

2009-11 Cal Poly Catalog

Horticulture and Crop Science Department

VGSC–VEGETABLE SCIENCE

VGSC 190 California Vegetable Production (4)

History, botany, growth characteristics and climatic adaptation, pests, and harvesting methods for the most important vegetable crops grown in California. Use of transplants, plastic mulches and row covers in vegetable production. Current topics in agriculture important to the vegetable industry. Field trip to a major California vegetable production area required. Survey of vegetable production for Crop Science majors. 3 lectures, 1 laboratory. Prerequisite: HCS 120.

VGSC 202 Enterprise Project (2) (CR/NC)

Beginning field experience in production and marketing of a vegetable crop, under faculty supervision. Project participation is subject to approval by the department head and the Cal Poly Corporation. Degree credit limited to 4 units. Credit/No Credit grading only. 1 lecture and 1 unit of independent study. Prerequisite: HCS 110, or consent of instructor.

VGSC 230 Introduction to Vegetable Science (4)

Environmental and cultural principles involved in the production of California vegetable crops; temperature, daylength and fertility effects on production and yield, use of plastic mulches and row covers, and use of transplants. Harvest principles and precooling methods. Survey of vegetable production for other than Crop Science majors. 3 lectures, 1 laboratory.

VGSC 260 Vegetable Gardening, Nutrition and History (4)

Seedbed preparation, mulching, composting, fertilizers, transplanting, seeding, irrigation and pest control in an urban setting. Nutritional value of specific vegetables and their relationship to current dietary recommendations. Historical and cultural uses of vegetables. Instructional plots may be grown organically. 3 lectures, 1 laboratory.

VGSC 402 Enterprise Project Management (2) (CR/NC)

Advanced experience in the production of vegetable crops. Development of a plan for field operations, a marketing plan, and a budget. Management decision-making. Project participation is subject to approval by the department head and the Cal Poly Corporation. Degree credit limited to 4 units. Credit/No Credit grading only. 1 lecture and 1 unit of independent study. Prerequisite: VGSC 202, and consent of instructor.

VGSC 423 Advanced Vegetable Science (4)

Agricultural land conservation; current laws impacting vegetable production and marketing. Environmental and cultural effects on selected vegetables including specific effects on growth, flowering, fruiting and yield. Field trip to desert vegetable production regions required. 3 lectures, 1 laboratory. Prerequisite: VGSC 190 or VGSC 230, or consent of instructor.

VGSC 424 Vegetable Crop Management (4)

Vegetable production systems from an organizational viewpoint. Management, organization and general commercial operations, including planning, budgeting, and managing personnel. Field trip to a major California vegetable production area required. 3 lectures, 1 laboratory. Prerequisite: VGSC 190 or consent of instructor.