University of Rajasthan

Jaipur

SYLLABUS

(Three/ Four Year Under Graduate Programme in Science/Social Science)

Economics

V&VISemester

2025-26

अतिरिक्त कुलसचिव
राजस्थान विश्वविद्यालय, जयपुर

As per NEP-2020

University of Rajasthan
Department of Economics

Programme Name: UG802/803-Three/Four Year B.Sc.

The Programme is divided into four parts and each part will consist of two semesters.

Part	Year	Odd Semester	Even Semester
Part-I	First Year	Semester-I	Semester-II
Part-II	Second Year	Semester-III	Semester-IV
Part-III	Third Year	Semester-V	Semester-VI
Part-IV	Fourth Year	Semester-VII	Semester-VIII

Name of University: University of Rajasthan, Jaipur
Name of Faculty: UG0802/803 -B.Sc.
Name of Discipline: Economics
Programme Prerequisites : Passed 12th Class

Programme Outcomes (POs):

1. Students will be introduced to contemporary economic issues and challenges at both national and global levels, promoting a practical understanding of the discipline's relevance.Graduates will understand the basic economic issues and problems of the real world, enabling them to analyze and address these challenges effectively.

2. Graduates will be able to take informed actions by identifying the assumptions that frame our thinking and actions. They will assess the accuracy and validity of these assumptions and view ideas and decisions from intellectual, organizational, and personal perspectives.

3. The programme provides a firm basis for advanced thinking in the economics discipline. Graduates will comprehend the behavior and interactions of households, firms, and government institutions.

4. Students will learn the mathematical and statistical techniques essential for understanding economics. They will be trained to collect primary data and understand appropriate policy responses to economic problems.

5. Students will gain insights into the dynamics of economic development, including the roles of financial inclusion, sustainable development initiatives, and government policies.

6. The programme equips students with the flexibility to prepare for careers in academia, law, management, journalism, government, and many other fields, providing a broad range of opportunities.

Programme SpecificOutcomes(PSOs):

1. Demonstrate a sound understanding of fundamental economic concepts, principles, and theoretical frameworks that form the foundation of the discipline.
2. Apply economic theories and reasoning to analyze and interpret real-world economic issues, contemporary events, and policy debates.
3. Develop the ability to collect, interpret, and analyze economic data using quantitative and qualitative tools, and draw evidence-based conclusions.
4. To enable the students to assess socio-economic problems and propose viable policy solutions with an understanding of their practical implications.
5. To equip students with relevant technical, and communication skills that enhance their employability and prepare them for diverse career opportunities .

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SchemeofExaminationfortheSession 2025-2026

SchemeoftheExaminationforPracticalsubjects:

1Credit=25marksforexamination/evaluation

Continuous assessment, in which sessional work and the terminal examination will contribute to the final grade. Each course in Semester Grade Point Average (SGPA) has two components- Continuous assessment (20% Weightage) and (End of Semester Examination) EoSE (80% weightage)

1. Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study.

2. Each Paper of EoSE shall carry 80% of the total marks of the course/subject. The EoSE will be of 3 hours duration.

Part-A of the paper shall have multiple questions of equal marks. This first question shall be based on knowledge, understanding and applications of the topics/texts covered in the syllabus.

Part-B of the paper shall consist of 4 questions with an internal choice of each. The four questions will be set with one from each of the units with internal choice. Third to fourth questions shall be based on applications of the topics/texts covered in the syllabus (60% Weightage) and shall involve solving Problems (40% Weightage) if applicable.

3. 75% Attendance is mandatory for appearing in EoSE.

4. To appear in the EoSE examination of a course/subject student must appear in the midsemester examination and obtain at least a "C" grade in the course/subject.

5. Credit points in a Course/Subject will be assigned only if, the student obtains at least a C grade in midterm and EoSE examination of a Course/Subject.

