

SOIL & NUTRIENT DIAGNOSTICS FOR AGRICULTURAL PRODUCTION
Course No: SWS 6136

Credits: 3.0 hours Summer Semester Distance Education Mode

Classes start: May 15th, 2023

Chat Sessions: Tues @ 6PM

CLASSES	TOPIC	EXAMS/PROJECT
1	Introduction & Scope	
2	Review of Soil Physical and Chemical Properties	
3	Popular N Sources and Management	
4	Popular P and K Formulations and Management	
5	Secondary and Micronutrient Sources and Management	
6	Introduction to Field Soil Management & Techniques	TEST 1
7	Field Nutrient Management for Agronomic Crops	
8	Field Nutrient Management for Horticultural Crops	
9	Agricultural Soils of Florida	
10	Predictive and Diagnostic Tools for Agriculture	
11	Soil Testing, Interpretation and Nutrient Recommendations	
12	REVIEW	
13	MID-TERM	MID-TERM EXAM
14	Nutrient Diagnostics Using NIR and MIR Techniques and Remote Sensing	
15	Soil pH, Lime Requirement and Management	
16	Organic and Waste Nutrient Sources & Management	
17	Fertilizers, Formulations and Calculations	TEST 2
18	4Rs- Concept and Applications	
19	Agricultural BMPs, Development, Implementation & Monitoring	
20	Field Practicum	2 WEEKS
21	Review, Summary and Discussions	
	FINAL	FINAL EXAM