

ARCH 451 ARCHITECTURAL DESIGN 4.1

5 Units, Required Laboratory Course, Fall Quarter

DESCRIPTION:

Continuation of ARCH 351 352, 353. Problems of increasing Architectural complexity involving the comprehensive integration of Architectural theory, design processes, and building systems with emphasis placed on multifunction singular buildings.
5 laboratories.

Prerequisites: ARCE 316, Arch 353, or consent of department head.

OBJECTIVES:

The student will develop, improve and demonstrate his/her design skills in undertaking and resolving complex building design problems with personal as well as professional initiative and responsibility.

The student completing this course will be aware of:

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 form generation.

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 solution.

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 451 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 multi-function buildings and the furthering of the students' ability and experience in the analysis, design and comprehensive integration of activity, circulation, esthetic, structural, and environmental control systems. 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, 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.