



University of Kerala

Discipline	ECONOMICS				
Course Code	UK1DSCECO105				
Course Title	AGRICULTURAL ECONOMICS				
Type of Course	DSC				
Semester	1				
Academic Level	100 – 199				
Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	4	4 hours	-	-	4
Pre-requisites	Basic understanding of Economics				
Course Summary	The course covers the foundational principles, theories, and practices focusing on the linkages between agriculture and economy, production management, and agriculture marketing.				



Detailed Syllabus:

Module	Unit	Content	Hrs
I		Introduction	10
	1	Definition and scope of Agricultural Economics.	
	2	Role of agriculture in economic development; interdependence between agriculture and industry.	
	3	Modernization in agriculture, organic farming, smart agriculture	
	4	Agricultural growth and poverty	
II		Economics of Agricultural Production and Farm Management	15
	5	Agricultural production-Production Function analysis- types of costs and their interrelationship.	
	6	Economics of Farm Management, Principles of Farm Management, Budgeting.	
	7	Farm size and productivity relation.	
III		Land Systems and Agricultural Finance	15
	8	Principles of land utilization – land distribution – structure and trends.	
	9	Land tenures and farming systems – peasant, capitalist, collective, and state farming. Tenancy and crop sharing	
	10	Issues of marginal and small farmers, rural unemployment, Agricultural wages	
	11	Sources of rural credit, Agricultural credit challenges, opportunities, and strategies.	
IV		Agricultural Prices, Marketing, and Trade	10
	12	Agricultural prices and policy- Meaning and objectives of agricultural price policy- administered prices.MSP, need for an agricultural price policy - Food security, Public Distribution system.	
	13	Market Structure, marketing mix, and market segmentation -Classification and characteristics of agricultural markets. Role of IT –Market research – Market information service – electronic auctions (e-bay), Domestic and Export Market Intelligence Cell (DEMIC) – Market extension.	
	14	Risk in marketing, Types of risk in marketing, speculation & hedging, futures trading.	
	15	International trade in Agri commodities: WTO, and Agreement on Agriculture (AoA).	
V		Analysis and Application	10
	16	Analysis of Indian agriculture-land reforms-green revolution-agricultural prices, international trade and its implications-trends in agricultural production.	



Reading List

1. Schultz, Theodore.W,(1964), Transforming traditional agriculture, Yale City Press, New Haven.
2. Das Gupta, (1977): The New Agrarian Technology and India, Macmillan, New Delhi.
3. Subrata Ghatak and Ingersent,Ken, (1984): Agriculture and Economic Development; Harvester Press, Sussex.
4. Uma Kapila,(2023): Indian Economy Since Independence, 34th edn, Academic Foundation, Delhi.
5. Earl.O.Heady, (1952): Economics of Agricultural Production and Resource use; Prentice Hall, New York.
6. C.H. Hanumantha Rao, (1994): Agricultural Growth, Rural Poverty and Environmental Degradation, Oxford University Press, New Delhi.

Course Outcomes

No.	Upon completion of the course, the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Develop appropriate strategies for agricultural marketing	R, U, Ap, An, E, C	PSO-1
CO-2	Apply economic analysis techniques to farm management decisions.	R, U, Ap, An, E, C	PSO-2 PSO-3
CO—3	Gain insight into agricultural markets and marketing	R, U, Ap, An	PSO-2,3
CO-4	Develop critical thinking skills to analyze and evaluate agricultural economic issues.	R, U, Ap, An, E, C	PSO-3,4

R-Remember, U-Understand, Ap-Apply, An-Analyze, E-Evaluate, C-CREATE

Note: 1 or 2 COs/module

Name of the Course: Credits: 4:0:0 (Lecture: Tutorial:Practical)



CO No.	CO	PO/PSO	Cognitive Level	Knowledge Category	Lecture (L)/Tutorial (T)	Practical (P)
CO-1	Develop appropriate strategies for agricultural marketing	PO-1,2 PSO-1	R, U, Ap, An, E, C	F, C	L	
CO-2	Apply economic analysis techniques to farm management decisions.	PO-1,2 PSO-1,2	Ap, An ,C	P, M	L	
CO-3	Gain insight into agricultural markets and marketing	PO-1, 2 PSO-1,2	R, U, Ap, An	P, M	L	
CO-4	Develop critical thinking skills to analyze and evaluate agricultural economic issues.	PO-1,2,3 PSO-1 PSO-2	R, U, Ap, An, E, C	P, M	L	

F-Factual, C- Conceptual, P-Procedural, M-Metacognitive

Mapping of COs with PSOs and POs:

CO No.	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3	PO4	PO5	PO6	Average



CO1	3	2	-	-	-	-	3	3	1	1	-	2	2.14
CO2	3	3	1	-	-	-	3	3	1	-	-	2	2.29
CO3	3	3	2	-	-	-	3	2	-	1	-	1	2.14
CO4	3	3	2	-	-	-	1	3	3	3	2	1	2.4
Average	3	2.75	1.67	0	0	1	3	2.75	1.67	1.33	1	2	

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

Correlation Levels:

Assessment Rubrics:

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Programming Assignments
- Final Exam

Mapping of COs to Assessment Rubrics:

CO No.	Internal Exam	Assignment	Project Evaluation	End Semester Exam
CO1	✓	✓	-	✓
CO2	✓	✓	-	✓
CO3	✓	✓	-	✓
CO4	✓	✓	✓	✓

