

# PLANT SCIENCE (PLSC)

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## **PLSC 105. Applied Agronomy**

Credits: 2

Typically Offered: SPRING

Provides basic concepts of crop and pest management and identification as well as fertilizer and pesticide uses and proper application methods.

## **PLSC 110. World Food Crops**

Credits: 2

Prerequisite: Concurrent registration in, or previous successful completion of, PLSC 110L.

Typically Offered: FALL

Scientific principles of crop growth, worldwide production, management alternatives, and processing for domestic and international consumption.

## **PLSC 110L. World Food Crops Lab**

Credits: 1

Corequisite: Concurrent registration in, or previous successful completion of, PLSC 110.

Typically Offered: FALL

PLSC 110L is designed to complement topics covered in PLSC 110.

## **PLSC 223. Introduction to Weed Science**

Credits: 2

Prerequisite: Concurrent registration in, or previous successful completion of, PLSC 223L.

Typically Offered: SPRING

Introduction of a basic knowledge of weeds, herbicide groups, the use of pesticides, economic and environmental considerations, personal safety, modes of action and terminology.

## **PLSC 223L. Introduction to Weed Science Lab**

Credits: 1

Corequisite: Concurrent registration in, or previous successful completion of, PLSC 223.

Typically Offered: SPRING

PLSC 223L is designed to complement topics covered in PLSC 223.

## **PLSC 225. Principles of Crop Production**

Credits: 3

Typically Offered: FALL

Principles of field crop production with emphasis on relationships of crops to their climate and production considerations as a means of managing resources and the environment.

## **PLSC 235. Field Scouting Techniques**

Credits: 2

Typically Offered: SPRING

The purpose of this course is to provide students the skills necessary for proper pest identification and crop scouting techniques. Information such as crop growth and development, pest life cycles, damage symptoms and economic thresholds will be covered. Communications skills and presentation techniques will also be emphasized.

## **PLSC 235L. Field Scouting Techniques Lab**

Credits: 1

Prerequisite: PLSC 235.

Repeat Status: Repeatable up to 4.00 credits.

Typically Offered: SUMMER

Field scouting activities will be done in the field at various locations throughout the summer to give the student practical field experience.

## **PLSC 243. Advanced Weed Science**

Credits: 2

Prerequisites: PLSC 223 and PLSC 223L.

Typically Offered: SPRING

Interpretation and understanding of Herbicide Mode of Action, Herbicide Resistance, Herbicide Efficacy, Herbicide Toxicology, Herbicide Selectivity, and Characteristics of Weeds.

## **PLSC 245. Advanced Crop Production**

Credits: 2

Prerequisite: PLSC 225 or departmental approval.

Typically Offered: SPRING

This is an advanced examination of crop production principles: nutrient management, soil and water management, integrated pest management, and crop management.