

# ARCH 438/538 Housing Prototypes

Fall 2017

Department of Architecture – Portland

University of Oregon

Instructor: Professor Michael Fifield, FAIA, AICP

Credits: 3

Time: Thursday 1:00-3:50 PM / White Stag Rm 150

Prerequisites: Junior Standing.



## CATALOG DESCRIPTION:

Examines modern housing prototypes from the 1920s to the present with an emphasis on understanding the many and varied factors involved in the production of high-quality housing.

## COURSE DESCRIPTION:

Special emphasis will focus on the review of appropriate housing models for the future, given demands for increased density and responding to diminishing natural resources. Case studies primarily from the U.S., but also from Europe, the Middle East, and Asia, will be examined. Issues addressed will include: differences in housing form as a result of density issues (e.g., from s.f.d. to high-rise point towers); site, building, unit design principles; relationship of inside to outside; affordability; housing policy and housing financing; construction technology; zoning and building codes; new and emerging lifestyles (changing demographics); New Urbanism; homelessness; manufactured housing; special user groups (e.g. elderly); social and behavioral factors as form determinants; origins of suburbia and multi-family housing; providing a sense of community, identity, and memorable image in neighborhood design.

## COURSE OBJECTIVES:

Students are expected to develop an:

- Understanding of the many and complex factors involved in the design of various housing types.
- Understanding of the theoretical, traditional, symbolic, practical, and technical considerations of various housing types and their application.
- Ability to analyze and design appropriate housing projects based on the emphasis and issues addressed in this course.

## COURSE REQUIREMENTS:

Class attendance and participation. Although there are recommended reading assignments, the main thrust of the course will be based on projects.

Project #1: Local Case Studies: team project(s) for 20% of course grade.

Project #2: Prototypical Design for new housing: team project for 40% of course grade.

Project #3: Individual Project for 40% of course grade

ARCH 438: Take-Home Final Exam (or Research Paper or Notebook option)

ARCH 538: Research Paper or Notebook (e.g., programming notebook for a terminal studio project)

Note: Only students enrolled in 438 are eligible to choose the Take Home Final option.

## COURSE FORMAT:

Issues will be presented primarily in a lecture format during the 1st hour. The 2nd hour will be student presentations. The 3rd hour will be student discussion and/or further seminar discussion. Guest lecturers and local field trips may also be utilized.