Department: Agriculture, Agribusiness, and Environmental Science Program: Masters of Plant and Soil Science (PLSS)

		Delivery of Skill Set
Skill Set	Professional Application	Courses, extracurricular activities, etc. in which the skill
		set is introduced (I), reinforced (R), or mastered (M)
Core Skill: Strategic Thinking Skills	Students in the program employ critical thinking to evaluate	PLSS 6344 Crop Protection, PLSS 5351Advanced Plant
	complex crop-production problems, chemical reactions in soils and	Propagation, PLSS 5390 Soil Fertility and Nutrient
	develop adapted solutions to ensure the sustainability and	Management
	productivity of row crops, and horticultural crops.	PLSS 5337 Prac App Plant Biotechnology
		PLSS 6346 Citrus & Subtrop Fruit Crops
Core Skill: Systems Thinking Skills	Through individual and group research activities, students acquire	PLSS 6379 Posthar Physiol of Hort Crops
	the critical skills for a system approach analysis of	PLSS 5353 Advanced plant Pathology
	horticultural/agricultural problems and test various solutions	PLSS 5390 Integrated Pest Management,
	through proper experimental designs to propose adapted and grower	PLSS 5360 Exper. Designs & Data Analysis
	implementable solutions. Students acquire critical skills via. Journal	
	review discussions and literature review project work on how the	
	system functions in relation to nutrient recycling, chemical	
	reactions in soils, and nutrient availability under different cropping	
	systems.	
Core Skill: Business Management Skills	Through hands-on training, students acquire the technical skills that	
	allow them to identify agricultural pests and diseases and propose	
	integrated management approaches, plant propagation skills that are	
	readily implementable by growep002 (o)-5 (atts)6.004 ()-2.008d[r)-3.	