

# LAND218C : Landscape Design Studio

Focuses on understanding and analyzing the requirements of the program and the site to develop designs that respond both to client needs and environmental context through lectures, site visits, and design projects. Moving through projects that range in size, scale, and complexity, this course examines different issues in context, program, and client requirements. Students will learn to inventory and record existing site conditions. Emphasis in this design studio will be on preparing landscape plans, sections, planting plans, specifications, and details.

**Credits** 3

**Lab/Practicum/Clinical Hours** 0

**Lecture Hours** 3

**Prerequisites**

*Students are required to pass prerequisite courses with a grade of C or higher. Exceptions apply; please consult your department chair.*

LAND101C

LAND102C

LAND115C

LAND220C

**Learning Outcomes**

- Associate and classify biotic and abiotic components of N.H. natural resources and their functions in urban and rural ecosystems.
- Describe and evaluate the effects of human impact on N.H. ecosystems.
- Describe statewide ecological issues including land fragmentation, loss of habitat and biodiversity, invasive species, landscape practices, and urban forestry.
- Identify and evaluate techniques to mitigate human impact on functioning ecosystems.
- Appraise and document the physical, social, economic, and health benefits that healthy ecosystems provide to communities.
- Distinguish and apply tools and techniques for ecosystem restoration and resource conservation.
- Summarize the process of natural resources planning at the community level from awareness to stewardship.
- Describe the values that land conservation techniques, open-space, and greenway corridors provide to the healthy communities and ecosystems.
- Assess and apply ecologically-sound landscape practices such as inventory, site analysis, soil testing, and proper pruning, planting, and extended care of trees and shrubs and other plant material.
- Summarize steps for smart growth and community planning and principles for permaculture and sustainable living.