SchemeoftheExaminationfor Non-Practicalsubjects:

1Credit=25marksforexamination/evaluation

Continuous assessment, in which sessional work and the terminal examination will contribute to the final grade. Each course in Semester Grade Point Average (SGPA) has two components- Continuous assessment (20% Weightage) and (End of Semester Examination) EoSE (80% weightage)

6.Sessional work will consist of class tests, mid-semester examination(s), homework assignments, etc., as determined by the faculty in charge of the courses of study.

7. Each Paper of EoSE shall carry 80% of the total marks of the course/subject. The EoSE will be of 3 hours duration.

Part-A of the paper shall have multiple questions of equal marks. This first question shall be based on knowledge, understanding and applications of the topics/texts covered in the syllabus.

Part-B of the paper shall consist of 2 questions with an internal choice of each. The questions will be set with one from each of the units with internal choice. Third to fourth questions shall be based on applications of the topics/texts covered in the syllabus (60% Weightage) and shall involve solving Problems (40% Weightage) if applicable.

Part-C of the paper shall consist of 4 questions with an internal choice of each. The four questions will be set with one from each of the units with internal choice. Third to fourth questions shall be based on applications of the topics/texts covered in the syllabus (60% Weightage) and shall involve solving Problems (40% Weightage) if applicable.

8. 75% Attendance is mandatory for appearing in EoSE.

9. To appear in the EoSE examination of a course/subject student must appear in the midsemester examination and obtain at least a "C" grade in the course/subject.

10. Credit points in a Course/Subject will be assigned only if, the student obtains at least a C grade in midterm and EoSE examination of a Course/Subject.

Contact Hours 15 Weeks per Semester

L — Lecture: (1 Credit = I Hour/Week)

T — Tutorial: (1 Credit = 1 Hour/Week)

S — Seminar: (1 Credit = 2 Hours/Week)

P — Practical/Practicum: (1 Credit = 2 Hours/Week)

F — Field Practice/Projects: (1 Credit = 2 Hours/Week)

SA — Studio Activities: (1 Credit = 2 Hours/Week)

I — Internship: (1 Credit = 2 Hours/Week)

C — Community Engagement and Service: (1Credit = 2 Hours/Week)

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Exit and Entrance Policy

1. Students who opt to exit after completion of the first year and have secured 48 credits will be awarded a UG Certificate if, in addition, they complete one internship of 4 credits during the summer vacation of the first year. These students are allowed to re-enter the degree programme within three years and complete the degree programme within the stipulated maximum period of seven years.

2. Students who opt to exit after completion of the second year and have secured 96 credits will be awarded the UG diploma if, in addition, they complete one internship of 4 credits during the summer vacation of the second year. These students are allowed to re-enter within a period of three years and complete the degree programme within the maximum period of seven years.

3. Students who wish to undergo a 3-year UG programme will be awarded UG Degree in the Major discipline after successful completion of three years, securing 150 credits and satisfying the minimum credit requirement.

4. A four-year UG Honours degree in the major discipline will be awarded to those who complete a four-year degree programme with 200 credits and have satisfied the minimum credit requirements.

5. Students who secure 75% marks and above in the first six semesters and wish to undertake research at the undergraduate level can choose a research stream in the fourth year. They should do a research project or dissertation under the guidance of a faculty member of the University/College. The research project/dissertation will be in the major discipline. The students, who secure 200 credits, including 12 credits from a research project/dissertation, are awarded UG Degree (Honours with Research).

LetterGradesandGradePoints

LetterGrade	GradePoint	MarksRange(%)
O(outstanding)	10	91-100
A+(Excellent)	9	81-90
A(Verygood)	8	71-80
B+ (Good)	7	61-70
B(Aboveaverage)	6	51-60
C(Average)	5	40 –50
P(Pass)	4	
F (Fail)	0	
Ab(Absent)	0	

Whenstudentstakeauditcourses,theymaybegivenapass(P)orfail(F)gradewithoutany credit.

