrics, Ane Books.
2. D Guajarati: Basic Econometrics, McGraw Hill.

Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

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DSEC II A

ECO 7705-EC: Financial Economics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

This course provides a strong theoretical foundation and an economic framework to understand the world of modern finance. Major topics in the course include: time value of money; fixed-income securities; bond pricing and the term structure of interest rates; portfolio theory and pricing models such as the capital asset pricing model; hedging, speculation, and arbitrage; futures and options contracts; determination of forward and futures prices; trading strategies involving options; binomial trees; and the Black-Scholes-Merton option pricing model.

Learning Outcomes

Students acquire extensive theoretical knowledge in portfolio risk management, capital asset pricing, and the operation of financial derivatives. The course familiarises students with the terms and concepts related to financial markets and helps them comprehend business news/articles better. The course also helps to enhance a student's understanding of real-life investment decisions. The course has a strong employability quotient given the relatively high demand for skilled experts in the financial sector.

Syllabus:

Unit 1

Investment theory and portfolio analysis: deterministic cash flow streams; basic theory of interest; discounting and present value; internal rate of return; evaluation criteria; fixed-income securities; bond prices and yields; interest rate sensitivity and duration; immunisation; the term structure of interest rates; yield curves; spot rates and forward rates

Unit 2

Single period random cash flows; mean-variance portfolio theory; random asset returns; portfolios of assets; portfolio mean and variance; feasible combinations of mean and variance; mean-variance portfolio analysis: the Markowitz model and the two-fund theorem. CAPM: the capital market line; the capital asset pricing model; the beta of an asset and of a portfolio; security market line; use of the CAPM model in investment analysis and as a pricing formula; the CAPM as a factor model, arbitrage pricing theory.

Unit 3

Futures, options, and other derivatives: introduction to derivatives and options; forward and futures contracts; options; other derivatives; the use of futures for hedging, stock index

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futures; forward and futures prices; interest rate futures and duration-based hedging strategies, option markets; call and put options; put-call parity; option trading strategies: spreads; strips and straps; strangles; the principle of arbitrage; risk neutral valuation; stochastic process (continuous variable, continuous time), the Markov property; the idea underlying the Black Scholes-Merton (BSM) differential equation, BSM pricing formulas; the Greek letters.

Reference Books:

1. Brealey, R., Myers, S., Allen, F., Mohanty, P. (2013). Principles of corporate finance, 10th ed. Tata McGraw-Hill.
2. Hull, J., Basu, B. (2017). Options, futures, and other derivatives, 9th ed. Pearson Education.
3. Luenberger, D. (2013). Investment science. Oxford University Press.

Teaching Learning Process: Lectures and tutorials

Assessment Methods: Internal assessment and final examination as per CBCS rules

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DSEC II B

ECO 7706-EC: International Finance

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

The course focuses to provide an understanding of both the key features of foreign exchange markets and the actual problems of Multinational Corporation within an environment of free flows of foreign capital and floating exchange rates.

Learning Outcome:

On successful completion of this course, the students will be able:

1. To revise the Concept of International Financial Management
2. To discuss the Concept of International Financial System
3. To identify with the Concept of International Financial Institutions

Syllabus:

Unit – I

Finance Function- Sources and Uses; International capital movements classification and role in developing nations. Foreign Direct Investment, foreign Portfolio investment and financial instability.

Unit – II

International Financial System and Globalization- development in Exchange Markets; Eurocurrency Markets, Asian Dollar Markets and International Bond Markets. Principles of International Financial Management.

Unit – II

Global Business Finance; Long-term borrowing from World Bank, Asian Development Bank and its overall impact on Indian economy International Monetary System and alternative international monetary standards. IMF and problem of international liquidity.

Reference Books:

1. Grabbe J. Orlin: International Financial Markets. Prentice Hall, Inc, Englewood Cliffs, NJ, USA.
2. Daniel R. Kane: Principles of International Finance, CroomHeln Ltd.
3. Harold James: International monetary cooperation since Brettonwood, IMF.
4. Peter B. Kenen (Ed.): Managing the World Economy: Fifty Years after Bretton Wood.
5. Peter Kenen: International Economics, Cambridge University press 6. Bo Sodersten and Geofrey Reed: International Economics, MacMillan.

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Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC II A

ECO 7803-EC: Demography

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

This course educate learners about the inter-relationship between economic development and population along with an exposition of the established theories of population.

Learning Outcomes:

On successful completion of the course the student will be able to-

1. Appraise the importance of population and its related theories in economic development.
2. Illustrate the quantitative and the qualitative aspects and characteristics of the population through various demographic
3. Express views on the concept of Fertility and mortality.

