

ARCH 452 ARCHITECTURAL DESIGN 4.2

5 Units, Required Laboratory Course, Winter Quarter

DESCRIPTION:

Continuation of ARCH 451. Problems of increasing Architectural complexity involving the comprehensive integration of Architectural theory, design, processes, and building systems with emphasis placed on multibuilding, multifunctional projects.
5 laboratories.

Prerequisites: ARCE 316, Arch 353.

OBJECTIVES:

The student will develop, improve and demonstrate his/her design skills in undertaking and resolving complex site and building design problems.

The student completing this course will be aware of:

- The principles of site planning and site design.
- The impact of building codes and zoning ordinances.
- The importance of developing a design process.
- The relationship between form, program and site constraints.

The student completing this course will understand:

- The relationship between the social, physical and economic context for Architecture.
- That Architecture is not a mere summation of parts, but a thoughtful and purposeful organization composed of inseparably integrated functional, esthetic, and technological components.
- The relationship between Architectural theory and site and building form generation.
- The relationship between site layout, program function and building configuration.

The student completing this course will be able to:

- Identify and define the Architectural problems of form, function and economy presented by a design problem situation.
- Synthesize complex programmatic issues and translate them into a clear and appropriate Architectural solutions.
- Integrate all of the relevant issues appropriate to a particular Architectural project.
- Communicate (both graphically and orally) design intentions at a level appropriate to an intended audience

CONTENTS:

ARCH 452 specifically orients its quarterly projects towards the comprehensive design of individual buildings in either a rural suburban or metropolitan context. Particular emphasis is placed on site planning and building design. The projects selected for this course are of sufficient complexity and realism to make students aware of and to prepare them to deal with the opportunities and constraints of real programs, sites, users, and clients as they are dealt with in Architectural practice.

REQUIREMENTS & INSTRUCTIONS:

METHODS OF INSTRUCTION: Building design problems assigned by the instructor with supporting lectures, seminars, field trips, slide presentations as determined by the instructor. Desk critiques/class critiques where appropriate.

METHODS OF EVALUATION: Specific letter grades for the evaluation of product/performance during the year are assigned by the instructor per student's degree of attainment of the instructor's course objectives.

Text and References: As required or suggested by the course instructor.