

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY ARC 225 - SITE PLANNING AND TECHNOLOGY (3 CR.)

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

None.

Course Objectives

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

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

Major Topics to Be Included

- a) Architectural criteria affecting site design
- b) Building codes and site design
- c) Zoning ordinances and site design
- d) Utilities and easements
- e) Site drainage and grading
- f) Paving and curb and gutter
- g) Retaining walls and other site structures
- h) Reading site drawings