University of Allahabad: UG-Programme Structure: B.A. & B.Sc. (Annexure I)

(Under NEP-2020 Framework with Multiple Entry and Exit Options)

(W.e.f. Academic Year 2025–26)

Year/ Awarded Qualification	Semester	Major (Subject 1)		Major (Subject 2)		Minor (Subject 3)	MD*/AEC*/ VAC*/SEC*/ Internship*/Project/*CW*/ELO*	Research Project	Overall Credits	Credits Required	Additional Requirement	Programme Exit/ Re-entry to Degree Programme
		Core	Elective	Core	Elective							
I[st] Y/ UG-Certificate	I	8	-	8	-	4	2	-	22	**44**	**Completion of one 2-credit course in each semester, either from AEC or SEC streams, is mandatory**	**After Year 1/ Within three years of exit**
	II	8	-	8	-	4	2	-	22			
		16		**16**		**8**	**4**		**44**			
II[nd] Y/ UG-Diploma	III	8	-	8	-	4	2	-	22	**88**	**Completion of one 2-credit course in each semester, either from MD or VAC streams, is mandatory**	**After Year 2/ Within three years of exit**
	IV	8	-	8	-	4	2	-	22			
		16		**16**		**8**	**4**		**44**			
III[rd] Y /UG-Degree	V	8	4	8	4	-	**	-	24	**136**	——	**After Year 3/ Within three years of exit**
	VI	8	4	8	4	-	**	-	24			
		24		**24**			**		**48**		**UG Degree with Dual Major**	
IV[th] Y/UG-Honours Degree	VII	12	12	-	-	0	**	-	24	**184**	——	After Year 4/ N/A
	VIII	12	12	-	-	0	**	-	24			
		48		-			**		**48**		**UG Honours Degree**	
	TC	**104**		**56**		**16**	**8**	-	**184**			
IV[th] Y /UG-Honours Degree with Research	VII	12	12	-		-	**		24	**184**	**Minimum 75% marks in the first six semesters, top 10% rank in III[rd] Y, and completion of a faculty-guided research project/dissertation in the major discipline.**	**After Year 4/ N/A**
	VIII	12	0	-		-	-	12	24			
		36						**12**	**48**		**UG Honours Degree with Research**	
	TC	**92**		**56**		**16**	**8**	**12**	**184**			
	The maximum time in which a student will be allowed to complete the Degree is Seven Years from the date of enrolment.											

** MD – Multidisciplinary, AEC – Ability Enhancement Courses, VAC – Value Added Courses, SEC – Skill Enhancement Courses, Internship – Internship/Field Training, Project – Project Work, CW – Community Work, ELO – Experience Learning Opportunity. At the University of Allahabad, course offerings under SEC, AEC, VAC, and Multidisciplinary (MD) streams—including those available through SWAYAM—will be announced based on available faculty expertise, infrastructure, and institutional resources. Final approved lists, along with the time slots and venues, will be published on the University website in each academic years.*

*** Students are encouraged to take VAC, SEC, and related stream courses through online platforms such as SWAYAM/MOOCs.* ***Our Minor papers (I_IV) & Elective papers (V-VII) of at least 18 credits will be aligned with the objectives of SEC & VAC streams to fulfill the academic and skill-oriented goals of NEP 2020.***

SUBJECT WITH THREE PAPERS ONLY: –

ANTHROPOLOGY; ENGLISH LITERATURE; ENGLISH LANGUAGE; ECONOMICS; MATHEMATICS; OFFICE MANAGEMENT

MAJOR[8 CREDITS EACH SEMESTER]

The tentative credit and marks distribution is as follows:

Component	Credits	Credits in Subject	Max Marks	
			External Exam	Sessional Exam: CIA
Theory Paper I	3	**8[L/T]**	50	**60**
Theory Paper II	3		50	
Theory Paper III	2		40	
			140	
Practical	0	**0 P**	00	
Total	8	**8[L/T] + 0 P = 8**	**200** (Theory) + **00** (Practical) = **200**	

