

Module-LO Matrix of Agribusiness Study Program

NO.	Modules	LEARNING OUTCOMES			
		ATTITUDES	KNOWLEDGE	SKILLS	
				GENERAL SKILLS	SPECIFIC SKILLS
1	Religion	AV 7	SC 4	OS 4	OS 10
2	Civic	AV 7	SC 4	OS 4	OS 10
3	Indonesian	AV 7	SC 4	OS 4	OS 10
4	English	AV 7	SC 4	OS 4	OS 10
5	Pancasila	AV 7	SC 4	OS 4	OS 10
1	Mathematics	AV 1, AV 2, AV 3			
2	Introduction to Agricultural Sciences	AV 5	SC 1, SC 2		
3	Botany	AV 5	SC 1, SC 2, SC 3		
4	Research Method	AV 2, AV 7	SC 2, SC 5, SC 6		
5	Fundamentals of Agronomy	AV 5	SC 1, SC 2, SC 3		
6	Introduction to Agricultural Technology*	AV 3	SC 1, SC 2, SC 3		
7	Statistics	AV 4	SC 4, SC 5	OS 3	
8	Agroclimatology	AV 3	SC 1, SC 2, SC 3		
9	Fundamentals of Soil Science	AV 3	SC 1, SC 2, SC 3		
10	Fundamentals of Plant Protection	AV 3	SC 1, SC 2, SC 3		
11	Soil and Water Conservation*	AV 3	SC 1, SC 2, SC 3		
12	Field Practice	AV 2, AV 4, AV 5, AV 8	SC 2, SC 4, SC 6	OS 3, OS 4, OS 5	OS 8, OS 10

NO.	Modules	LEARNING OUTCOMES			
		ATTITUDES	KNOWLEDGE	SKILLS	
				GENERAL SKILLS	SPECIFIC SKILLS
	Introduction to Agricultural Economics	AV 5	SC 1, SC 2, SC 3	OS 1	
	Micro Economics		SC 4	OS 3	OS6
	Macro Economics		SC 3	OS 3	OS 6
	Managerial Economics*	AV 2, AV 4, AV 6, AV 7	SC 3, SC 4, SC 5	OS 1, OS 3, OS 4	OS 6, OS 7, OS 8. OS 10
	Economy of Agribusiness Institutions	AV 4	SC 3	OS 5	OS 8
	Sharia Economics*	AV 1	SC 1, SC 2, SC 3	OS 1, OS 5	OS 6, OS, 10, OS 11
	International Economics	AV 1, AV 2, AV, 3, AV 4	SC 4	OS 4	OS 8
	Natural Resource Economics	AV 4	SC 4	OS 1, OS 3, OS 4	OS 6, OS 11
	Agribusiness Production Economics	AV 4	SC 4, SC 5	OS 1, OS 2, OS 3	OS 6, OS 10, OS 11
	Fundamentals of Management	AV 2, AV 4, AV 8	SC 3	OS 1	OS 6, OS 7, OS 11
	Human Resource Management*	AV 4	SC 1	OS 1	OS 6
	Supply Chain and Value Chain Management***	AV 8	SC 5	OS 4	OS 10
	Farm Management	AV 8	SC 3	OS 1, OS 2	OS 11
	Agribusiness Strategic Management and Policy	AV 4, AV 5, AV 7	SC 1, SC 2, SC 3	OS 4	OS 6, OS 10, OS 11
	Agribusiness Production Management	AV 7	SC 6	OS 5	OS 10
	Agribusiness Marketing Management	AV 2, AV 4, AV 5, AV 7, AV 8	SC 2, SC 3, SC 4, SC 5	OS 1, OS, 2, OS 5	OS 8, OS 9, OS 10, OS 11
	Regional Planning*	AV 6	SC 2, SC 3	OS 4	OS 6
	Fundamentals of Business	AV 8	SC 1, SC 3	OS1	OS6
	Agribusiness System	AV 8	SC 1, SC 2	OS1	OS10
	Agribusiness Accounting and Finance	AV 8	SC 4	OS1	OS11

