Manipur University

Syllabus for Four-Year B.A. (Hons.) Economics

(DRAFT – As Per ORDINANCE FOR FOUR YEAR UNDERGRADUATE PROGRAMME (FYUP), 2025

Manipur University

Curriculum Structure of BA Economics 2025

Year	Seme-ster	Major (Credit)	Minor (Credit)	MDC (Credit)	AEC (Credit)	SEC*/ Dissertation (Credit)	Experiential Learning (Credit)	VAC (Credit)	Total Credits	Additional Summer Internship
I	I L100	Major – 1 (4) Introductory Microeconomics	Minor – 1 (4) (Level 100) (same as major)	MDC - 1 (3) Intro Micro economics	AEC – 1 (Communi-cation Skills) (4)	SEC – 1 (3) Data Entry and Visualisation		VAC – 1 (2)	20	Additional for Bachelor's Certificate (4)
	II L100	Major – 2 (4) Introductory Macroeconomics	Minor – 2 (4) (Level 100) (same as major)	MDC – 2 (3) Money and Banking	AEC – 2 (Academic Writing) (4)	SEC – 2 (3) Data Analysis		VAC – 2 (2)	20	
							I Year Credit		**40**	
Students exiting at 1 Year will be awarded **Bachelor's Certificate** after earning minimum credit in the concerned discipline provided the student earned additional **4 credits** in work-based vocational courses offered during the Summer internship or apprenticeship.										

Corse Structure of the Revised Ordinance for Undergraduate Programmes in Science, Arts, and Commerce, Economics 2025

Seme-ster	Core (Credit)	DSE (Credit)	GEC (Credit)	AECC (Credit)	SEC (Credit)	Dissertation	VAC (Credit)	Semester Credits
VII	Core-15 (6) **International Economics** (ECO815C) Core-16 (6) **Public Finance** (ECO816C) Core -17 (6) **Research Methodology**	DSE3*(6) **Political Economy-1**		Dissertation/Project of 12 Credits, undertaken over Semesters VII and VIII for the Bachelor's Degree (Honours with Research) , shall be allowed only if the CDPA up to Semester VI is above 7.5 in lieu of DSE-3 and DSE-4. Dissertation/Project Part I, carrying 6 credits in the VII semester. Dissertation/Project Part II, carrying 6 credits in the VIII Semester. Students in only Honours not taking Dissertation/Project should take DSE-3* and DSE-4*.				24
VIII	Core-18 (6) **The Economy of Manipur** (ECO817C) Core-19 (6) **Environmental Economics** (ECO818C) Core-20 (6) **Applied Econometrics**	DSE4*(6) **Political Economy-2**						24
Award of Bachelor's Degree (Honours/ Honours with Research) in a Discipline on earing a minimum of 48 credits from the fourth year with cumulative total of 188 Credits.								

Semester I

Economics Major-1/Minor-1/MDC-1: INTRODUCTORY MICROECONOMICS

Course Description

This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyze real-life situations.

Course learning outcome

1. The students would have learned the basic principles of microeconomic theory, important terms and concepts used in microeconomics etc.
2. The working of the markets is explained in terms of demand and supply in the market. The concept of welfare is also dealt in the context of market operation.
3. The behavior of basic units in consumption and production respectively are explained in terms of key concepts in respective areas.
4. The students would have learned the market structures of a perfectly competitive and monopoly market via their equilibrium states and relevant government policies.

Course Outline

1. Exploring the subject matter of Economics

Why study economics? Scope and method of economics; the economic problem: scarcity and choice; the question of what to produce, how to produce and how to distribute output; science of economics; the basic competitive model; prices, property rights and profits; incentives and information; rationing; opportunity sets; economic systems; reading and working with graphs.

2. Supply and Demand: How Markets Work, Markets and Welfare

Markets and competition; determinants of individual demand/supply; demand/supply schedule and demand/supply curve; market versus individual demand/supply; shifts in the demand/supply curve, demand and supply together; how prices allocate resources; elasticity and its application; controls on prices; taxes and the costs of taxation; consumer surplus; producer surplus and the efficiency of the markets.

3. The Households

The consumption decision - budget constraint, consumption and income/price changes, demand for all other goods and price changes; description of preferences (representing preferences with indifference curves); properties of indifference curves; consumer‘s optimum choice; income and substitution effects; labour supply and savings decision -choice between leisure and consumption.

4. The Firm
Behavior of profit maximizing firms and the production process; short run costs and output decisions; costs and output in the long run.

5. Market Structures:
Perfectly competitive markets- short run and long-run equilibrium, monopoly- short run and long run equilibrium, monopoly and anti-trust policy, government policies towards competition and imperfect competition.

