Arch 6171 Integration Seminar

Seminar Intent

As a culmination to the graduate experience in architectural education, students must be able to demonstrate the knowledge they have accumulated by incorporating all of the conceptual and technical requirements necessary for a complete and comprehensive building design.

The Integration Seminar is a stand-alone seminar consisting of guest lectures, student presentations, and associated assignments that add greater depth, understanding, and proficiency to the Integration Studio VI experience.

Students will produce and submit diagrams, drawings, and other materials documenting specific areas of study related to their Studio VI projects. As well, online comments reflecting upon the lectures and presentations will be required.

Areas of Study

- historical context, site strategies and zoning
- conceptual development
- principles and programming
- mechanical systems
- structural systems
- sustainable project delivery
- life safety and fire codes
- life safety and accessibility
- documents and details
- construction safety
- presentation graphics
- specifications

Hybrid Course Structure

This course is a Hybrid Course consisting of both in-person and online class time. It will be expected that attendance and participation occur in both venues. Canvas will be used to offer support materials, assignments, discussions, and collaborative opportunities. Online Comments and Assignments must be formatted and labeled properly and uploaded to Canvas by the due date and time stipulated in each assignment.

NAAB ACCREDITATION CRITERIA

C.1 Research
- Understanding of the theoretical and applied research, methodologies, and practices used during the design process

C.2 Integrated Evaluations & Decision-Making Design Process
- Ability to demonstrate the skills associated with making integrated decisions across multiple systems and variables in the completion of a design project. This demonstration includes problem identification, setting evaluative criteria, analyzing solutions, and predicting the effectiveness of implementation.

C.3 Integrative Design
- Ability to make design decisions within a complex architectural project while demonstrating broad integration and consideration of conditions, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

Technical Assistance

Additional in-depth lectures and opportunities for consultation with technical advisors may be provided in the studio throughout the semester.

Requirements

Students will collect, research, analyze, and produce conceptual and technical information related to the requirements for the Integration Design Studio VI. Work will be done both individually and in groups to prepare verbal and graphic documentation. Each student will be required to document and submit the work required for each phase. All work will be submitted in the prescribed Presentation Format.

Evaluation

An active working environment integrated with technical and theoretical rigor are the most crucial aspect of the Integration Seminar experience. Students will be evaluated based on their commitment to investigating and advancing the process through the quality of the work, work ethic, verbal, and graphic presentations as well as collaborative efforts. Evaluation will take place in Work Sessions, Group Discussions, Technical Consultations, and Presentations.
INTEGRATION SEMINAR
ARCH 6171-H01: Spring 2018    Instructor: Barbara Ambach
Type: Required Course    Phone: 303.315.1052
Credits: 3 elective    E-mail: Ambachb@comcast.net
Prerequisites: ARCH 5110, 5120, 5130, 5140, 6150
Section H01: Thursdays 11:00 - 12:15
Office hours: [email for appointment]
Office Location: CU Denver Building - 320R
Location: Room 470

COURSE CATALOG DESCRIPTION
In this seminar students will develop and document the technical aspects of their Design Studio VI design projects including, life safety, mechanical, electrical, plumbing, conveyance, accessibility systems and material assemblies. Prereq: ARCH 6150, ARCH 6151. Coreq: ARCH 6170. Max hours: 6 Credits. Semester Hours: 3 to 3

TEACHING PHILOSOPHY & REQUIREMENTS
An active working environment integrated with technical and theoretical rigor is a crucial aspect of the design experience, therefore, it is required that students attend and be productive for the duration of the scheduled class time.

Each student must be prepared with the required assignments for each class meeting. Students are encouraged to have their own laptops and have a working knowledge of Photoshop, InDesign and AutoCad or Revit. Other applications may also be necessary.

ALL WORK MUST BE SAVED FREQUENTLY ONTO YOUR OWN EXTERNAL THUMB DRIVE or HARD DRIVE. NO EXCUSES FOR LOST WORK OR CORRUPTED WILL BE ACCEPTED!!

ASSESSMENT, EVALUATION and GRADING
The developing of a complete and technically proficient design approach is a process oriented endeavor. This course provides the opportunity to develop the conceptual and technical rigor necessary to support the 6170 Integration Studio process. Students will be evaluated based on their level of success in investigating and advancing their design process.

The class time will consist of presentations, discussions and collaborative work sessions during which students will be expected to work both individually and in groups to collect, analyze, distill, organize, document and present information related to each of the phases supporting the work in the 6170 Studio.

While adhering to the grading standards established by the College, we consider how a student of architecture should perform at their specific level, as well as, each student’s ability to fully engage in the advancement of his/ her own personal architectural design process. Each student may begin with varying levels of skill in each of the areas described above. The student’s abilities will be taken into consideration along with the advancement of those skills throughout the semester. Final grades will take all of these aspects into consideration.

Grading Scale - grades will be given in points
94-100 A  90-93 A-  87-89 B+  84-86 B  80-83 B-  77-79 C+  74-76 C  70-73 C-  67-69 D+  64-66 D  60-63 D-  0 - 59 F

VALUES for ASSIGNMENTS and FINAL EXAM
STUDENT PRESENTATION: 10%
BOOKLET:
   A . CONTEXT/SITE 10%
   B . CONCEPT/PROGRAM 10%
   C . MATERIALS/STRUC/SYSTEMS 15%
   D . LIFE SAFETY/ACCESSIBILITY 15%
   E . DOCUMENTS/DETAILS 10%
   F . SPECIFICATIONS 10%
   80%
FINAL EXAM 20%
TOTAL VALUE 100%

*these values are subject to change depending on the specific emphasis of the project
POLICIES, RULES, and REGULATIONS

Students with Disabilities
Students with disabilities who want academic accommodations must register with Disability Resources and Services (DRS), 177 Arts Building, 303-556-3450, TTY 303-556-4766, FAX 303-556-2074. DRS requires students to provide current and adequate documentation of their disabilities. Once a student has registered with DRS, DRS will review the documentation and assess the student’s request for academic accommodations in light of the documentation. DRS will then provide the student with a letter indicating which academic accommodations have been approved. Once you provide me with a copy of DRS’s letter, I will be happy to provide those accommodations DRS has approved.

