DESGN 300

Title: Introduction to Design Resources

Units: 3.00

Prerequisite: None.

Advisory: ENGWR 102 or 103, and ENGRD 116 with a grade of "C" or better; OR ESLR 320 and ESLW 320 with a grade of "C" or better.

Hours: 54 hours lecture

Description: This course is a survey of the resources that are used in the architectural and engineering professions. It introduces construction materials and their properties and characteristics that affect construction processes. Environmental and sustainable materials, sustainable building certification, and rating systems are also covered.

Learning Outcomes and Objectives

Upon completion of this course, the student will be able to:

- describe basic materials of construction
- prepare a material specification utilizing MasterFormat project breakdown structure
- assemble a project estimate for human and material resources
- research industry materials
- assess the human resources necessary for design and construction