Readings:

1. Karl E. Case and Ray C. Fair, *Principles of Economics*, Pearson Education Inc., 8th Edition, 2007.

2. N. Gregory Mankiw, *Economics: Principles and Applications*, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition, 2007.

3. Joseph E. Stiglitz and Carl E. Walsh, *Economics*, W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition, 2007.

Economics SEC-1: Data Entry and Visualisation

Credits: 3
Contact Hours: 3 per week (45 total hours per semester)
Level: Undergraduate BA – SEC-1

Course Objectives

1. To equip students with the ability to collect, enter, and manage data using appropriate software tools.
2. To develop competence in visualising data for interpretation and presentation.
3. To introduce basic statistical summaries and visual storytelling techniques.
4. To promote hands-on learning for academic, research, and workplace applications.

Course Outcomes

By the end of the course, students will be able to:

- CO1: Enter, clean, and manage datasets efficiently.
- CO2: Use spreadsheet and statistical software for data manipulation.
- CO3: Create charts, maps, and dashboards for data visualisation.
- CO4: Interpret and present data findings effectively.

Course Content

Unit I – Basics of Data Entry and Management

- Types and sources of data (primary, secondary)
- Data formats: text, numeric
- Spreadsheet basics (Microsoft Excel or similar application)
- Data entry practices: validation, drop-down lists, avoiding errors
- File management and version control

Unit II – Data Cleaning and Preparation

- Identifying and handling missing data
- Removing duplicates
- Text-to-columns, find-and-replace, data formatting
- Introduction to basic formulas: SUM, AVERAGE, COUNT,
- Sorting and filtering data

Unit III – Data Visualisation Principles

- Importance of data visualisation
- Types of charts: bar, line, pie, scatter, histogram
- Choosing the right chart for the data
- Basic design principles: clarity, accuracy, aesthetics

Unit IV – Practical Tools for Visualisation

- Creating charts and graphs in Excel/Google Sheets
- Introduction to pivot tables and pivot charts
- Conditional formatting for insights
- Introduction to free visualisation tools (Tableau Public / Google Data Studio / Flourish)
- Exporting visualisations for reports and presentations

Unit V – Applied Project and Presentation

- Designing a mini-project using real or sample datasets
- Combining data entry, cleaning, and visualisation skills
- Presentation of findings through a dashboard or slideshow

Suggested Readings

1. Cole Nussbaumer Knaflic (2015). *Storytelling with Data: A Data Visualization Guide for Business Professionals*. Wiley.
2. Schwabish, Jonathan A.(2021). *Better data visualizations : a guide for scholars.* New York : Columbia University Press
3. Shirshendu Roy. (2021). *Data Visualization: Using Power BI, Orange and Excel.* Notion Press
4. Microsoft Excel official documentation: https://support.microsoft.com/excel

Semester II

Economics Major-2/Minor-2/MDC-2**: INTRODUCTORY MACROECONOMICS**

Course Core Description

This course aims to introduce the students to the basic concepts of Macroeconomics. Macroeconomics deals with the aggregate economy. This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.

Course learning outcome

1. Students in this course will get familiarized with basic concepts of macroeconomics, its subject matter, its difference from microeconomics etc.
2. The students would have learned the basic concepts associated with the determination and measurement of aggregate macroeconomic variable like savings, investment, GDP, money, inflation, and the balance of payments.
3. The students would also have learned the basic structure of a classical and Keynesian system, how macroeconomic variables appear in them.

Course Outline

1. Introduction to Macroeconomics

Basic issues studied in macroeconomics; Macro vs. Micro Economics; Why Study Macroeconomics? Limitations of Macroeconomics; Stock and Flow variables, Equilibrium and Disequilibrium

2. National Income Accounting

Measurement of gross domestic product; income, expenditure and the circular flow; real versus nominal GDP; price indices; national income accounting for an open economy; balance of payments: current and capital accounts, the concept of System of National accounts

3. Money

Functions of money; quantity theory of money; determination of money supply and demand; credit creation; tools of monetary policy.

4. Inflation

Inflation – Meaning, Causes, Costs and Anti-Inflationary Measures; Inflation and its social costs; hyperinflation.

5. The Closed Economy in the Short Run

Classical and Keynesian systems; simple Keynesian model of income determination.

Readings:

1. Dornbusch, Fischer and Startz, *Macroeconomics*, McGraw Hill, 11th edition, 2010.

2. N. Gregory Mankiw. *Macroeconomics*, Worth Publishers, 7th edition, 2010.

3. Olivier Blanchard, *Macroeconomics*, Pearson Education, Inc., 5th edition, 2009.

4. Richard T. Froyen, *Macroeconomics*, Pearson Education Asia, 2nd edition, 2005.

5. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7th edition, 2011.

