## Introduction To Ornamental Horticulture-Year One

This course will cover all areas of Ornamental Horticulture such as the economic importance of the horticulture industry in the United States, introduction to plant science, landscape/irrigation design, construction and maintenance, designing and building your own pond and waterfall, growing plants in a nursery and greenhouse environment, and job opportunities in horticulture. This course will include outdoor labs working in our vegetable gardens, citrus orchards and landscape grounds. This is a great introductory course for those who enjoy gardening, growing plants, and landscaping.

## Fundamentals of Landscaping-Year Two

This course will cover all the principles of landscaping such as landscape design "CAD", irrigation design, landscape and irrigation construction, landscape maintenance, operating landscape equipment, waterfall, pond, and water garden construction , plant identification, and turf management. This course will include outdoor labs working in an actual landscape setting. This course is designed for students who have an interest in pursuing a career in landscape design, construction, and maintenance.

## Greenhouse/Floriculture and Nursery Operations, 1st Semester.-Year Three

This course will cover all areas of greenhouse and nursery operations such as building a greenhouse and shade house, growing plants in both a greenhouse and outdoor nursery, propagating plants from seed, cuttings, grafting and plant identification. Environmental growing conditions such as soil, water, light and climate which are needed for good plant growth will be studied in this course.

**PROFESSIONAL TURF MANAGEMENT, 2nd Semester**

Turfgrass management will include: Golf Course Turf Management, Irrigation Water Quality, Lawn Establishment, Turfgrass Growth & Development & Identification, Turf Soil Management, Pest Management, and Turf Management for Athletic Fields.

## Horticulture Career Development "Capstone"-Year Four

This course will prepare senior students for careers and job opportunities in horticulture. Students will work on student-initiated year long projects such as landscaping your parents yard, building a waterfall and pond, an internship working in a nursery or for a landscape company. Your horticulture instructor will be your advisor and assist in this school year long project.