Absences, Tardiness, Quizzes and Examinations, and Homework
Except for documented health or disability reasons, I will not accept excuses for absences, tardiness, missed examinations, or homework not submitted. Documentation of disability or health-related issues must be provided to me and to Disability Resources and Services, 177 Arts Building, 303-556-3450, TTY 303-556-4766, FAX 303-556-2074, no later than 72 hours past the missed class time.

Classes begin and end on time. (1) absence will be allowed before an academic penalty of (one half) (one) grade reduction is imposed. If you are late to class and/or leave class early (2) times, an academic penalty of (one half) (one) grade reduction will be imposed. Homework, papers, projects, or any other required assignments that are turned in late will receive (one half) (one) grade reduction for every day they are late. Any student who does not participate in pin-ups/reviews, misses quizzes and/or examinations or fails to turn in homework and/or papers will receive either a zero (0) or an F for the work missed.

Returning Papers, Quizzes, and Examinations
1. Papers, quizzes, and examinations will be distributed in a class session.

Plagiarism
Students are expected to know, understand, and comply with the ethical standards of the university, including rules against plagiarism. Plagiarism is the use of another person’s ideas or words without acknowledgement. The incorporation of another person’s work into yours requires appropriate identifications and acknowledgement. The following are considered to be forms of plagiarism when the source is not noted: word-for-word copying of another person’s ideas or words; the “mosaic” (interspersing your own words here and there while, in essence, copying another’s work); the paraphrase (the rewriting of another’s work, while still using their basic ideas or theories); fabrication (inventing sources); submission of another’s work as your own; and neglecting quotation marks when including direct quotes. All assigned work, including drawings and models must be the individual product of each student. Collaborative work must be credited to all participants.

Classroom Decorum
The following ground rules apply to all students and are designed to ensure a classroom environment conducive to learning:
1. Pagers, beepers, cellular telephones, and handheld internet devices must be deactivated before class begins and remain deactivated throughout the entire class period.
2. Please do not bring children to class.
3. Students who engage in disruptive classroom behavior will be reported to the Office of Student Life for appropriate disciplinary action under the UCDenver Code of Student Conduct and, when appropriate, to the Auraria Campus Police for investigation of possible criminal action. The Code of Student Conduct can be found on the UCDenver website, under Office of Student Life and Student Activities. Disruptive behavior includes, but is not limited to, arriving late to class without explanation or apology; leaving class early without explanation or apology; reading a newspaper or magazine; reading a book with no connection to the content of the course; engaging in prolonged private conversations; sleeping in class; eating, drinking, and/or gum chewing; passing notes; being under the influence of drugs or alcohol; harassment or verbal or physical threats to another student or to the instructor; failing to deactivate pagers, beepers, cellular phones, and/or handheld internet devices; bringing children to class.

Intellectual Property
Copyright (© Barbara Ambach 2018) on this syllabus and all lectures. Students are prohibited from selling, or being paid by any person or commercial firm for taking, notes or recording class lectures without the advance express written permission of the faculty member teaching this course. Exceptions are permitted for students with a disability who are approved in advance by Disability Resources and Services for note taking or tape recording as an academic accommodation.

Important Dates
There will be no class during the Spring Break.
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<tr>
<th>wk</th>
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<tbody>
<tr>
<td></td>
<td>Jan 18</td>
<td>Thur</td>
<td>GS - Contextual Strategies &amp; Zoning</td>
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<td>Jan 25</td>
<td>Thur</td>
<td>SP - Context, Site History &amp; Zoning</td>
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<td>Jan 30</td>
<td>Tues</td>
<td>Online Comments Due</td>
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<td>Feb 01</td>
<td>Thur</td>
<td>GS - Conceptual Development</td>
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<td>Feb 08</td>
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<td>GS - Principles &amp; Programming</td>
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<td>Feb 15</td>
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<td>GS - MEP Systems</td>
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<td>GS - Sustainable Project Delivery</td>
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<td>Mar 01</td>
<td>Thur</td>
<td>GS - Structural Systems</td>
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<td>Mar 06</td>
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<td>GS - Life Safety &amp; Fire Codes</td>
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<td>Mar 22</td>
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<td>Mar 27</td>
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<td>Online Comments Due / BOOKLET with Student Presentation and Phases A, B C &amp; D Due</td>
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<td>Mar 29</td>
<td>Thur</td>
<td>GS - Documents &amp; Details</td>
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<td>Apr 05</td>
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<td>GS - Construction Safety</td>
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<td>GS - Presentation Graphics</td>
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<td>Apr 17</td>
<td>Tues</td>
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<td>Apr 19</td>
<td>Thur</td>
<td>GS - Specification</td>
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<td>Apr 26</td>
<td>Thur</td>
<td>FINAL EXAM Due [available online in Canvas]</td>
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<td>May 01</td>
<td>Tues</td>
<td>Online Comments Due / EXTRA CREDIT Due [available online in Canvas]</td>
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<td>May 03</td>
<td>Thur</td>
<td>Final Reviews . NO CLASS</td>
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<td>May 10</td>
<td>Thur</td>
<td>BOOKLET with Student Presentation and Phases A, B C, D, E and F Due</td>
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* schedule subject to change

GS = Guest Speaker
SP = Student Presentations