

## **Warm Season Vegetable Production**

**H450B - 1 Credit**

**Ronda Koski, Instructor**

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This class meets for 5 weeks, September 30<sup>th</sup> through October 30<sup>th</sup>, Tuesdays and Thursdays, 11:00 a.m. – 12:20 p.m., in 212 Shepardson

### **Two textbooks are required:**

Decoteau, Dennis. 2000. **Vegetable Crops**. Prentice Hall  
(\$95.00 in CSU Bookstore)

Cranshaw, Whitney. 1998. **Pests of the West**. Fulcrum Publishing  
(\$18.95 in CSU Cooperative Extension Resource Center,  
General Services Building)

### **Class objectives:**

To learn about the types of warm season vegetable crops grown in the U.S.A.,

To learn about the common cultural practices used for producing warm season vegetable crops,

To learn about the production methods of warm season crops grown here in Colorado.

### **Expectations:**

Each student is required to read the assigned readings.

Quizzes will cover assigned readings as well as information provided in handouts and supplements.

Each student is required to participate in the field trip scheduled for Thursday, October 16<sup>th</sup>

### **Supplies:**

Each student will need to purchase a three ring binder ( $\geq 2''$ ) and at least a dozen dividers in which to organize handouts and other supplemental literature.

Those students previously enrolled in the cool season vegetable crops class please make a new notebook for the warm season vegetable crops (DO NOT continue to add to the cool season vegetable crops note book).

### **Grading:**

100 points for 4 25-point quizzes (given the first half hour of class on Tuesdays)

50 points for attending field trip to STA Laboratories on Thursday, October 16<sup>th</sup>

100 points for notebook (due by 12:20 p.m. Thursday, October 30<sup>th</sup>)

250 points total

## **Tentative Schedule**

### **Tuesday, September 30**

Convolvulaceae AND Poaceae (Gramineae) warm season vegetable crops  
(sweet potato and sweet corn)

In Decoteau, read chapter 20, pages 312-319 AND chapter 23, pages 368-379

In Decoteau, review chapter 10 AND in Cranshaw, review chapters 2, 3, 4, 6, and 7, and read chapter 8 for Thursday's class.

### **Thursday, October 2**

Dr. Sandra McDonald, CSU Pesticide Coordinator will talk about IPM tools for vegetable crop production.

In Decoteau, review chapter 10, pages 115-123 AND in Cranshaw, review chapters 2, 3, 4, and 6 for Thursday's class.

### **Tuesday, October 7**

Quiz #1 (will cover Convolvulaceae and Poaceae, as well as IPM for vegetable crop production)

**Dr. Whitney Cranshaw**, CSU Entomologist and author will speak on the insect and mite pests associated with warm season vegetables in Colorado, and various methods employed to control these pests.

In Decoteau, read chapter 25, pages 416-442 for Thursday's class

### **Thursday, October 9**

Cucurbitaceae (cucumbers and melons)

In Decoteau, read chapter 25, pages 442-456 for Tuesday's class

### **Tuesday, October 14**

Quiz #2 (will cover insect and mite pests associated with warm season vegetables and Cucurbitaceae (cucumbers and melons)

Cucurbitaceae, continued

(pumpkins and squash)

In Decoteau, review chapters 10, pages 123-131, AND in Cranshaw, review chapter 7 for Thursday's class.

### **Thursday, October 16**

**Field Trip** to STA Laboratories in Longmont, CO

Vans will depart from east side of Shepardson Building at 12:15 p.m.; we will return to CSU by 3:15 p.m. Handout on vegetable seed production from The Ohio State University.

In Decoteau, review chapters 10, pages 123-131 AND in Cranshaw, review chapter 7 for Tuesday's class

## **Tuesday, October 21**

Quiz #3 (will cover Cucurbitaceae (pumpkins and squash), as well as vegetable seed production)

Ms. Tamla Blunt, CSU Plant Diagnostic Clinic will talk about diseases of warm season vegetable crops in Colorado

In Decoteau, read chapter 24, pages 380-403

## **Thursday, October 23**

Solanaceae

(includes egg plant, pepper, tomatillo, and tomato)

In Decoteau, read chapter 22, pages 343-357, and 361-365 for Tuesday's class.

## **Tuesday, October 28**

Quiz #4 (will include diseases of warm season vegetable crops as well as Solanaceae)

Fabaceae (Leguminosae) warm season vegetable crops

(common bean, Lima bean, southern pea, soybean, and other "beans")

In Decoteau, read chapters 9, 11, 12, and 13 for Thursday's class

## **Thursday, October 30**

Extending the growing season AND Harvesting, handling, and marketing of vegetable crops.

Turn in notebooks

Course evaluation forms