MINOR[4 CREDITS EACH SEMESTER]

The tentative credit and marks distribution is as follows:

Component	Credits	Credits in Subject	Max Marks	
			External Exam	Sessional Exam: CIA
Theory Paper I	4	**4 [L/T]**	**70**	**30**
Theory Paper II				
Theory Paper III				
Practical	0	**0 P**	**00**	
Total	4	**4[L/T] + 0 P = 4**	**100** (Theory) + **00** (Practical) = **100**	

Note to Departments: CIA shall be conducted by the respective course faculty within the stipulated deadline. The consolidated CIA shall be submitted to the CoE office, UoA, through the HoD

Department of Economics
University of Allahabad

CURRICULUM FRAMEWORK FOR
UNDER GRADUATE PROGRAMME IN ECONOMICS

WITH EFFECT FROM ACADEMIC YEAR: 2025-26

Course Structure of Undergraduate Program

BA Economics

Sem.-I and Sem.-II

Economics as Major Subject			
Semester	**Course Code**	**Discipline Specific Core**	**Credit**
I	**ECO-DSC01**	Microeconomics-I	3
	ECO-DSC02	Indian Economy-I	3
	ECO-DSC03	Techniques of Economic Analysis-I	2
II	**ECO-DSC04**	Microeconomics-II	3
	ECO-DSC05	Indian Economy-II	3
	ECO-DSC06	Techniques of Economic Analysis-II	2

BA Economics

Sem.-I

Economics as Major Course			
Semester	**Course Code**	**Discipline Specific Core**	**Credit**
I	**ECO-DSC01**	Microeconomics-I	3
	ECO-DSC02	Indian Economy-I	3
	ECO-DSC03	Techniques of Economic Analysis-I	2

ECO-DSC01: Microeconomics-I

Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[3] / []	[0] / [0]	[3] / []

Course Objectives:

1. To help students explore the theoretical background behind some fundamental concept of microeconomics.
2. To help the students understand the economic behaviour of a consumer and a producer.
3. To expose students towards the basic economic choices in differenteconomic systems.
4. To enable students, relate the decision making at micro level from textbooks to real world.

Syllabus:

Unit	Course Content	Hours of Teaching
I	Nature of Microeconomics and its Difference with Macroeconomics Macro decision, Law of Demand and Supply, Market Demand, A brief introduction of Elasticity of Demand	**15**
II	Theory of Consumer's Behaviour. Consumer's Equilibrium, Indifference Curve Analysis. Price Effect, Income Effect and Substitution Effect (Hicks & Slutsky Methods). An Elementary Treatment of Revealed Preference Theory, Consumer's Surplus.	**15**
III	Production Function: An Elementary Treatment, Laws of Variable Proportions, Returns to Scale, Substitution in Production, Producer's Equilibrium, Elasticity of Substitution	**15**

Texts Books:

1. Koutsoyiannis, A., *Modern Micro Economics*, Macmillan Press, London.
2. Dominick Salvatore, *Principles of Micro Economics*, Oxford, New Delhi.
3. Gregory Mankiw, N., *Principles of Economics,*Cengage Learning, India.
4. Pindyck, R. S. Rubuinfeld, D.L. & Mehta, P.L. *Microeconomics,* Pearson Education.
5. Paul A. Samuelson and William D. Nordhaus; Microeconomics, McGraw Hill Education, 19th edition
6. H.L. Ahuja, Advanced Economics Theory, S. Chand & Co Ltd.

Learning Outcomes:

1. The learners will learn about the problems of choice, concept of opportunity cost and the major economic problems.
2. The learner will also know about the concept of utility, demand and supply analysis.
3. They will acquire knowledge about the various theories of production, long run and short run producer behaviour
4. The learners will have a better understanding of the economic decision making by individual consumer and producer.

