

Spring 2010

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ARCH406: ARCHITECTURE DESIGN V

1. Course Description

Interdisciplinary Design III. (3-9). Credit 6. Innovative approaches to design emphasizing theory and practice of architecture as art and science; schematic design taken to a level of detail appropriate to design development; topics include the visualization of built environments; the selection and application of building and environmental systems, services, materials and connections; interior space configuration. Prerequisites: Upper-level classification in environmental design, construction science or landscape architecture; ARCH 405 or VIST 405.

2. Introduction

This course is a synthesis of your undergraduate studios. We will address both the theoretical and the practical aspects of architectural design. We will examine design processes and products on the levels of conceptual design, schematic design, design development, and construction documents.

Please remember that working within the world of architecture needs passion and hard work. You have to love and enjoy what you do!

3. Objectives

To use techniques in various media not merely as a representation tool but as an environment in which spatial concepts are formulated.

Specifically, the aims are to:

- 1) develop basic freehand, manual and digital drawing techniques;
- 2) develop consciousness of spatial indications in drawing and modeling medium;
- 3) develop basic graphic sense in presentation and portfolio design.

4. Project and Schedule¹

The course is in a studio format. Design projects will be explored in phases and followed by a review and discussion.

There are two options of the semester long project. Option 1: ACSA competition. Please choose any current ACSA competition. Option 2: A sustainable house design in Lake Travis, Austin. One works individually on the competition project until mid-term. Teams can be formed afterwards. No more than 3 people are allowed on one team.

Office Hours (By appointment): Tue 11:30 am - 2:00 pm

Phase 1: The Idea of Dwelling

Jan 20 Wed Meeting with the Client
Jan 22 Fri Design Charrette

Jan 25 Mon Site study
Jan 27 Wed Review of design concepts
Jan 29 Fri Library research on precedents

Feb 1 Mon Presentation of conceptual design I

Phase 2: The Idea of Sustainability II

Feb 3 Wed Guest speaker, library research
Feb 5 Fri Working session

Feb 8 Mon Review of conceptual design II

Phase 3: Schematic Design

Feb 10 Wed Working session
Feb 12 Fri Working session

Feb 15 Mon Presentation of schematic design

Phase 4: Design Development

Feb 17 Wed Working session
Feb 19 Fri Working session

Feb 22 Mon Presentation of design development
Feb 24 Wed Working session
Feb 26 Fri Working session

Mar 1 Mon Mid-term review
Meeting with the client: jury & team forming
Mar 3 Wed Working session

Phase 5: Structural, mechanical and electrical design

Mar 5 Fri Guest speaker: Dr. Boong Yeol Ryoo (conference)

Mar 8 Mon Working session
Mar 10 Wed Working session
Mar 12 Fri Review

Mar 15 - 19 Spring break

Phase 6: Details

Mar 22 Mon Guest speaker: Professor Michael O'Brien
Mar 24 Wed Fairy Residence visit
Mar 26 Fri Working session

Mar 29 Mon Review: detail ideas
Mar 31 Wed Working session

Phase 7: Construction Documents

Apr 2 Fri Architecture office visit

Apr 5 Mon Working session
Apr 7 Wed Working session
Apr 9 Fri Working session

Apr 12 Mon CD review
Apr 14 Wed Working session
Apr 16 Fri Working session

Phase 8: Design Production

Apr 19 Mon Working session

Apr 21	Wed	Working session
Apr 23	Fri	Working session
Apr 26	Mon	Pre-final review
Apr 28	Wed	Working session
Apr 30	Fri	Working session
May 3	Mon	Final Review

5. Requirements

You are expected to:

- 1) devote creative efforts to your design projects;
- 2) employ your skills diligently in promoting the course objectives;
- 3) actively participate in class discussions and pinups, as well as to engage your fellow students in constructive exchange;
- 4) fully communicate your work with jury at presentation.

6. Grading System

In fulfilling the above requirements:

A 90-100	Exceptional
B 80-89	Satisfactory
C 70-79	Fair
D 60-69	Unsatisfactory
F -60	Failure

The relative value of each phase of the project to the final grade is:

5%	For each phase (5% x 8)
25%	Mid-term Review
25%	Final Review
10%	Overall Performance

7. Class Rules

- 1) Class updates will be sent out through email.
- 2) Assignments and electronic submissions are due before project presentations start. There is a letter grade drop for each late project submission or late presentation.
- 3) Attendance at all classes is required.

8. Studio Culture Policy (See attachment)

9. Students with Special Needs

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring such accommodation, please contact the Office of Support Services for Students with Disabilities in Room 126 of the Student Services Building. The phone number is 845-1637.

10. Aggie Honor Code

"An Aggie does not lie, cheat, steal or tolerate those that do."
Upon accepting admission to Texas A&M University, a student automatically assumes a commitment to uphold the Honor Code, to accept responsibility for learning and to follow the philosophy and rules of the Honor System. Students will be required to state their commitment on examinations, research papers, and other academic work. Ignorance of the rules does not exclude any member of the Texas A&M University community from the requirements or the processes of the Honor System.

For additional information please visit: www.tamu.edu/aggiehonor/

¹ The instructor may adjust the schedule when needed. Course structure serves both Option 1 and Option 2. Course schedule details are based on Option 2.