

**NOTE:** This Syllabus is provided for informational purposes regarding the anticipated course content and schedule. It is based on the most recent information available as of the date of its issuance. It is as accurate and complete as is possible at this time. The instructors reserve the right to make any changes deemed necessary and/or appropriate. An effort will be made to communicate any syllabus changes in a timely manner. Students are responsible for being aware of these changes.

# ARC 4233 \_ Syllabus

Spring 2010

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**Instructor:** Lisa Reese  
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**Office Hours:** Before and after class, by appointment

## Course Description

Project-driven lecture/lab course exploring advanced issues associated with BIM modeling. Students will be required to research lab topics that build skills for modifying and creating parametric information.

## Educational Objectives and NAAB Performance Criteria Addressed

**Speaking and Writing Skills.** Ability to read, write, listen, and speak effectively.

**Critical Thinking Skills.** Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test them against relevant criteria and standards.

**Graphics Skills.** Ability to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements.

**Research Skills.** Ability to gather, assess, record, and apply relevant information in architectural coursework.

**Fundamental Design Skills.** Ability to use basic architectural principles in the design of buildings, interior spaces, and sites.

**Collaborative Skills.** Ability to recognize the varied talent found in interdisciplinary design project teams in professional practice and work in collaboration with other students as members of a design team.

**Structural Systems.** Understanding of principles of structural behavior in withstanding gravity and lateral forces and the evolution, range, and appropriate application of contemporary structural systems.

**Environmental Systems.** Understanding of the basic principles and appropriate application and performance of environmental systems, including acoustical, lighting, and climate modification systems, and energy use, integrated with the building envelope.

**Building Envelope Systems.** Understanding of the basic principles and appropriate application and performance of building envelope materials and assemblies.

**Client Role in Architecture.** Understanding of the responsibility of the architect to elicit, understand, and resolve the needs of the client, owner, and user.

## Required Texts & Materials

***One text will be required for the course. This will be announced on the first day of class***

4 GB USB Flash memory drive

## Optional Texts

*Subscription to Wired magazine*

## Methods of Instruction

- A. Lecture and demonstration.
- B. Supervised individual & group student work.
- C. Personal and group critiques.
- D. Assigned projects, readings and research

**Attendance Policy**

Attendance is expected and is a characteristic of a successful student. No more than three absences are allowed during the semester and three tardies equals an absence. Arriving or departing more than 15 minutes from the scheduled class times constitutes an absence. There are no excused absences or tardies. Your class participation grade depends on your class attendance.

**Due Dates**

All assignments are due at the beginning of class and are to be saved in the Guadi drive in the ARC 4233 folder. Within the folder please save a folder with your first and last name that contains the assignment you are submitting. Each day an assignment is late will result in a 10 point deduction.

**Course Grades**

Class Projects	75%
Participation, Development & Attendance	25%

**Grades will be based on the following criteria**

**Scholarship:** strength of ideas; consistent articulation and development of ideas; quality of verbal and graphic presentation of work during design reviews.

**Initiative:** technical competency, clarity, craft and timely completeness of the work submitted.

**Attitude:** passion, commitment, dedication and work ethic

**Improvement:** process of improving or enhanced value throughout the semester

- A** (*superior/ excellent 90% - 100%*)  
**Scholarship:** exceptional design skills strongly exceeding requirements of instructor;  
**Initiative:** Contributes exceeding the assignment showing independent resourcefulness  
**Attitude:** Positive benefit to the studio;  
**Improvement:** marked and growing
- B** (*good/better than average 80% - 90%*)  
**Scholarship:** Design/ skills above average, accurate and complete, beyond requirements of instructor  
**Initiative:** Good when stimulated by some desirable achievement  
**Attitude:** Proper and beneficial to the studio  
**Improvement:** Showing marks of progress and responding to stimulation
- C** (*competent/ average 70% - 80%*)  
**Scholarship:** mediocre design/ skills, satisfying or meeting requirements, but showing evidence of need of stimulation by instructor  
**Initiative:** Uncertain and apparent only at times  
**Attitude:** generally neutral but not objectionable  
**Improvement:** Very ordinary, definite marks lacking
- D** (*below average 60% - 70%*)  
Minimum merit
- F** (*failing < 59%*)  
Seriously lacking in initiative, scholarly commitment, design abilities, and/or graphic communication skills