

# Dakota County Technical College

## LAHT 2040: Sustainable Food Crop Production

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 1

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to introduce students to sustainable practices in food crop production including the identification of both annual and perennial species suitable for growing in the upper mid-west, propagation techniques, cultural requirements, harvesting and storage techniques and procedures and regulations involved in bringing food crops to market. Through both lecture and hands-on experiences in the campus greenhouse and farm, students will plan their own garden layout, create crop production calendars, and propagate the crops they plan to grow on the campus farm. Students participating in the on-campus internship will also have the opportunity to see their crop production plans through to harvest and sale.

**B. COURSE EFFECTIVE DATES:** 08/26/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. To become familiar with IPM strategies used in combating diseases and pests of food crops
2. To become familiar with methods of extending the planting season in northern growing regions
3. To become familiar with methods of propagation used in establishing food crops
4. To become familiar with the food crops most suitable for production in zone 4 gardens
5. To become familiar with the most common diseases and pests affecting food crops
6. To become familiar with the processes and regulations in bringing food crops to market
7. To create crop production calendars for annual and perennial crops
8. To design the layout of a sustainable food crop production garden
9. To understand harvesting and storage techniques for annual and perennial food crops
10. To understand the basic cultural requirements of food crops covered in this course

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted