

# AGRICULTURE PLANT SCIENCE (AGPS)

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## **AGPS 1024 Principles of Plant Science**

A study of important plant practices associated with horticulture and agronomic crop production, including classification of plants, the role of soil and the environment, plant management, cropping systems, and integrated pest management and harvest methods. Principles and practices in propagation of plants and sexual and asexual reproduction methods. Lecture three hours, laboratory two hours. \$50 laboratory fee.

## **AGPS 1033 Introduction to Forestry**

General survey of the five fields of forestry; a preview of forestry subjects; forestry resources; some emphasis on silviculture, measurement, protection, utilization, preservation and forest administration.

## **AGPS 3023 Forage Crops and Pasture Management**

Prerequisite: Junior standing or consent of instructor.  
Selection, culture, production, distribution and uses of pasture and forage plants; management problems in hay and silage; emphasis on utilization and improvement of pasture. \$50 Laboratory Fee.

## **AGPS 3044 Plant Propagation**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
A study of the principles and practices in the propagation of herbaceous and woody indoor plants and flowers. Lecture three hours, laboratory two hours. \$50 laboratory fee.

## **AGPS 3053 Weed Ecology**

Prerequisite: AGPS 1024 or consent of instructor.  
The principles of weed ecology including weed demography and population dynamics, competition, interference, soil seed bank concept and systematic approaches to weed management.

## **AGPS 3064 Vegetable Growing**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
The application of scientific facts and principles that are involved in the successful production of vegetables under cover and/or in the open. Lecture three hours, laboratory two hours. \$50 laboratory fee.

## **AGPS 3074 Floriculture**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
Commercial production and marketing of major cut flower crops, bedding plants, and flowering pot plants under cover and/or in the open. Lecture three hours, laboratory two hours. \$50 laboratory fee.

## **AGPS 3083 Small Fruit and Nut Culture**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
A study of the factors underlying the commercial and home production of small fruits and nuts, including a study of varieties, propagation, pruning, spraying, harvesting, and marketing.

## **AGPS 3093 Greenhouse Operation and Management**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
Greenhouse construction and management of heating, cooling, moisture, fertilization, lighting, insect and disease control in the growth of major greenhouse crops.

## **AGPS 3244 Plant Pathology**

Prerequisite: BIOL 1014 or higher level biology with laboratory.  
Introductory course in plant diseases. A study of the causes, symptoms, spread and control of plant diseases. The emphasis is placed on the interaction between disease causing agents and the diseased plant and the way in which environmental conditions influence the mechanisms by which factors produce plant disease. Lecture three hours, laboratory two hours. \$50 laboratory fee.

## **AGPS 4103 Crop and Garden Insects**

Prerequisite: AGPS 1024, junior standing or consent of instructor.  
Anatomy, physiology, ecology, life history, and control of insects affecting crops and garden plants.