SEMESTER WISE PAPER TITLES WITH DETAILS

Name of Programme: UG0802/803: B.Sc.								
Subject/ Discipline: Economics								
S No	Level	Semester	Type	Title	CREDITS			
					L	T	P	Total
1	7	V	MJR/MIN	UG802/803-ECO-75T-301 International, Development and Public Economics	6	0	0	6
2	7	VI	MJR/MIN	UG802/803-ECO-76T-302(A)- Indian Economy	6	0	0	6
				OR				
				UG802/803-ECO-76T-302(B)- Mathematical Economics	6	0	0	6

Syllabus

UG802/803--B.Sc.

Semester-V: Economics

Type	Paper Code and Nomenclature	Duration of Examination	Maximum Marks (Midterm+ EoSE)	Minimum Marks (Midterm+ EoSE)
Theory	UG 802/803-ECO-75T-301 International, Development and Public Economics	1 Hrs-MT 3Hrs- EoSE	30 Marks- MT 120 Marks- EoSE	12 Marks-MT 48 Marks-EoSE

Semester	V
Code of the Course	UG 802/803-ECO-75T-301
Title of the Course/Paper	International, Development and Public Economics
NHEQF Level	7
Credit	6
Level of the Course	Introductory
Type of the Course	Major/Minor
Delivery Type of the Course	Lectures
Prerequisites	Nil

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Objective of the Course	The course aims to develop an understanding of global economic interdependence and the principles governing international trade and finance. The students will be able to critically assess the challenges of economic growth and development, including the issues of poverty and inequality. It will equip them with an understanding of the the role of fiscal policy in economic management and resource allocation within an economy. The students will be able to analyze government spending patterns and their impact on production, distribution, and overall economic stability.

Course Outcomes:

CO1: Students will be able to explain the core theories of international trade and their implications for global economic relations.

CO2: Students will analyse key factors influencing economic growth and evaluate different models of economic development.

CO3: Students will comprehend the role of government in the economy and the principles of public revenue and taxation.

CO4: Students will explain the types and effects of public expenditure and the implications of public debt and fiscal policy.

Syllabus

Unit 1

Features of International Trade, Gains from Trade, Trade Theories: Adam Smith, Ricardo, Haberler, Mill, and H.O. Theory (Elementary Treatment). Free Trade and Protection, Foreign Exchange Market and Exchange Rate, Balance of Trade and Finance of Payment: Definition and Structure, International Monetary Fund, WTO Scope and Impact**(25 Lectures)**

Unit II

Economic Growth and Development: Factors Affecting Economic Growth, Measures of Development, Lewis Theory of Unlimited Supply of Labour, Balanced V/S Unbalanced Growth Model, Harrod-Domar and Solow Models, Concept of Poverty and Inequality. International Bank for Reconstruction and Development, Asian Development Bank

(25 Lectures)

Unit III

Nature and Scope of Public Finance. Role of Government in the Economy, Public Goods and Private Goods, Theory of Maximum Social Advantage, Optimal Budgeting, Public Revenue;

Canons of Taxation, Impact, Incidence and Shifting of Taxation, Direct and Indirect Taxation, GST.**(20 Lectures)**

Unit IV

Public Expenditure: Canons of Public Expenditure, Classification and Effects on Production and Distribution, Public Debt: Meaning, Objective and Burden Theories. Fiscal Policy: Meaning, Objectives and Anti-Inflationary Policy. **(20 Lectures)**

Book Recommended:

- R.A. Musgrave and P.B. Musgrave – *Public Finance in Theory and Practice*, McGraw-Hill Publication
- S. Ganguly – *Public Finance*, The World Press Pvt. Ltd.
- H.L. Bhatia – *Public Finance*, Vikas Publishing House Pvt. Ltd.
- John Cullis and Philip Jones – *Public Finance and Public Choice*, Oxford University Press
- Dominick Salvatore – *International Economics*
- K.C. Rana and K.N. Verma – *International Economics* (Hindi-English Edition)
- B.O. Sodersten and Geoffrey Reed – *International Economics*
- Michael P. Todaro – *Economic Development*, Macmillan
- A.P. Thirlwall – *Growth and Development*
- Debraj Ray – *Development Economics*, Oxford University Press
- S.K. Misra and V.K. Puri – *Economics of Development and Planning*, Himalaya Publishing House

Syllabus

UG802/803--B.Sc.

