PLANT & SOIL SCIENCE (PSS)

Courses

PSS 5990. Special Topics. 1-18 Credits.
Lectures, laboratories, readings, field projects, surveys, or research designed to provide specialized experience in horticulture, agronomy, soils, entomology, and integrated pest management. Prerequisite: Instructor permission.

PSS 6010. Professional Skills Colloquium. 1 Credit.
Presentation and peer review of oral and written communication. Professional development skills including technical writing, literature review, mentorship, scientific integrity, grant proposals, and job market.

PSS 6110. Introduction to Agroecology. 3 Credits.
In-depth overview of research and applications in the field of agroecology, with a focus on providing the student with conceptual and analytical content.

PSS 6120. Ecological Foundations of Agro. 3 Credits.
Examines the ecological foundations of agroecology, largely from a biophysical perspective. Over the course of three sequential modules, students will explore the fundamental principles of ecology and their application to agricultural systems and landscapes. Prerequisite: One semester biological science at the 2000-level or Instructor permission.

PSS 6130. PAR & Transdiscipl Agroecology. 3 Credits.
Introduces students to Participatory Action Research (PAR) in the context of agroecology, and examines how the integration of PAR and transdisciplinary approaches can serve to deepen our collective understanding of complex problems/issues. Prerequisite: PSS 6110.

PSS 6140. Agroecol, Food Sov. & Soc Mov.. 3 Credits.
Investigates social, political, and economic elements of the global food system from multiple perspectives, considering the ability to scale-up agroecology, and the potential intersection between agroecology, food sovereignty and government policies.

PSS 6150. Agroecology Grad Capstone. 3 Credits.
The capstone designed for the application of newly developed knowledge and skills in a culminating experience/project that addresses an agroecological topic relevant to the individual student. Prerequisites: PSS 6110, PSS 6120, PSS 6130, PSS 6140.

PSS 6391. Master's Thesis Research. 1-18 Credits.
Research for the Master's Thesis.

PSS 6940. Seminar Series. 1 Credit.
Presentations of personal research by faculty, Graduate students, and outside guest speakers. Attendance and oral presentations are required of Graduate students in Plant & Soil Science. Repeatable two times for Master's students and four times for Doctoral students.

PSS 6990. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.