Course Description

Studies the impact of building codes and zoning ordinances on site design; storm drainage, grading design, erosion and flood control; site materials for paving and retaining walls; site utilities. Lecture 2 hours. Laboratory 2 hours. Total 4 hours per week.

General Course Purpose

To make the student familiar with the variety of forces acting upon site design, materials and methods utilized in site construction.

Course Prerequisites/Corequisites

Prerequisite: ARC 121

Course Objectives

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

- Apply building codes and zoning ordinances to site design
- Design an architectural site
- Estimate cut and fill quantities
- Read site plans
- Identify materials used in site construction
- Demonstrate familiarity with site construction processes

Major Topics To Be Included

- Architectural criteria affecting site design
- Building codes and site design
- Zoning ordinances and site design
- Utilities and easements
- Site drainage and grading
- Paving and curb and gutter
- Retaining walls and other site structures
- Reading site drawings