Semester-VI: Economics

Type	Paper Code and Nomenclature	Duration of Examination	Maximum Marks (Midterm+ EoSE)	Minimum Marks (Midterm+ EoSE)
Theory	UG 802/803-ECO-76T-302(A)- Indian Economy OR UG 802/803-ECO-76T-302(B)-Mathematical Economics	1 Hrs-MT 3Hrs- EoSE	30 Marks- MT 120 Marks- EoSE	12 Marks-MT 48 Marks-EoSE

Semester	**VI**
Code of the Course	UG 802/803-ECO-76T-302(A)
Title of the Course/Paper	Indian Economy
NHEQF Level	**7**
Credit	**6**
Level of the Course	**Introductory**
Type of the Course	**Major/Minor**

Delivery Type of the Course	**Lectures**
Prerequisites	**Nil**
Objective of the Course	This course aims to equip students with essential economic issues of the Indian economy. This course aims to provide a comprehensive understanding of India's economic landscape, focusing on its foundational elements, sectoral developments, and global economic interactions. It also provides an analytical approach regarding issues and problems of the Indian Economy & various public policies. Simultaneously,it generates a foundation of answer writing in competitive exams and developscritical thinking regarding important economic issues. It creates a deep understanding of the primary and secondary sectors of the Indian economy.

Course Outcomes

CO 1: Upon successful completion of this course, students will gain a comprehensive understanding of the structural features and current status of the Indian economy. They will be able to analyse the role of natural resources such as land, water, forests, and minerals in economic development, along with understanding demographic trends, the concept of population dividend, and the importance of population policies and human resource development.

CO 2: Students will understand agricultural marketing, food security concerns, and the importance of minimum support prices.

CO 3: In the industrial context, learners will explore the strategic role of industries, the contribution of MSMEs, challenges faced by Public Sector Undertakings, and the implications of disinvestment. The 1991 Industrial Policy and subsequent reforms will be discussed in detail.

CO 4: students will develop an understanding of India's foreign trade, its composition, direction, and evolving trends, along with foreign trade policy. The role of MNCs and SEZs in shaping the Indian economy will also be critically examined.

Syllabus

Unit-I

Basic Features and Present Status of Indian Economy, Natural Resources: Land, Water. Forests and Minerals. Population: Demographic Features and Major Trends, Concept of Population Dividend, Population Policy, Human Resource Development.**(25 Lectures)**

Unit-II

Agriculture: Role and Importance, Land Reforms, Growth of Modern Inputs: Irrigation, HYV, Fertilisers, Institutional Credit, Micro Finance, Agricultural Marketing, Food Security, Support Price. **(20 Lectures)**

Unit-III

Industry: Role, Strategy and Challenges, Role of MSMEs in Indian Economy, PSUs and Disinvestment. Industrial Finance. Industrial Policy,1991 and New Policy Initiatives for Industrial Development. National Income in India: Trends and Composition.**(25 Lectures)**

Unit-IV

Foreign Trade: Size, Composition and Direction, Recent Trends, Foreign Trade Policy. Role of MNCs in Indian Economy. SEZ.**(20 Lectures)**

Books Recommended:

1.DuttandSundaram: Indian Economy,S.Chand(Latest Edition) (HindiandEnglish).

2.A.N. Agrawal:Indian Economy,New Age International Pub.(P) Limited,(Latest Edition) (Hindi andEnglish).

3.Mishra&Puri:Indian Economy,HimalayaPublishingHouse,(Latest Ed.)(Hindiand English).

4.Uma Kapila, Indian Economy Since Independence, Academic Foundations.