ECO-DSC02: Indian Economy-I
Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[3] / [ ]	[0] / [0]	[3] / [ ]

Course Objectives:

This Course aims to

1. To understand the features of Indian economy.
2. To familiarize students with the current issues and trends in the Indian economy.
3. To analyze major structural and policy changes in Energy and Power Sector.
4. To study the role of key sectors like agriculture, industry, and services in the economy.
5. To assess government initiatives addressing rural credit.

Syllabus

Unit	Course Content	Hours of Teaching
I	Nature and Symptoms of Under-development, Indices of Development such as HDI, etc. Main Features of Indian Economy, The Energy and Power Sector in India and its Challenges	15
II	The Agricultural Sector, Salient Features of Indian Agriculture. Changing Agrarian Structure. Mechanization ofAgriculture, Rural Un-employment in India.	15
III	Rural Credit Structure in India, Role of Commercial Banks, Regional Rural Banks, Cooperative Banks, Land Development Banks, Primary Agricultural credit Societies, NABARD in Rural Credit	15

Texts / Reference Books:

1. Mishra, S.K. & Puri, V.K. – *Indian Economy: Its Development Experience* – Himalaya Publishing.
2. Datt, R. & Sundaram, K.P.M. – *Indian Economy* – S. Chand & Company.
3. Kapila, Uma – *Indian Economy: Performance and Policies* – Academic Foundation.
4. Economic Survey of India (Latest Edition) – Ministry of Finance, Government of India.
5. Union Budget, Government of India.
6. India Development Report – IGIDR, Mumbai.
7. RBI Annual Reports and Handbooks.
8. NITI Aayog Reports – *Strategy for New India @75*, *Viksit Bharat @2047*, SDG India Index.

Learning Outcomes:
Upon successful completion of this course, students will be able to:

1. Understand the structural transformation of the Indian economy in the post-Independence era.
2. Critically evaluate the policy related to power sector in India.
3. Critically evaluate sector-specific issues and policy interventions in agriculture Sector.
4. Interpret socio-economic challenges through the lens of rural unemployment
5. Assess the role of rural credit for rural development.

ECO-DSC03: Techniques of Economic Analysis - I

Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[2] / []	[0] / [0]	[2] / []

Course Objectives:

1. Understand and Apply Measures of Central Tendency and Dispersion.
2. Analyse Relationships Using Correlation Techniques.

Syllabus

Unit	Course Content	Hours of Teaching
I	**Statistics:** Nature, functions, importance; collection of data classification and tabulation; Diagrammatic and graphical Representation of data: Bar, Pie, Histogram, and Ogive etc. **Measures of central tendency:** Arithmetic Mean, Weighted Mean, Harmonic Mean Geometric Mean, Median, Mode etc., their relative Merits. C.S.O. and N.S.S.O. Functions, Organization Working etc.	15
II	**Measures of Dispersion:** Range, Quartile/Percentile Deviation, Mean Deviation, Standard Deviation, Coefficient of Variation, Lorenz Curve **Measures of Skewness and Kurtosis**. **Correlation:** Linear and Rank, **Index Numbers:** Nature, Construction, Limitation, Importance, Construction of Index Numbers: Simple, Weighted and Price Relative Methods.	15

Texts/ Reference Books:

1. Gupta, S. P. (2020). *Statistical methods* (10th ed.). Sultan Chand & Sons.
2. Gupta, S. C., & Kapoor, V. K. (2020). *Fundamentals of mathematical statistics* (12th ed.). Sultan Chand & Sons.
3. Shukla, M., & Sahay, S. (2018). *Quantitative methods* (3rd ed.). Vikas Publishing House.
4. Agarwal, D. R. (2015). *Mathematics and statistics in economics*. New Age International Publishers.
5. Bagchi, K. K. (2007). *Research methodology in social sciences: A practical guide*. Abhijeet Publications.
6. Sharma, B. A. V., Prasad, K., & Rao, U. R. (2000). *Research methods in social sciences*. Sterling Publishers

Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Calculate and interpret mean, median, mode, SD, and CV for data analysis. (Application, Analysis)

2. Analyse relationships using correlation methods (Pearson, Spearman)

BA Economics
Sem.-II

Economics as Major Course			
Semester	**Course Code**	**Discipline Specific Core**	**Credit**
II	**ECO-DSC04**	Microeconomics-II	3
	ECO-DSC05	Indian Economy-II	3
	ECO-DSC06	Techniques of Economic Analysis-II	2

ECO-DSC04: Microeconomics-II

Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[3] / [ ]	[0] / [3]	[3] / [ ]

Course Objectives:

1. To enable students understand the concepts related to short and long run production cost and its relationship with producers equilibrium.

