



Course Syllabus  
Gyanmanjari Institute of Arts  
Semester-4 (B.A)

**Subject:** Agriculture Economics -BATEC14314

**Type of course:** Major

**Prerequisite:**

Basic understanding of economics, particularly the fundamental principles of microeconomics and macroeconomics, along with a general awareness of agricultural practices and rural development.

**Rationale:**

The study of Agricultural Economics is crucial for comprehending the economic principles underlying agricultural production, marketing, finance, and policy. In an agrarian economy like India, agriculture plays a pivotal role in national development, employment generation, and food security. This course equips students with analytical tools to evaluate resource use, farm efficiency, market structures, and the role of government intervention.

**Teaching and Examination Scheme:**

Teaching Scheme			Credits	Examination Marks			Total Marks	
CI	T	P	C	SEE	CCE			
					MSE	ALA		
4	0	0	4	100	30	70	200	

Legends: CI-Classroom Instructions; T – Tutorial; P - Practical; C – Credit; SEE - Semester End Evaluation; MSE- Mid Semester Examination; V – Viva; CCE-Continuous and Comprehensive Evaluation; ALA- Active Learning Activities.

4 Credits \* 25 Marks = 100 Marks (each credit carries 25 Marks)

SEE 100 Marks will be converted in to 50 Marks

CCE 100 Marks will be converted in to 50 Marks

It is compulsory to pass in each individual component.



**Course Content:**

Sr. No	Course content	Hrs	% Weightage
1	<b>Structure &amp; Importance of Indian Agriculture</b> <ul style="list-style-type: none"> <li>• Nature and role of agriculture in the Indian economy</li> <li>• Agriculture and sectoral linkages (Industry &amp; Service sector)</li> <li>• Factors affecting agricultural production and productivity</li> <li>• Socio-economic challenges in agriculture</li> <li>• Food security and procurement system</li> <li>• Issues related to climate change, natural resources, and rural development</li> </ul>	15	25 %
2	<b>Green Revolution &amp; Agricultural Technology</b> <ul style="list-style-type: none"> <li>• Concept and background of the Green Revolution</li> <li>• Major components: HYV seeds, irrigation, fertilizers, pesticides, mechanization</li> <li>• Impact on agricultural productivity and rural transformation</li> <li>• Regional imbalances and environmental limitations</li> <li>• Recent technological trends: Nano-fertilizers, improved seeds, irrigation developments</li> <li>• Case studies: Wheat and Rice production growth</li> </ul>	15	25 %
3	<b>Agricultural Policies, Government Schemes &amp; Market Structure</b> <ul style="list-style-type: none"> <li>• Objectives of Agricultural Policy in India</li> <li>• Farmer protection: land reforms, removal of intermediaries</li> <li>• Price policy and Minimum Support Price (MSP) system</li> <li>• Key Government Schemes: PM-AASHA, PMKSY, Soil Health Card, PMFBY, e-NAM</li> <li>• Market reforms, procurement, warehouses, food processing and value chain</li> <li>• Agricultural credit, insurance, subsidies, and rural welfare programs</li> </ul>	15	25 %
4	<b>Institutional Reforms &amp; Sustainable Agriculture</b> <ul style="list-style-type: none"> <li>• Land reforms, cooperatives, Farmer Producer Organizations (FPOs)</li> <li>• Irrigation development, agricultural mechanization, farm energy</li> <li>• Sustainable agriculture: organic farming, environmental protection, soil health</li> <li>• Conservation of natural resources—land, water, biodiversity</li> <li>• Future strategies: Zero-oilseed import strategy, Nano-DAP expansion</li> <li>• Agricultural development programs: Five-Year Plans, modernization efforts.</li> </ul>	15	25 %



**Continuous Assessment:**

Sr. No	Active Learning Activities	Marks
1.	<b>Issue-Based Review: Need for Separate Study</b> Students will examine short real-world scenarios related to seasonality, land limitations, weather dependency and price volatility. They will prepare a short write-up explaining why agricultural economics requires separate study and upload it to the GMIU Web Portal.	10
2	<b>Farm Organization Comparison Activity</b> Students will study different types of farm organizations (family farm, cooperative farm, corporate farm). They will compare them based on efficiency, size and resource use, and upload their comparative chart to the GMIU Web Portal.	10
3	<b>Green Revolution Impact Analysis</b> Students will analyze data or case studies showing the impact of the Green Revolution on yields, poverty and regional imbalances. They will prepare a short Report and upload it to the GMIU Web Portal.	10
4	<b>Market Structure Observation Task</b> Students will observe a local agricultural market (mandi, vegetable market or APMC yard). They will record types of markets, participants, pricing and functions, and upload a field-report to the GMIU Web Portal.	10
5	<b>Government Intervention Analysis Task</b> Students will examine one government scheme related to agricultural finance (e.g., KCC, NABARD, PM-KISAN). They will explain why government intervention is necessary and upload their findings (docs form) in to the GMIU Web Portal.	10
6	<b>MSP Trend Data Activity</b> Students will analyze MSP trends for major crops using available government data. They will identify changes over time, reasons for revisions and upload their analytical summary to the GMIU Web Portal.	10
7	<b>Attendance:</b>	10
Total		70

**Suggested Specification table with Marks (Theory):100**

Distribution of Theory Marks (Revised Bloom's Taxonomy)						
Level	Remembrance (R)	Understanding (U)	Application (A)	Analyze (N)	Evaluate (E)	Create (C)
Weightage	40%	20%	00	20%	20%	00

**Note:** This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.



**Course Outcome:**

After learning the course the students should be able to:

CO1	Understand the Nature and Scope of Agricultural Economics.
CO2	Analyze Production Economics and Farm Organization.
CO3	Examine Agricultural Transformation and Market Structure.
CO4	Evaluate Agricultural Finance and Price Policy.

**Instructional Method:**

The course delivery method will depend upon the requirement of content and the needs of students. The teacher, in addition to conventional teaching methods by black board, may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

**Reference Books:**

- [1] Lekhi, R. K., & Singh, H. (2018). Agricultural Economics: An Indian Perspective (6th ed.). Kalyani Publishers.
- [2] Reddy, S. S. (2006). Agricultural Economics. Oxford & IBH Publishing Company Pvt. Ltd.
- [3] Barkley, A. P., & Barkley, P. W. (2022). Principles of Agricultural Economics (4th ed.). Cambridge University Press.
- [4] Desai, P. K. (2017). Agricultural Economics. Himalaya Publishing House. ([Scribd][4])
- [5] Pingali, P., & co-authors. (2022). Transforming Food Systems for a Rising India. Cambridge University Press.

