Horticulture

HORT 202
Cultivated Plants W/Lab • 5.0 Credits
The goal of the course is to introduce students to the morphology, anatomy, growth, and development of agronomic and horticultural crops. $35 science fee.

HORT 203
Crop Growth & Development W/ Lab • 5.0 Credits
Basic scientific principles of crop growth and development, including external abiotic (light, temperature, water, and nutrients) influences and their interaction with internal influences (genes, proteins, and hormones) from the cellular to the whole plant level. Consideration of how the application of such scientific knowledge has and can lead to crop improvement for efficient and sustainable crop production is emphasized. $35 science fee.

HORT 235
Greenhouse Production and Management W/ Lab • 3.0 Credits
This course covers the operation and management of greenhouses and other controlled environments used in crop/horticultural production with emphasis on system design and construction, lighting methods and intensity, heating and cooling systems, growing media, plant nutrition, water quality and irrigation systems. This course also offers basic understanding of greenhouse production of plants, cultural control and practices specific to greenhouse production. $35 science fee.

HORT 242
Hydroponic Technology w/ Lab • 4.0 Credits
This hands-on intensive course will introduce students to soilless hydroponic crop production. The course will provide information on key components of hydroponic crop production including plant growth and nutrition, growing systems, and cultural practices. Students will apply concepts to the growth of hydroponic crops in a commercial greenhouse setting. $35 science fee.

HORT 251
Plant Propagation W/ Lab • 5.0 Credits
An introduction to the methods of plant propagation including methods of propagating by true seed, bulbs, divisions, layering, cuttings, budding, grafting, and micro-propagation. Emphasis is placed on the basic principles necessary to furnish an adequate understanding for commercial and industrial application. $35 science fee.