2. To introduce the idea of market structure and its use in microeconomic theory.

3. To prepare students identify and analyse the behaviour of a seller in two fundamental market scenarios.

4. To expose students towards the basics of factor pricing in a perfectly competitive market structure.

5. To develop a brief understanding of determination of wage, rent, profit and interest rates at the micro level.

Syllabus

Unit	Course Content	Hours of Teaching
I	Cost Function, Different concepts of costs: Nominal, Real and Opportunity cost, Cost Curves.	15
II	Nature of Market, Revenue Function, Revenue Curves, Price Determination under Perfect Competition, Monopoly, Discriminating Monopoly, Imperfect and Monopolistic Competition-Elementary Treatment	15
III	Marginal Productivity Theory of Distribution, Rent: Ricardian & Opportunity Cost Theories, Quasi Rent. Wage: Labour Supply and Demand Theory of Wages, The Marginal Productivity Theory, Interest: The Classical and Loanable Funds Theory, Profit: Schumpeter, Knight and J.K. Mehta. .	15

Textbooks:

1. Koutsoyiannis, A., *Modern Micro Economics*, Macmillan Press, London.
2. Dominick Salvatore, *Principles of Micro Economics*, Oxford, New Delhi.
3. Gregory Mankiw, N., *Principles of Economics,* Cengage Learning, India.
4. Pindyck, R. S. Rubuinfeld, D.L. & Mehta, P.L. *Microeconomics,* Pearson Education.
5. Paul A. Samuelson and William D. Nordhaus; Microeconomics, McGraw Hill Education, 19th edition
6. H.L. Ahuja, Advanced Economics Theory, S. Chand & Co Ltd.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Learners are trained to understand the interrelationships between costs, revenues and prices for producer and sellers.
2. Learners will be trained to identify the market structure, its pricing dynamics and the nature of competition or monopoly power
3. Learners are familiar with the principles of factor pricing at the micro level.
4. The learners get exposed with the nature and working of product markets and factor markets.

ECO-DSC05: Indian Economy-II

Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[3] / [ ]	[0] / [0]	[3] / [ ]

Course Objectives:

This Course aims to

1. To familiarize students with the current issues and trends in the Indian economy.
2. To analyze major structural and policy changes in post-reform India in Industrial sector.
3. To study the role of key sectors like an industry in the economy.
4. To understand the implications of globalization, climate change, and digitalization on the Indian economy.
5. To familiarize students with the current issues and trends in the Uttar Pradesh economy.

Syllabus

Unit	Course Content	Hours of Teaching
I	Industrial Sector, Objectives of Industrial Development, Categorisation of Industries, Growth and Expansion of Public Sector Enterprises, Development and Expansion of Private Industry	15
II	Role and Importance of Cottage and Small Scale Industry. Problems of Industrial Labour in India. India's Foreign Trade: Composition and Direction, Service sector in India and its Performance	15
III	Economy of Uttar Pradesh: Salient features. Demographic features of India's Population, Demographic features of UttarPradesh. Agriculture in Uttar Pradesh: Nature and Problems. Industrial Development in Uttar Pradesh: Nature and Problems, Challenges and Prospects of Exports from Uttar Pradesh.	15

Texts / Reference Books:

1. Mishra, S.K. & Puri, V.K. – *Indian Economy: Its Development Experience* – Himalaya Publishing.
2. Datt, R. & Sundaram, K.P.M. – *Indian Economy* – S. Chand & Company.
3. Kapila, Uma – *Indian Economy: Performance and Policies* – Academic Foundation.
4. Economic Survey of India (Latest Edition) – Ministry of Finance, Government of India.

