

SAGE 152 : Permaculture Design

Credits 5

Quarter Offered Spring

This course investigates community and home- scale food production with a focus on farm design, intensive mini-farming, permaculture, and urban homesteading. Through research and practical applications, students will learn how to create small-scale food systems that mimic natural ecosystems. Students will explore the resiliency and diversity of garden farming via edible forests, ecosystem design, animal husbandry, mini orchards, season extensions, food self-reliance, and intensive planting strategies. This class may include students from multiple sections. (Formerly GRBD 152)

Course Outcomes

Define intensive farming and permaculture techniques suitable to home scale food production systems.

Set measurable goals for your own home food production systems, including an assessment of caloric needs, potential crop yields and budget considerations and designing a garden system that closely meets these needs.

Describe season extension and food preservation techniques for optimal food production and storage.

Expand upon the notion of self-reliance by assessing regenerative environmental, economic and social systems.