

# Agriculture Program

## ISLOs, PSLOs, CSLOs, Mapping, and Assessment Plan

		Year 1		Year 2		Year 3		Year 4		Year 5		Year 6	
		F 2013	S 2014	F 2014	S 2015	F 2015	S 2016	F 2016	S 2017	F 2017	S 2018	F 2018	S 2019
<b>INSTITUTIONAL STUDENT LEARNING OUTCOMES - ISLOs</b>													
<b>ISLO 1</b>	<b>COMMUNICATION</b>												
1A	Read												
1B	Listen												
1C	Write												
1D	Dialogue												
<b>ISLO 2</b>	<b>TECHNOLOGY AND INFORMATION COMPETENCY</b>												
2A	Demonstrate Technical Literacy												
2B	Apply Technology												
2C	Access Information												
2D	Evaluate and Examine Information												
<b>ISLO 3</b>	<b>CRITICAL AND CREATIVE THINKING</b>												
3A	Inquire												
3B	Analyze												
3C	Problem Solve												
3D	Express												
<b>ISLO 4</b>	<b>CITIZENSHIP</b>												
4A	Ethics												
4B	Diversity												
4C	Sustainability/Global Awareness												
4D	Personal Responsibility												
<b>AGRICULTURE PROGRAM OUTCOMES - PSLOs</b>		<b>Related ISLOs</b>		C-Completed		P-Planned							
PSLO A	Assess the interdependence of relationships that exist between plants, animals, the environment and humans.	1A,1B,1C,1D; 2C,2D;3A,3B, 3C;4A,4B,4C, 4D		C	C	C		C		P	P	P	P
PSLO B	Evaluate the economic importance of agriculture to various societies /cultures.	1A,1B,1C,1D; 2C,2D;3A,3B, 3C,3D;4A,4B, 4C,4D		C	C	C		C		P	P	P	P

# Agriculture Program

## ISLOs, PSLOs, CSLOs, Mapping, and Assessment Plan

		Year 1		Year 2		Year 3		Year 4		Year 5		Year 6	
		F 2013	S 2014	F 2014	S 2015	F 2015	S 2016	F 2016	S 2017	F 2017	S 2018	F 2018	S 2019
PSLO C	Assess the impacts of agricultural production practices on the environment and society.	1A,1B,1C,1D; 2C,2D;3A,3B, 3C;4A,4B,4C, 4D			C	C	C		P	P	P	P	P
PSLO D	Relate the biology of plants and or animals to agricultural management practices.	1A,1B,1C,1D; 2A,2B,2C,2D; 3A,3B,3C;4A, 4B,4C,4D			C	C	C		P	P	P	P	P
<b>AGRICULTURE COURSE OUTCOMES - CSLOs</b>		<b>Related PSLO</b>											
<b>AGRI 0028 Independent Study</b>													
CSLO 1	Develop an independent study project with written goals and objectives to include critical thinking.	A, B, C							C				P
CSLO 2	Complete proposed project independently.								C				P
CSLO 3	Evaluate project success with instructor.								C				P
<b>AGRI 0095 Internship in Agriculture</b>													
CSLO 1	Through work experience, under the direction of worksite supervisor, perform duties related to learning objectives.	A, B, C							C				P
CSLO 2	Establish two on-the-job learning objectives related to new or expanded responsibilities or learning objectives that contribute to current occupational or educational goals.								C				P
CSLO 3	Evaluate learning experience in writing or by project related to learning								C				P
<b>AGRI 0156 Introduction to Plant Science (also BIOL 0021)</b>													
CSLO 1	Relate plant anatomy & physiology including structural and reproductive systems, plant metabolism, growth and development to agricultural management practices.	D								C			
CSLO 2	Identify and define major plant growth factors of soils, their role in plant growth	A				C				C			
CSLO 3	Compare various methods growers use to manipulate plant physiological processes for increased plant productivity and quality and assess economic.	A,D								C			
<b>AGRI 0159 Integrated Pest Management</b>													
CSLO 1	Explain the economic significance of pests on the environmental horticulture economy.	B				C					C		
CSLO 2	Identify ecological principles as they relate to the concept of integrated pest management.	A, D				C					C		
CSLO 3	Recognize and analyze pest infestation damage caused by insects, weeds, diseases, and other common pests.	A, D				C					C		
<b>AGRI 0160B Methods of Propagation</b>													
CSLO 1	Develop propagation plans for various crops.	B, D									C		
CSLO 2	Determine correct selection of rooting hormones for various propagation methods, and demonstrate proper application.	B,D									C		

# Agriculture Program

## ISLOs, PSLOs, CSLOs, Mapping, and Assessment Plan

		Year 1		Year 2		Year 3		Year 4		Year 5		Year 6	
		F 2013	S 2014	F 2014	S 2015	F 2015	S 2016	F 2016	S 2017	F 2017	S 2018	F 2018	S 2019
CSLO 3	Analyze plant materials for appropriate cuttage selection, and apply appropriate handling and storage protocols to various plant species for <u>collection and propaoule preparation.</u>								C				
<b>AGRI 0164 Sustainable Tree Care</b>													
CSLO 1	Identify the role of trees in the urban forest environment and the human - forest interface.				C						C		
CSLO 2	Assess and identify nutrient requirements of landscape trees, and recommend methods for correcting nutrient and/or toxicity problems based upon <u>sustainable principles.</u>				C						C		
CSLO 3	Describe soil management conditions based on sustainable principles for <u>favorable plant growth.</u>				C						C		
CSLO 4	Describe basic tree anatomy, and differentiate generic and species characteristics to <u>apply appropriate tree management.</u>				C						C		
CSLO 5	Evaluate and apply the best management practices for maintaining trees in urban and landscape settings based upon sustainable principles.				C						C		
<b>AGRI 0196 Introduction to Sustainable Agriculture</b>													
CSLO 1	Assess an agro ecosystem for its level of sustainability based on indicators of <u>a sustainable system.</u>		C						C				
CSLO 2	Describe the values, themes, methods, and history of sustainable agriculture <u>regionally and worldwide.</u>		C						C				
CSLO 3	Summarize the ecological roles of plants and their functional relationships to an agro ecosystem.		C						C				
CSLO 4	Evaluate systems of water and soil management promoting the sustainable <u>use of resources.</u>		C						C				
<b>AGRI 0198 Food, Society &amp; the Environment</b>													
CSLO 1	Inventory the wide variety of human needs and wants derived from agricultural <u>sources (food, beverages, medical and commercial products).</u>		C						C				
CSLO 2	Evaluate the dependence of humans on commercial agriculture production and therefore <u>natural resource use.</u>		C						C				
CSLO 3	Review and quantify the significance of human-caused agricultural sources of pollution, in their various forms, and relate this to the longevity of natural <u>ecosystems.</u>		C						C				
CSLO 4	Recognize and identify the major world views, philosophies, and interpretations held historically and currently as related to humans, nature and the <u></u>		C						C				
<b>AGRI 0200 Introduction to Animal Science</b>													
CSLO 1	Compare and contrast animal uses and meat and animal product consumption in <u>different cultures and world economies.</u>		C							C			
CSLO 2	Relate fundamental physiology of domestic animals to the anatomy of several body systems including but not limited to cardiovascular, reproductive, <u>digestive, endocrine, exocrine, immune and muscle.</u>		C							C			
CSLO 3	Apply basic biology discussed throughout the course to the management of domestic animal species.		C							C			
CSLO 4	Compare and contrast current technology used in animal production and assess their impact on management practices.		C							C			
<b>AGRI 0203 Animal Feeds and Nutrition</b>													



