

CAD Department Course Outline

DRFT 2423 – Garden & Plant Design (On Demand)

Catalog Description:

This course will prompt the landscape designer to consider the proposed level of service and maintenance requirements, the sub-grade and climate conditions, cost parameters, and limitations of plant materials used in a variety of landscape design situations. The instructional direction of the course will aim toward providing framework for thinking about appropriate site detail as related to particular climate conditions. Attempts will be made to include field trips that will familiarize the student with quality plant and garden design methods in our regional area. Outside lab time will be required.

Prerequisites:

DRFT 2114

Credit hours/Contact Hours/Load hours:

3/3/3

Target Audience/Transferability:

This is a required course for the AAS CAD degree with the Civil/Landscape option and is non-transferable

Student Learning Outcomes:

Students will:

- List regional landscape plants by their botanical and common names
- Identify and classify landscape plants using physical features of leaf, bark, flower, fruit, and growth habit
- Describe the importance of soil requirements and ecology on landscape plants
- Explain the growth habits and location requirements of local landscape plants
- Use plant keys to identify plants
- Select the appropriate plants that conform to the landscape use criteria
- Propose design solutions that integrate compositional, sensory, and ecological traits of plant communities in the landscape
- Work individually and as a team member on a landscape project

Topics:

- Fungi, algae, and micro-organisms
- Ground covers and herbaceous plants
- Woody shrubs and grasses
- Understory and canopy trees
- Soil, water, climate, and nutrient requirements for regional landscape plants
- How to control diseases, weeds, and pests in landscaping
- Natural habitat and native gardens
- Decorative structures using trees, shrubs, hedges, and vines

Forms of Assessment:

- Drawing assignments
- Tests/quizzes
- Final Project submitted electronically and on paper

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