

AGR 126: Principles of Sustainable Agriculture Lab

How can we balance the multiple, often competing, objectives of sustainable agricultural intensification to promote both agricultural productivity and human well-being? The answer to this requires a transdisciplinary, agroecological perspective. Agroecology is the integrative study of the ecology of the entire food system, encompassing ecological, economic, and social dimensions. This course is designed to introduce various topics in agroecology. Students will take an ecosystems approach to the study of agriculture that will enable them to analyze the environmental, social, and economic interconnections within various types of agricultural models locally and globally. The goal of this course is to give students a basic understanding of the interactions between agriculture and the surrounding environmental matrix leading to sustainable food systems. Students will integrate concepts across agronomy, ecology, biogeochemistry, soil science, and hydrology.

Credits: 1

Lab Hours: 1

Lecture Hours: 0

Co-Requisites:

AGR 125

Subject: Agriculture