

Curriculum Map Plant Science Department College of Agriculture

Objective- Students will learn management techniques to modify and control factors that affect plant growth and development.

I=outcome is introduced **D**=outcome is practiced **M**=Outcome is Mastered **A**=Evidence Collected

Course (number and title)	SLO #1: Synthesize and implement irrigation strategies that optimize plant growth and conserve water in multiple diverse situations.	SLO #2: Develop and utilize management strategies and calendars of operations to grow plants under given climatic parameters of an area.	SLO #3: Analyze and create a recommendation for control of a pest situation (eg. weeds, insects, pathogens) within their given area of emphasis.	SLO #4: Analyze soil nutrient tests and determine an appropriate strategy to remedy deficiencies.	SLO#5: Synthesize, implement and demonstrate management, cultural and breeding techniques to produce agronomic and ornamental crops
PLT 131 Landscape Horticulture	I	I	I	I	I
PLT 132 Plant Propagation		I			
PLT 133 Agricultural Cropping Systems	I	I	I	I	I
PLT 231 Basic Soil Science		D		I	
PLT 232 Irrigation & Water Management	D	D			
PLT 233 Intro to Arthropods		D	I		I
PLT 301 Investigative Techniques in Plant Science					D
PLT 302 Technology Innovations in Plant Science	D				
PLT 331 (weeds) Weeds & Weed Control			M/A		
PLT 332 (fertility) Soil Fertility & Fertilizers				D/M	
PLT 333 (IPM) Integrated Pest Management			M/A		
PLT 401 Crop Ecology	M/A	M/A	A	M	M
PLT 411 Environmental Toxicology		M	M	M	M
PLT 441 Internship OR	M				

PLT 461 Senior Project	M				
PLT 463 Senior Seminar	A	A		A	A
BOT 124 General Botany				I	
BOT 323 Plant Pathology			D		
BOT 428 Plant Physiology	D	M		D	D