

CAD Department Course Outline

DRFT 2163 – Landscape Design (On Demand)

Catalog Description:

This course is the study of landscape design, including principles of design, the design process, drafting, graphic standards, and the creation of construction documents. Topics include designs for planting areas, paved areas, paths, lawns, water features, maintenance, and energy conservation. Project emphasis is placed on the design principles and standards for residential and small commercial sites. Outside lab time will be required.

Prerequisites:

DRFT 1234, 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:

- Prepare a functional landscape plan applying the principles and elements of design
- Apply the design process to solve individual landscape situations and meet client needs
- Identify the basic elements of landscape site analysis and evaluation
- Identify and describe architectural and environmental influences on landscape design
- Accurately measure the physical characteristics of a landscape for the design
- Demonstrate the proper use of drafting tools and graphic materials
- Summarize the qualifications of landscape Architects and others who design or plan landscape installations

Topics:

- Introduction to landscape design
- The design principles of unity, balance, repetition, contrast, scale, etc.
- Design elements of form, density, size, color, texture, etc.
- Assessing the wants and needs of the client in the design process
- Gathering and documenting the existing site plan data
- Conceptual plans combining the wants and needs with the site plan
- Horizontal features such as retaining walls, paving, steps and ramps
- Water features including fountains, pools, and ponds
- Low maintenance, eco-friendly landscape design
- Irrigation, lighting, and decorative structures

Forms of Assessment

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

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