

ARCH 453 ARCHITECTURAL DESIGN 4.3

5 Units, Required Laboratory Course, Spring Quarter

DESCRIPTION:

Continuation of ARCH 452. Problems of increasing Architectural complexity involving the comprehensive integration of Architectural theory, design, processes, and building systems with emphasis placed on multi-functional projects in an urban context.
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 with personal as well as professional initiative and responsibility.

The student completing this course will be aware of:

The relationship between client's and community's needs and values.

The impact of building codes and zoning ordinances.

The importance of developing a design process.

The relationship between form, program and the physical and social constraints of an urban environment.

The student completing this course will understand:

The relationship between the social, physical and economic context for Architecture.

That Architecture and urban design is not a mere summation of parts, but a thoughtful and purposeful organization composed of inseparably integrated functional, esthetic, social and technological components.

The relationship between Architectural and urban design theory, site, context 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 and urban design 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 453 specifically orients its quarterly projects towards the comprehensive design of one or more buildings in an urban context. Particular emphasis is placed on the integration of building design within the framework of urban design guidelines. 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.