5. Union Budget, Government of India.
6. India Development Report – IGIDR, Mumbai.
7. RBI Annual Reports and Handbooks.
8. NITI Aayog Reports – *Strategy for New India @75*, *Viksit Bharat @2047*, SDG India Index.

Learning Outcomes:

Upon successful completion of this course, students will be able to:

1. Understand the structural transformation of the Indian economy
2. Critically evaluate sector-specific issues and policy interventions in industrial and service sector.
3. Interpret socio-economic challenges through the lens of Industrial labour.
4. Analyze the implications of globalization and foreign trade in the Indian economy.
5. Understand the basic features of Uttar Pradesh economy.

ECO-DSC06 : Techniques of Economic Analysis - II

Course Information:

	Theory	Practical	Cumulative
Credits / Marks	[2] / []	[0] / [0]	[2] / []

Course Objectives:

1. Introduce mathematical concepts essential for economic theory and applications.
2. Equip students with the ability to apply algebraic, calculus, and optimization techniques to analyze economic problems.
3. Foster understanding of the relationship between mathematical expressions and economic concepts like cost, revenue, elasticity, and optimization.
4. Prepare students for advanced courses in microeconomics, macroeconomics, and econometrics that rely on mathematical tools.

Syllabus

Unit	**Course Content**	**Hours of Teaching**
I	**Approach to Economic Analysis:** Micro-Economics and Macro-Economics, Illustrations of Micro and Macro Problems. **Nature of Static and Dynamic Equilibrium:** Concepts and Types. **Functional Relationships in Economics:** Demand, Supply, Cost, Revenue, Savings, Income and Investment etc., Illustration from Micro and Macro Economics, **Equations:** Solution of Simultaneous Linear and Quadratic Equations, Analysis of Market Equilibrium Algebraic and Graphical Solutions. Curves and straight Lines, Rate of change and slope – Economics illustrations, use of Linear and Non-linear functions in economics – market demand, cost and revenue curves etc. nature of parabolic curves. Cost and Revenue curves and related Economics Illustrations	15
II	**Rates of Growth:** Simple, Compound, proportional, logarithmic and Exponential **Differentiation:** Elementary idea and interpretation of first and second order derivatives, Maxima and minima (elementary Treatment) Economic Applications of derivatives, marginal revenue Marginal Cost, Elasticity of Demand, Elasticity of Supply, Marginal Propensity to Consume (MPC), Marginal Propensity to save (MPS) Capital–Output Ratio, Profit maximization and Cost minimization. Use of Mathematical Tools in Economics Analysis.	15

Texts / Reference Books:

1. Chiang, Alpha C., & Wainwright, Kevin. *Fundamental Methods of Mathematical Economics*. McGraw-Hill Education.
2. Sydsæter, Knut, Hammond, Peter, Seierstad, Atle, & Strøm, Arne. *Further Mathematics for Economic Analysis*. Pearson Education Limited.
3. Sydsæter, Knut & Hammond, Peter. *Mathematics for Economic Analysis*. Pearson Education Limited.
4. Simon, Carl P. & Blume, Lawrence. *Mathematics for Economists*. W.W. Norton & Company.
5. Dowling, Edward T. *Schaum's Outline of Introduction to Mathematical Economics*. McGraw-Hill Education.
6. Hoy, Michael, Livernois, John, McKenna, Chris, Rees, Ray, &Stengos, Thanasis. *Mathematics for Economics*. MIT Press**.**
7. Dowling, Edward T. *Schaum's Outline of Introduction to Mathematical Economics*. McGraw-Hill.

Learning Outcomes:

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

1. Demonstrate proficiency in algebraic operations and solve linear and nonlinear equations; also graph and interpret economic relationships using functions and equations.

2. Apply differential calculus to analyse marginal concepts in economics, and use optimization techniques to solve constrained and unconstrained economic problems.