5.Economic Survey, Government of India (Hindi & English).

6.Laxmi Narayan Nathuramka, Bhartiya Arthvyavsastha, College Book House, Jaipur (Latest Ed.)

Semester	**VI**
Code of the Course	UG 802/803-ECO-76T-302(B)
Title of the Course/Paper	Mathematical Economics
NHEQF Level	**7**
Credit	**6**
Level of the Course	**Introductory**
Type of the Course	**Major/Minor**
Delivery Type of the Course	**Lectures**
Prerequisites	**Nil**
Objective of the Course	The course aims to develop students' understanding of microeconomic theory through the application of mathematical tools. It emphasizes the use of mathematics in analyzing consumer behavior, utility maximization, demand functions, production and cost analysis, and firms' optimization under constraints. Key mathematical techniques such as the Slutsky equation, linear programming, and game theory are employed to model and solve complex economic problems

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Course Outcomes:

CO1: Students will be able to understand the theory of consumer behavior, utility maximization, and demand functions, including the application of the Slutsky equation.

CO2: Students will be able to **analyze** production functions like Cobb-DouglasandCES, isoquants, elasticity of substitution, and product curves.

CO3: Evaluate and derive firms' optimization behavior under constraints and determine input demand and cost functions in the short-run and long-run.

CO4: Apply concepts of linear programming and game theory (zero-sum games, maximin and minimax strategies, saddle point) to solve strategic economic problems.

Unit -I

Theory of Consumer Behaviour: Nature of a Utility Function; Properties of an Indifference Curve, conditions for convexity of indifference curve, Maximization of Utility- optimal combination of commodities, first and second order conditions,

Demand Functions - Ordinary and Compensated, Price and Income Elasticity. Slutsky Equation in two commodity case**(20 Lectures)**

Unit -II

Theory of Firm: Production Function - Properties of a Well Behaved and Homogeneous Production Functions - Cobb-Douglas and CES Production Functions; Product Curves; Output Elasticity of Factor Input; Properties of an Isoquant; Elasticity of Substitution of a Homogeneous Production Function-Linearly Homogeneous and Cobb-Douglas Production Functions. **(25 Lectures)**

Unit -III

Optimization Behaviour of a Firm - Constrained Cost Minimization, Constrained Output Maximization and Profit Maximization.

Input Demand Functions - Properties and Derivation of Producer's Input Demand functions.

Cost Functions - Properties and Derivation of Short Run and Long Run Cost functions.

Consumer's and Producer's Surplus. **(20 Lectures)**

Unit -IV

Linear Programming: Graphical and Simplex Method (Maximization Problem Only).

Input-Output Analysis: Concepts of Static, Dynamic, Closed and Open Input – Output Models, Hawkins-Simon Conditions of Viability, Determination of Gross Output, and Value Added in Open Input–Output Model, inter-industry demand matrix.

Theory of Games: Two-Person Constant Sum Games, Zero-Sum Game, Maximin and Minimax, Dominant Strategies, pure strategy, mixed strategy and Saddle Point Solution.

First Order Difference Equation - Cobweb Model. **(25 Lectures)**

Note: Use of Non-Programmable Calculator is Permitted.

Books Recommended:

1. J.M. Henderson and R.L. Quandt: Micro Economic Theory: A Mathematical Approach, McGraw-Hill. London.

2. RGD Allen, Mathematical Economics. McMillan

3. B.C. Mehta: Mathematical Economics: Micro Economic Models, Sultan Chand & Sons. New Delhi.

4. Mehta B.C. and G.M.K. Madnani, Mathematics for Economics, Sultan chand& Sons, New Delhi, 2008.

5. Alpha C. Chiang and Kevin Wainwright, Fundamental Methods of Mathematical Economics, Fourth Edition, Mc Graw Hill International Edition, 2005.

6. Knut Sydsaeter and Peter J. Hammond, Mathematics for Economic Analysis, Low Price Edition, Pearson Education, New Delhi, 2007.