NO.	Modules	LEARNING OUTCOMES			
		ATTITUDES	KNOWLEDGE	SKILLS	
				GENERAL SKILLS	SPECIFIC SKILLS
	Agribusiness Feasibility Analyses	AV 4, AV 8	SC 2, SC 3, SC 4	OS3, OS4, OS5	OS10, OS11
	Agribusiness Multi commodity and Ecosystem	AV 4, AV 5	SC 1, SC 3	KPB 1, OS4	OS 10, OS 11
	Entrepreneurship	AV 8	SC 4	OS2	OS 8
	Rural Sociology	AV 4, AV 5	SC 3	OS5	OS8
	Agricultural Extension	AV 6	SC 4	OS5	OS7, OS8
	Agribusiness Communication	AV 2, AV 4	SC 3	OS5	OS7
	Agribusiness Social Organization and Leaderships	AV 4	SC 4	OS5	OS8, OS11
	Development Sociology	AV 3, AV 4	SC 4	OS1, OS3	OS6
	Mass Communication*	AV 5	SC 3	OS5	OS7
	Applied Computer	AV 8	SC 4	OS 5	OS 6
	Statistics for Agribusiness		SC 4, SC 5	OS 5	OS 6, OS 10
	Social Research Methodology	AV 7	SC 6	OS 1, OS 3	OS 10
	Econometrics	AV 8	SC 2, SC 3, SC 4, SC 6	OS 1, OS 3, OS 4	OS 6, OS 8, OS 10, OS 11
	Research Operation	AV 8	SC 2, SC 3, SC 4, SC 6	OS 1, OS 3, OS 4	OS 6, OS 8, OS 10, OS 11
	Seminar	AV 7	SC 1, SC 2, SC 5, SC 6	OS 1, OS 3, OS 4	OS 6, OS 10
	Internships**	AV 2, AV 4	SC 1, SC 2, SC 4	OS 3, OS 4	OS 10
	Thesis	AV 2, AV 7	SC 1, SC 2, SC 3, SC 4, SC 5, SC 6	OS 1, OS 4	OS 10
	Demography	AV 4, AV 5	SC 3	OS 1	
	Community Empowerment	AV 1, AV 2, AV 5	SC 2, SC 3, SC 4	OS 3, OS 4, OS 6	OS 6, OS 7, OS 8
	Information Technology and	AV 5	SC 4	OS 5	OS 6

NO.	Modules	LEARNING OUTCOMES			
		ATTITUDES	KNOWLEDGE	SKILLS	
				GENERAL SKILLS	SPECIFIC SKILLS
	Multimedia				
	Group Dynamics and Participatory Methods*	AV 5	SC 4	OS 5	OS 6
	Participatory Development Methods*	AV 4, AV 5	SC 2, SC 4	OS 3, OS 5	OS 8
	Participatory Development Planning and Evaluation*	AV 7	SC 4	OS 1, OS 3	OS 6, OS 7
	Community Service Program/CSP**	AV 1, AV 4, AV 5, AV 7	SC 1, SC 4, SC 6	OS 3, OS 4, OS 5	OS 6, OS 8, OS 10

NOTE:

1. Attitudes and Values:

- AV 1 : To fear of The Almighty God
- AV 2: To have good morals, ethics and personality in completing their duties
- AV 3 : To play a role as a proud citizen and love the homeland and support world peace
- AV 4 : To be able to work together and have social sensitivity and high concern for society and the environment.
- AV 5 : To appreciate the diversity of cultures, views, beliefs, and religions as well as other people's original opinions/findings
- AV 6 : To highly uphold law enforcement and have the spirit to put the interests of the nation and the wider community first.
- AV 7 : To be able to internalize correct academic values and norms related to honesty, ethics, attribution, copyright, confidentiality and data ownership
- AV 8 : To be able to internalize the entrepreneurial spirit

2. Science Competencies

- SC 1 To be able to understand the latest issues in the field of agribusiness both at the basic level and at the advanced level
- SC 2 To be able to understand knowledge and technology in the field of agribusiness including the development of professional practice through research studies to produce proven innovative work in the field of agribusiness
- SC 3 To be able to understand the fields of economics, management, business, entrepreneurship, institutions, sociology, counseling, and communication as well as agricultural sciences for the development of sustainable agribusiness operation systems.
- SC 4 To be able to understand operationally the social, economic, and technological principles that underlie the management of

agricultural businesses, and agricultural industries as well as socio-cultural aspects in rural areas for decision making and problem solving in the field of agribusiness.

SC 5 To be able to manage research, and development in the field of agribusiness that is beneficial to society and science and is able to gain national and international recognition.

SC 6 To be able to communicate research results in the field of agribusiness education in the form of scientific publications in national, and international accredited scientific journals.

3. Occupational Skills

3.1. General Skills

OS 1 To be able to plan, implement, and evaluate the allocation of natural, human, capital and social resources to improve the efficiency of agribusiness system operations, and be able to operate, and develop innovative, accountable agribusiness business units, creating added value by prioritizing social principles agricultural economics, and quantitative, and qualitative approaches to realizing sustainable, and efficient agribusiness.

OS 2 To be able to manage, develop, and market sustainable agriculture-based agribusiness products by applying agricultural socio-economic principles through quantitative and qualitative approaches.

OS 3 To be able to make the right decisions using quantitative, and qualitative methods, and able to recommend alternative solutions individually and in groups on various agribusiness problems.

OS 4 To be able to apply, and utilize science and technology in solving problems in the field of agribusiness that is adaptive to environmental changes.

OS 5 To be able to communicate, and negotiate effectively with stakeholders in developing agribusiness operating systems by utilizing information technology in the agribusiness sector, to realize sustainable, and efficient agribusiness.

3.2. Specific Skills

OS 6 To be able to use methods, and formulate strategies for using resources to increase self, and community capacity in facing the challenges of future agribusiness development.

OS 7 To be able to communicate business policies, and agribusiness management for the benefit of farmer empowerment.

OS 8 To be able to motivate, and empower the community in the field of agribusiness development to improve community welfare.

OS 9 To be able to create job opportunities, or business in the agribusiness sector in a sustainable manner by involving the wider community.

OS 10 To be able to integrate concepts, and practices in the field of agribusiness and entrepreneurship.

OS 11 To be able to manage, and develop agribusiness by implementing a management system that guarantees quality output.