Syllabus:

UNIT - I

Population and Development: Meaning and scope of demography, components of population growth and their interdependence; Sources of population data; Theories of population – Malthus, Optimum theory of population; Theories of demographic transition; Population and Development; Urbanization and Migration.

UNIT - II

Structure of Population: Population trends since the twentieth century; International aspects of population growth and distribution; Age and Sex structure in more developed and less developed countries; determinants of age and sex structure; Population pyramids- individual aging and population aging; Population projection.

UNIT - III

Fertility: Importance of the study of fertility-Total fertility rate, Gross reproduction rate and Net reproduction rate. Levels and trends in developed and developing countries; Factors affecting fertility. Mortality: Levels and trends in mortality in developed and developing countries; Mortality differences by age & sex, residence, occupation etc.; Foetal and Infant mortality; Factors leading to decline in mortality in recent past; Life Tables: - construction and uses.

Reference Books:

1. Agarwal S.N. (1972), India,s Population Problem, Tata McGraw- Hill Co., Bombay.
2. Bose, A. (1996), India's Basic Demographic Statistics, B.R. Publishing Corporation, New Delhi.
3. Chenery H. and T.N. Srinivasan (Eds.)(1989), Hand Book of Development Economics, Vol. 1 &

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Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules

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DSEC I B

ECO 7802-EC: Behavioural Economics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

To equip students with fundamentals of behavioural economics and expose them to practical applications. The course will enhance the understanding regarding the behavioural traits and explanation of complex economic phenomenon.

Learning Outcome:

The course will expose students to several major topics in Behavioural Economics and will look to link theory with empirical applications.

Syllabus:

Unit – I

Foundations of Behavioural Economics: Nature of Behavioural Economics; Behavioural Economics: Past, Present and Future; Rationality Assumptions and Behaviour; Methodological Approach – Origins of Behavioural Economics – Neo-Classical and Behavioral Approaches to Studying Economics.

Unit – II

Preferences, Choices and Decision Making: Values, Preferences and Choices; Choice Under Uncertainty – The Standard Model; Axioms, Assumptions and Definitions; The Neuro-Scientific Basis of Utility; Decision Making Under Risk and Uncertainty: Prospect Theory; Reference Points; Risk Concept and Understanding – Loss Aversion – Shape of Utility Function.

Unit – III

Beliefs, Heuristics and Biases: The Standard Model: Probability Estimation; Self-Evaluation Bias – Projection Bias - Causes of Irrationality; Behavioural Law and Economics – Selection Among Multiple Strict Equilibria Via Structure, Framing, Fairness, Complexity; Revealed Preference; Belief; Game Theory; Nature and Components of Mental Accounting.

Reference Books:

1. Morris, A, "Contemporary Behavioral Economics: Foundations and Developments", M E Sharpe, 2006.
2. Erik, A, "A Course in Behavioural Economics", Palgrave Macmillan, 2012.
3. Peter, D & Variainen, "Behavioural Economics and its applications", PUP 2007
4. David, J. R., "Introduction to Behavioral Economics", Wiley, 2014.
5. Wilkinson N and Hales M, "An Introduction to Behavioural Economics", Palgrave.

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Teaching Learning Process: - Lectures and tutorials

Assessment Methods: - Internal assessment and final examination as per CBCS rules.

M D S University, Ajmer
4 Year Hons. Degree
Programme
Economics
Syllabus
Semester: VIII
DSCC II A

DSEC I A

ECO 7801-EC: Data Analysis

Number of teaching hours: 60 hrs
Teaching Hours per week: 4 hrs
Credit: 04

Course Objective:

This is a skill enhancement course for data analysis. The students will be given hands on training on using statistical and computing software to better visualize and understand data concepts. The course is to be delivered through classroom lectures and computer lab classes.

Learning Outcomes:

The course will use data simulations and publicly available data sources to help students learn about data types, their organization and visual representation. They will learn how to compute summary statistics and do some basic statistical inference.

Syllabus:

Unit 1

Introduction to the course: How can the representation and analysis of data help us study real-world problems; Publicly available data sets

Unit 2

Using Data: Available statistical software, steps in data storage, organization, and cleaning

Unit 3

Visualization and Representation: Alternative forms of presenting summarizing and presenting data; Simple estimation techniques and tests for statistical inference

Reference Books:

1. Levine, D., Stephan, D., Szabat, K. (2017). Statistics for managers using Microsoft Excel, 8th ed. Pearson.
2. Tattar, P., Ramaiah, S., Manjunath, B. (2018). A course in statistics with R. Wiley.

