

Agriculture Program Outcomes Crosswalk and 7-Year Assessment Plan

- IO1 **Communication:** Students will be able to communicate clearly and effectively within a workplace context
- IO2 **Quantitative Reasoning:** Students will be able to reason mathematically using methods appropriate to the profession
- IO3 **Human Relations/Workplace Skills:** Students will be able to demonstrate teamwork and/or workplace specific skills related to human relations
- PO4 Students will demonstrate critical-thinking and problem-solving skills as they make decisions in agricultural management situations
- PO5 Students will demonstrate knowledge of scientific principles when applied to a variety of crop production systems
- PO6 Students will show knowledge of workplace safety when handling food, chemical/pesticides, and equipment
- PO7 Students will select and use the appropriate precision and software application technology
- PO8 Students will demonstrate knowledge of business principles when applied to agricultural businesses and operations.
- PO9 Students will select and use the appropriate precision and software application technology
- PO10 Students will collect and evaluate data from various technologies and make management decisions from the data collected.
- PO11 Students will apply the rules, protocols, and safety required to operate an unmanned aerial system for commercial agriculture purposes
- PO12 Students will apply plant and soil science concepts to crop production.

NCBT: Not currently being taught

AG	7-YR ASSESSMENT PLAN & CROSSWALK							
Course #	Course	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28
	ASSESSMENT CYCLE YEAR	YR 5	YR 6	YR 7	YR 1	YR 2	YR 3	YR 4
	CAMPUS PLAN	IO3	IO3		IO1	IO1	IO2	IO2
AGR 101	ORIENTATION TO AG INDUSTRIES & CAREERS				IO 1			PO 6
AGR 110	WATER MGMT IN AG	PO12					IO 2	PO 6
AGR 120	INTRO TO PRECISION AG					PO5		
AGR 211	AG WEEDS IDENTIFICATION & CONTROL	PO12					IO 2	PO 6
AGR 212	AG SAFETY & PESTICIDES		PO 4					PO 6
AGR 241	FARM & RANCH MGMT					PO5	IO 2	PO 6
AGR 251	INTEGRATED PEST MGMT	PO12						PO 6
AGR 261	PLANT SCIENCE			PO7				PO 6
AGR 263	SOILS			PO7				PO 6
AGR 265	CROP PRODUCTION	PO12						PO 6
AGR 271	AG SALES & MARKETING							PO 6
AGR 272	FOOD SUSTAINABILITY & SAFETY		PO 4					PO 6
AGR295/7	WORK-BASED LEARNING	IO3	PO 4		IO1			
ACCT 105	INTRO TO ACCOUNTING			PO 8			IO 2	
BUS 170	CONSUMER FINANCE			PO 8			IO 2	
BUS 200	SUPERVISION			PO 8				
ECON 201	MICRO ECONOMICS			PO 8				
GIS 110	GIS I				IO1	PO 9/10		
GIS 210	GIS II					PO 9/10	IO 2	
GIS 220	REMOTE SENSING	NCBT						
UMS 107	COMMERCIAL UAS REMOTE PILOT	IO3				PO 11		
UMS 112	UAS GROUND SCHOOL	IO3				PO 10		
UMS 142	UAS FLIGHT LAB				IO1	PO 11		