

- Required for Landscape Contracting majors
- Restricted elective for Environmental Horticulture majors (Sustainable Green Industry track)
- Ideal for students in Urban Forestry or Landscape Architecture

**HORT 3644—Fall Semester**  
**MW 10:10-11:00 am**  
**T Lab from 2-4:45 pm**

## Landscape Establishment & Maintenance

### Course Description

Landscape horticulturists should have the tools to evaluate sites for factors affecting landscape establishment and future operations and maintenance. They also need the knowledge and skills to properly execute a landscape plan, assess potential planting sites for suitability, properly select, specify, handle, and install all types of plant material and provide the maintenance necessary to insure a successful landscape. This course is designed to integrate the theories and principals of sustainable landscapes with practical applications to actual landscape situations. HORT 3644 is a designated service-learning class. The service learning component of this class involves a partnership with Gilbert Linkous Elementary School in Blacksburg, Virginia to work towards a sustainable school landscape. This project fulfills community engagement requirements for horticulture students that are then documented in the Senior Seminar.



#### Selected course topics

- Site assessment
- Soil improvement
- Transplanting and aftercare
- Estimating
- Irrigation
- Pruning trees and shrubs
- Weed Control
- SITES™ accreditation

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