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2 Elsevier, Amsterdam.
4. Choubey, P.K. (2000), Population Policy in India, Kanishka Publications, New Delhi.
5. Jhingan M.L, Bhat B.Kand Desai J.N (Latest Edition),Demography, Vrinda Publication.
Additional Reading List
6. Agnihotri, S. B. (2000), Sex ration in Indian Population: A fresh Exploration, Sage New Delhi.
7. Amsden, A. H. (Ed.) (1992), Form of Production and Women's Labour, Gender
8. Aspects of Industrialization in India and Mexico, Sage, New Delhi.
9. Boserup,E. (1970), Women's role in Economics Development, George Allen and Unwin, London.
10. Chiang, C.L. (1974), Life Tables and Mortailty Analysis, W.H.O., Geneva.
11. Gupta, Jj.A. (2000), New Reproductive Technogies, Women's Health and Autonomy, Indo Dutch Studies on Development Alternatives, Sage, New Delhi.
12. Jhabwala,R. and R.K. Subramanya (2000) (Eds.), The Unorganized Sector: Work Security and Social Protection, sage, New Delhi.
13. Krshnaji M., R.M. Sudarshan and A. Shariff (1999), Gender Population and development, Oxford University Press, New Delhi.
14. King M. and M.A. Hill (Eds.)(1993), Women's Education in Developing Countries: Barriers, Benefits and Politics, John Hopkins, Baltimore.

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC II B

ECO 7804-EC: Economics of Health & Education

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

This is a course in applied economics, which will introduce the students to the study of health and education as components of human capital in the framework of economic theory.

Learning Outcomes:

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

Syllabus:

Unit 1

Role of health and education in human development: health and education outcomes and their relationship with macroeconomic performance; Public policy in the health sector; externalities in health and health care; rationale for government intervention in the health sector

Unit 2

Topics in health economic theory: demand for health, Grossman's model of demand for health, information asymmetry in healthcare demand, and the health insurance market, physician induced demand, adverse selection and moral hazard in health insurance; Education sector in India: an overview

Unit 3

Economic evaluation of health care: cost effectiveness and cost-benefit analysis; valuing life; Education: investment in human capital; rate of return to education: private and social; quality of education; signalling of human capital; theories of discrimination; gender and caste discrimination in India

Reference Books:

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

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Wesley.
3. World Development Report (1993). Investing in Health. The World Bank.
4. World Health Organisation (2013) . The economics of the social determinants of health and health inequalities: A resource book. World Health Organisation.

Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules

DSEC C

ECO 7805-EC: Industrial Economics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

In the globalised era, rapid economic development is impossible without industrial development. Keeping this in view, the present course is designed to make students aware of the Framework of Industrial Economics,Market Structure, Market Conduct, and Market Performance.

Syllabus:

UNIT- I

Meaning and scope of Industrial Economics, The Organizational; Pattern of the Firm based on Ownership, Internal Organization of the Firm, The Choice of Organizational form, Business motives; Profits, Sales, Growth and Value Maximization of the Firm. Size of the Firm, Optimum Firm, Representative Firm, Equilibrium Firm, Factors Determining Optimum Size, Reconciliation of Optima. Need for the Growth of the Firm, Theories of the Growth of the Firm: Downie's theory, Penrose's theory, Marris's Theory of the Growth of the Firm.

UNIT - II

Market Structure: Meaning of the Market Structure, Seller's Concentration, and its Measurement: Concentration Ratio, the Lorenz curve, Herfindahl Index. Product Differentiation- its Sources and Implications, Entry Conditions, Economies of Scale, Market Structure and Innovation, the Process of Innovation- Concept and Relationship- its Measurement. The Theory of Technological Innovation. Industrial Location Analysis: The General Determinants of Industrial Location. Theories of Industrial Location: Weber and Sergeant Florence.

UNIT –III

Relationship between Structure, Conduct and Performance, Neoclassical Developments of the SCP approach. General Situations for Pricing Decisions. Pricing in Practice: Cost Plus Pricing, Transfer Pricing, Incremental Cost Pricing, the Target Rate of Return Pricing, Acceptance Pricing, the Going Rate Pricing, Pricing in Public Enterprises, Diversification & its Measurement, Vertical Integration, Merger: Types and Motives, Implications for Public Policies.

Reference Books:

1. Alhuwalia I.J. (1985), Industry in India, Oxford University Press, New Delhi.
2. Barthwal, R. R. (1985) Industrial Economics, Wiley Eastern:

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Prakashan, Meerut.
3. Sharma J.K. (2013), Business Statistics, 2nd Edition, Pearson, New Delhi.
4. B.L.Agarwal, (2006), Basic Statistics, New Age Publication.
5. John E. Freund, Frank J. Williams, (2010), Outline of basic statistics, Courier Corporation.