6. Errol D 'Souza, *Macroeconomics*, Pearson Education, 2009.

7. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, *International Economics*, Pearson Education Asia, 9th edition, 2012.

Economics SEC-2: Data Analysis

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 designed to be delivered through 2 classroom lectures and 4 computer lab classes per week.

Course 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.

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, organisation and cleaning using Excel

Unit 3

Alternative forms of presenting summarising and presenting data using Excel

Unit 4

Simple estimation techniques and tests for statistical inference using Excel

Readings:

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.

MDC-2: Money and Banking

Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, 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.

Course learning outcome

1. The students would have learned about the theory and functioning of the monetary and financial sectors of the economy.
2. Specifically, they would have learned the organization, structure and role of financial markets and institutions.
3. They will also learn concepts like interest rates, monetary management and instruments of monetary control.
4. Financial and banking sector reforms and monetary policy with special reference to India will also be taught.

Course Outline

1. Money

Concept, functions, measurement; theories of money supply determination.

2. Financial Institutions, Markets, Instruments and Financial Innovations

a. Role of financial markets and institutions; problem of asymmetric information – adverse selection and moral hazard; financial crises.

b. Money and capital markets: organization, structure and reforms in India; role of financial derivatives and other innovations.

3. Interest Rates

Determination; sources of interest rate differentials; theories of term structure of interest rates; interest rates in India.

4. Banking System

a. Balance sheet and portfolio management.

b. Indian banking system: Changing role and structure; banking sector reforms.

5. 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.

Readings:

1. F. S. Mishkin and S. G. Eakins, *Financial Markets and Institutions*, Pearson Education, 6th edition, 2009.

2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, *Foundations of Financial Markets and Institutions*, Pearson Education, 3rd edition, 2009.

3. L. M. Bhole and J. Mahukud, *Financial Institutions and Markets*, Tata McGraw Hill, 5th edition, 2011.

4. M. Y. Khan, *Indian Financial System*, Tata McGraw Hill, 7th edition, 2011.

5. Various latest issues of R.B.I. Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

BA 7th Semester

Core-17: Research Methodology

Credits: 4
Contact Hours: 4 per week (60 total hours per semester)
Level: BA 7th Semester/MA 1st Semester

Course Objectives

1. To introduce students to the basic principles, processes, and ethics of research.
2. To develop skills in designing, conducting, and reporting research.
3. To familiarize students with qualitative and quantitative research techniques.
4. To prepare students to undertake small research projects or dissertations.

Course Outcomes

On completion, students will be able to:

- CO1: Identify and explain the fundamental concepts and scope of research.
- CO2: Formulate research problems, objectives, and hypotheses.
- CO3: Choose appropriate research designs and sampling techniques.
- CO4: Collect, process, and analyse data using suitable tools.
- CO5: Prepare a well-structured research report with proper referencing.

Course Content

Unit I – Introduction to Research

- Meaning, objectives, and significance of research
- Types of research: fundamental, applied, descriptive, analytical, exploratory
- Ethics in research and plagiarism

Unit II – Research Process

- Steps in research
- Identifying and defining research problems
- Review of literature
- Formulation of objectives and hypotheses

Unit III – Research Design and Sampling

- Concepts of research design; types: exploratory, descriptive, experimental, case study
- Concepts of population and sample
- Probability and non-probability sampling techniques
- Determining sample size

Unit IV – Data Collection and Analysis

- Sources of data: primary and secondary
- Tools for data collection: questionnaires, interviews, observation, schedules
- Measurement and scaling techniques
- Data processing: coding, editing, tabulation
- Basics of statistical analysis: descriptive statistics, correlation, regression, chi-square test, t-test, F test(concept only)

Unit V – Report Writing and Presentation

- Structure of a research report
- Writing styles, citations, and referencing
- Use of plagiarism detection tools
- Presenting research findings

Suggested Readings

1. Kothari, C. R. & Garg, G. (2019). *Research Methodology: Methods and Techniques*. New Age International.
2. Kumar, R. (2021). *Research Methodology: A Step-by-Step Guide for Beginners*. SAGE.
3. Dr. M. Ranganatham, O.R. Krishnaswami, P.N. Harikumar (2023). *Research Methodology.* Himalaya Publishing House.
4. Deepak Chawla & Neena Sondhi. *Research Methodology: Concepts and Cases.* Vikas Publishing House, Second Edition, 2018