

## CUMBERLAND COUNTY COLLEGE

Course: AG 206:Vegetable Production

Credits: 3

Prerequisites: RD 100, EN 060

### Description:

This course acquaints the student with the cultural requirements of the important vegetable crops produced in Southern New Jersey. Discussions include nutritional requirements, disease and insect problems, harvesting procedures, and methods of weed control.

### Learning Outcomes

At the completion of this course, students should be able to:

- Name the family and origin of each vegetable crop covered in this course
- Cite the major vegetable production areas in the U.S.
- Name and identify specific insect pests and their control
- Name and identify specific diseases and their control
- Describe special growth responses to day-length and/or temperature and the nature of these requirements
- Cite special nutritional requirements, such as the need for or sensitivity to minor elements
- Name causes and cite controls for any special physiological disorders.
- Identify and describe propagation methods used in vegetable production
- Describe special spacing and other cultural requirements
- Describe post-harvest handling and storage requirements

### Topical Outline

- History of Vegetable Crops
- Understanding the Vegetable Industry
- Classifying Vegetable Crops
- How Environmental Factors Affect Vegetable Production
- Plant Selection Considerations
- Preparing the Field
- Planting the Field
- The Need for Water and Irrigation
- Extending the Growing Season

- Dealing with Growing Problems
- Harvesting
- Handling the Crops after Harvest
- Marketing the Crop and Delivering It to the Buyer
- Uses of Vegetables
- Nutritional Value of Vegetables
- Cole Crops
- Greens
- Leafy Salad Crops
- Perennial Crops
- Root Crops
- Bulb Crops
- Legumes or Pulse Crops
- Sweet Corn
- Solanum Crops
- Cucurbits

Text: Decoteau, Dennis R. (2000). *Vegetable Crops*. The Pennsylvania State University: Pearson.

Student Assessment: Assessment may be accomplished through projects, portfolios, exams, presentations and/or papers.

Academic Integrity: Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation. Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense. As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Note: If you are having difficulty with work in this class tutoring is available through the Center for Academic & Student Success. If you think that you might have a learning disability, contact Project Assist at 856.691.8600 x 1282 for information on assistance that can be provided to eligible students.

#### Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.