Teaching Learning Process: - Lectures and tutorials
Assessment Methods: - Internal assessment and final examination as per CBCS rules.

DSEC E

ECO 7807-EC: Money & Financial Markets

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organisation, structure, and role of financial markets and institutions. It also discusses interest rates, monetary management, and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

Learning Outcomes:

This allows students to understand current monetary policies and financial market outcomes. It also enables them to critically evaluate policies.

Syllabus:

Unit 1

Money: concept, functions, measurement; theories of money supply determination; Interest rates; Determination: sources of interest rate differentials; theories of term structure of interest rates; interest rates in India

Unit 2

Financial institutions, markets, instruments, and financial innovations; Role of financial markets and institutions problems of adverse selection and moral hazard; financial crises; Money and capital markets: organisation, structure, and reforms in India; role of financial derivatives and other innovations

Unit 3

Banking System; Balance sheet and portfolio management; Indian banking system: changing role and structure; banking sector reform; Central banking and monetary policy; Functions, balance sheet; goals, targets, indicators, and instruments of monetary control; monetary management in an open economy; current monetary policy of India

Reference Books:

1. Baye, M., Jansen, D. (2006). Money, banking, and financial markets. AITBS.
2. Bhole, L., Mahukud, J. (2017). Financial institutions and markets, 6th ed. Tata McGraw-Hill.
3. Fabozzi, F., Modigliani, F., Jones, F., Ferri, M. (2010). Foundations of financial markets and institutions, 4th ed. Pearson Education.
4. Jadhav, N. (2009). Monetary policy, financial stability, and central banking in India. Macmillan.
5. Mohan, R. (2011). Growth with financial stability: Central banking in an emerging market. Oxford University Press.
7. Various latest issues of RBI Bulletins, Annual Reports, Reports on Currency and Finance, and Reports of the Working Group, IMF Staff Papers.

Teaching Learning Process: Lectures and tutorials

Assessment Methods: Internal assessment and final examination as per CBCS rules

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Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules

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DSEC D

ECO 7806-EC: Statistical Methods for Economics

Number of teaching hours: 60 hrs

Teaching Hours per week: 4 hrs

Credit: 04

Course Objective:

To familiarize the students with various Statistical Data Analysis tools that can be used for effective decision making.

Learning Outcome:

Students will frame problems using multiple mathematical and statistical representations of relevant structures and relationships and solve using standard techniques.

Syllabus:

UNIT – I

Measures of Central Tendency: Mean, Median, Mode, Geometric and Harmonic Mean. Measures of Dispersion: Range, Quartile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation, Skewness and Kurtosis. Correlation: Simple, Coefficient of Correlation-Karl Pearson and Rank Correlation. Partial and Multiple Correlation

UNIT – II

Regression analysis: Estimation of regression line in a bivariate distribution (individual series), Least squares method, Interpretation of Regression coefficients.

Index Numbers: Concept, Price relative, Quantity relative and Value relative, Laspeyer's, Paasche's, Fisher, Family budget method, Tests for Ideal index number, Problems in the construction and limitations of index numbers. Time Series Analysis: Concept, Determination of regular, Trend and Seasonal indices.

Unit – III

Probability Basic concepts and calculation of simple probability problems, Mathematical Expectation, Binomial, Poisson and Normal distributions, Sampling Distribution of 1, x2 (chi square) and F and their properties (without proof), Testing of Hypothesis. Basic Concepts, t test (Significance of Mean and Difference between means), x2 test, F test, (test of Independence, homogeneity, and Goodness of Fit). Linear Programming- Formulation, Graphical solution, Simplex Method involving two variables for maximization only.

Reference Books:

1. Gupta S.P(2001), Statistical Methods, S. Chand & Sons.
2. K.N Nagar, S.N Mittal, M.L Oswal, S.S Modi (2012), Fundamentals of Statistics, 1st Edition, Minakshi

3. Cherunilam, F. (1994) Industrial Economics: Indian Perspective (3rd edition), Himalayan Publishing House, Mumbai.
4. Desai, B. (1999), Industrial Economy in India (3rd edition), Himalayan Publishing House, Mumbai
5. Divine, P.J and R. M. Jones et al. (1976), An Introduction to Industrial Economics, Georg Allen and Unwin Ltd., London.
6. Government of India, Economic Survey (Annual).

Teaching Learning Process: Lectures and tutorials
Assessment Methods: Internal assessment and final examination as per CBCS rules