

Agribusiness AAS

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment							
	AGB100	AGB121	AGB123	AGB124	AGB213	AGB225	AGB234	ECN201
1. (Comprehension Level) Describe the commodity marketing system including raw materials and undifferentiated food products. (CSLO 3)	✓	✓	✓	✓	✓	✓	✓	✓
2. (Comprehension Level) Describe the food marketing system beginning with raw materials and ending with the consumer. (CSLO 3)	✓	✓	✓	✓	✓	✓	✓	✓
3. (Knowledge Level) Identify the purpose and need for agricultural financial records. (CSLO 4)	✓	✓	✓	✓	✓	✓	✓	✓
4. (Synthesis Level) Develop an enterprise analysis system. (CSLO 2)	✓	✓	✓	✓	✓	✓	✓	✓
5. (Comprehension Level) Explain accounting principles and rules. (CSLO 3)	✓	✓	✓	✓	✓	✓	✓	✓
6. (Application Level) Demonstrate knowledge of the role of agriculture in economic development. (CSLO 1 & 2)	✓	✓	✓	✓	✓	✓	✓	✓
7. (Application Level) Demonstrate the ability to use various applications of computer technology for agricultural management and problem solving. (CSLO 3 & 4)		✓	✓	✓	✓		✓	✓
8. (Analysis Level) Calculate appropriate financial ratios from an income statement and a balance sheet. (CSLO 3 & 4)		✓	✓	✓	✓		✓	✓
9. (Comprehension Level) Understand the basic functions of operating a business. (CSLO 4)		✓					✓	✓
10. (Application Level) Maintain a complete set of accounting records for a sole proprietorship, including the financial statements and completion of the accounting cycle. (CSLO 2 & 3)		✓					✓	✓
11. (Synthesis Level) Utilize accounting information to make business decisions. (CSLO 2 & 3)		✓					✓	
12. (Application Level) Identify and apply leadership critical thinking skills. (CSLO 1 & 3)		✓					✓	
13. (Application Level) Use writing and reading for inquiry, thinking, learning and communicating. (CSLO 4)		✓					✓	

Agriculture Business Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment							
	AGB100	AGB124	AGB225	BUS101	AGB123	AGB121	AGB213	ANS110
1. (Comprehension Level) Describe the commodity marketing system including raw materials and undifferentiated food products. (CSLO 2)	✓	✓	✓	✓	✓	✓	✓	✓
2. (Comprehension Level) Describe the food marketing system beginning with raw materials and ending with the consumer. (CSLO 2)	✓	✓	✓	✓	✓	✓	✓	✓
3. (Knowledge Level) Identify the purpose and need for agricultural financial records. (CSLO 2)	✓	✓	✓	✓	✓	✓	✓	✓
4. (Synthesis Level) Develop an enterprise analysis system. (CSLO 2,4)	✓	✓	✓	✓	✓	✓	✓	✓
5. (Comprehension Level) Explain accounting principles and rules. (CSLO 2)	✓	✓	✓	✓	✓	✓	✓	
6. (Application Level) Demonstrate knowledge of the role of agriculture in economic development. (CSLO 2,4)	✓	✓	✓	✓	✓	✓	✓	
7. (Application Level) Demonstrate the ability to use various applications of computer technology for agricultural management and problem solving. (CSLO 2)		✓		✓	✓	✓		
8. (Analysis Level) Calculate appropriate financial ratios from an income statement and a balance sheet. (CSLO 2)		✓		✓	✓	✓		
9. (Comprehension Level) Understand the basic functions of operating a business. (CSLO 1,2,3,4)				✓		✓		
10. (Application Level) Maintain a complete set of accounting records for a sole proprietorship, including the financial statements and completion of the accounting cycle. (CSLO 2)				✓		✓		
11. (Synthesis Level) Utilize accounting information to make business decisions. (CSLO 2,3,4)						✓		
12. (Application Level) Identify and apply leadership critical thinking skills. (CSLO 1,2,3,4)						✓		
13. (Application Level) Use writing and reading for inquiry, thinking, learning and communicating. (CSLO 1,2,3,4)						✓		

Agriculture General Certificate

Program Learning Outcomes (PLOs)	Measurable Student Learning Outcomes (MSLOs)- PLO Alignment		
	AGB100	AGB124	AGS240
1. (Comprehension Level) Identify and describe the various taxonomic systems for plants and animals. (CSLO 2)	✓	✓	✓
2. (Comprehension Level) Describe the anatomy and tissues of the root, stem, leaf and flower. (CSLO 2)	✓	✓	✓
3. (Evaluation Level) Identify and justify the importance of photosynthesis and respiration in plants. (CSLO 2,4)	✓	✓	✓
4. (Evaluation Level) Describe and evaluate the impact of genetics and biotechnology research in plants and animals. (CSLO 1,2,4)	✓	✓	✓
5. (Knowledge Level) Identify the five key functions of soil in our ecosystem. (CSLO 2)	✓	✓	✓
6. (Analysis Level) Analyze and relate the influence of the seven soil physical properties to the functions of soil. (CSLO 2,4)	✓	✓	✓
7. (Comprehension Level) Define and discuss the concept of natural resources as it relates to agricultural production. (CSLO 1,4)		✓	✓
8. (Evaluation Level) Identify, analyze, evaluate and discuss the various methods for insect pest management. (CSLO 2)		✓	✓
9. (Synthesis Level) Create a computerized agricultural accounting system. (CSLO 2)			✓
10. (Analysis Level) Demonstrate knowledge of microcomputer components, their uses, and examine applications in agriculture and associated businesses. (CSLO 2,3)			✓
11. (Analysis Level) Identify and compare the fundamental marketing and distribution principles of animal, dairy, and poultry science. (CSLO 2,4)			✓
12. (Analysis Level) Examine the principles of animal genetics in domestic animal production. (CSLO 2,4)			✓
13. (Comprehension Level) Describe the functional anatomy and physiology of domestic animals. (CSLO 2)			✓