ENVS250C : Agroecology

Introduces the discipline of agroecology from an ecological perspective. An emphasis will be placed on relevant ecological theory within the context of production agriculture. Students will examine and measure the interactions between plants, animals, soil, and climate as well as the impact that human engagement has on these components. Students will research and present the history and consequences of modern industrial agricultural systems and the need for more sustainable management practices that consider ecological interactions.
Credits 4
Lab/Practicum/Clinical Hours 2
Lecture Hours 3
Prerequisites
Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.
BIOL111C
Learning Outcomes
Upon completion of this course, students will:

1. Describe biological and sociological systems used in the development of sustainable food production strategies.
2. Explain agriculture concepts and their basis in natural ecosystem functioning.
3. Analyze current popular models of agroecology.
4. Discuss the challenges and opportunities encountered when developing and managing sustainable urban and small farm agricultural systems.