ARCH 7410: ARCHITECTURAL DESIGN STUDIO -
THE COMPREHENSIVE STUDIO:

The Ohio State University, Austin E. Knowlton School of Architecture
Autumn 2014 - Mondays, Wednesdays, Fridays 1:30-5:30 [see schedule]

Studio Instructors
Robert Livesey  livesey.1@osu.edu  (614) 292-3190  (Office Hours: 11am-12pm, MW – KN200E)
Bart Overly  overly@blostein-overly.com  (614) 602-BLOV  (Office Hours: 12pm-1pm, MW – arranged)
Please call or email to schedule an appointment in advance.

A Comprehensive Design Studio

Architecture is confronted with numerous demands in its quest for substantiation, from overwhelming market forces to
the narrow constraints of building codes. The systematization and regulation of these competing demands resists the
totalizing ideals of architectural mastery. While meeting the NAAB accreditation requirement for a comprehensive
studio, Architecture 7410 has a more fundamental agenda: to deploy the architectural skills with which architects
negotiate markets and offer alternatives to existing conditions. The studio offers that architecture most effectively
engages cultural, economic, social, and political forces through the intelligent deployment of its own practices.

ARCH 7410 develops a student’s ability to produce a complete architectural project from schematic design through
the detailed development of programmatic spaces, building assemblies, structural and environmental systems, and
sustainability and life-safety provisions. To this end ARCH 7410 is coordinated with ARCH 5520 "Building
Construction II," which guides students through the development of building assemblies. The studio will limit its
mechanical systems requirements to HVAC and electrical systems addressed by ARCH 5810 and 6810.

ARCH 7410 is the terminal requirement of the core studio curriculum wherein a student must demonstrate the ability
to produce a complete architectural project. A high level of discipline and maturity is expected and the highest
standards are maintained.

The Studio Premise:

The program for ARCH 7410 is approximately 200 units +/- of multi-family housing (with amenities to be determined
and one parking space per residential unit), 50,000 sq ft commercial space, a 40,000 sq ft downtown grocery (urban
big box) with an additional 30,000 sq ft of retail. The project site was formerly the historic Columbus Central Market
and is currently a Greyhound Bus Station with two low-rise office buildings making a northern edge. At just over four
acres in size, the site is adjacent to Columbus Commons to the west and bounded by Town Street to the north, Rich
Street to the South, and 4th Street to the east.
POLICIES

Format: As a research-based studio, the exact nature of each assignment or requirement will be subject to the discovery of previous efforts, and the evolving expectations for the assignment will be based on communications between the instructor and the studio. All communication with the studio instructor should be carefully considered (especially e-mail) and literally followed, as it will be critical in communicating the necessarily evolving directions and assignments.

Studio meetings will be of two types: collective meetings in which to engage material as a group, and studio sessions (or work sessions) which engage individual efforts.

Collective meetings include lectures, pin-ups, and reviews. The specific requirements for the pin-ups and reviews are found in the relevant handout.

The remaining days on the schedule (work sessions) include “desk crits”. In all cases, regardless of schedule, it is expected that the entirety of studio time (M, W, F 1:30-5:30pm) be spent on the studio project. Due to the number of students who are to present, it is imperative that students have work pinned up and are ready to present at the beginning of the class session.

Evaluation: As the work in the studio is both individual and collective, the criteria of evaluation include not only design excellence, but also the ability to make constructive contributions within the overall framework of the studio: research, documentation and contribution to the discussions of the studio. There will be one major design project, as well as additional assignments. Grading is based on a comparison with other students in the course, with students who have taken the course previously, and with the instructors' personal expectations relative to the objectives of the course. Evaluation of projects is by jury review involving reviewers from other courses, other academic institutions, and architectural firms. For an "A", the student must satisfy the course objectives excellently; for a "B", in an above average manner; for a "C" in an average manner; for a "D" in the lowest acceptable manner; and a "F" denotes that the student has not satisfied the course objectives. Students are reminded that they must maintain a 3.00 cumulative GPA to remain in good academic standing.

Documentation: Students must submit electronic documentation of all work presented for research, schematic, and design development reviews. Each drawing must be saved as a separate press quality pdf (300 dpi minimum) and have Adobe Illustrator compatibility turned on. Final models must be photographed and saved as jpegs (8.5” x 11”, 300 dpi minimum.) All files should be named according to the following convention: (course number and quarter)_ (name of assignment – either research, schematic, or development)_(last name of authors)_(number of drawing in sequence)_(descriptive name, like “Site Plan” or “Sequence Diagram”). Therefore, the convention is: 7410A14_assignment_authors_number_drawing_name.pdf. These files are to be placed in X:\Livesey_Robert\Homework\Arch 7410\DropAssignments. Students must place documentation by 5PM 8 Dec 2014 (see schedule). Failure to meet this deadline will result in a grade of "incomplete."

Deadlines: Students who miss deadlines due to valid extenuating circumstances may submit the required work at a later date, as agreed upon with the instructor. University regulations limit such circumstances to serious personal illness and death in the immediate family. Unexcused late projects are not accepted, incomplete projects are evaluated in relation to their degree of completion, and a student is present only if he or she presents sufficient work to the instructor. A student will be warned by email after the first unexcused absence; a student’s grade will drop one letter grade after the second unexcused absence; and a student with three unexcused absences will be immediately dismissed and given an "F."

Studio Behavior: It is crucial that students work in the studio, because of the collaborative nature of the comprehensive project. Students are responsible for keeping their areas clean and floors free from obstructions. Liquor, smoking, spray painting, welding, room dividers, and bicycles are not permitted. Loud noise is forbidden during studio hours. Graffiti and vandalism of any kind are grounds for expulsion.

Sexual Harassment: O.S.U.’s Sexual Harassment policy, which applies to all faculty, staff, and students, includes lewd remarks and inappropriate comments made in the studio environment, classroom, and computer labs as well as the “display of inappropriate sexually orientated material in a location where others can see it.” Students can file a complaint by contacting Student Judicial Affairs at 292-0748. Sanctions include reprimand, suspension, and dismissal from the University.

Students with Disabilities: If a student requires accommodation for a disability, he or she should immediately arrange an appointment with the professors and the Office for Disability Services. At the appointment, the professors, disability counselors, and student can discuss the course format, anticipate needs and decide upon accommodations. Professors rely on the Office for Disability Services for assistance in verifying the need for accommodations and developing accommodation strategies.
### SCHEDULE

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Activity</th>
<th>Requirements</th>
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</thead>
<tbody>
<tr>
<td>W</td>
<td>27 August</td>
<td>Begin Stage One: MOTIVATIONS / CONDITIONS / PRECEDENTS</td>
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<tr>
<td>F</td>
<td>29 August</td>
<td>Pin Up: Motivations Internal Review; Begin Conditions Research</td>
<td>1 – 5 Motivation Sheets</td>
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<td><strong>Week 1</strong></td>
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<tr>
<td>M</td>
<td>1 September</td>
<td>Labor Day; no studio meeting</td>
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<tr>
<td>W</td>
<td>3 September</td>
<td>Pin Up: Motivation review</td>
<td>1 – 5 Motivation Sheets (presented in Team Research Groups)</td>
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<tr>
<td>F</td>
<td>5 September</td>
<td>Pin Up: Review of Conditions</td>
<td>Draft of Six Research Sub-Categories; Site Model Layout and Base Design</td>
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<td><strong>Week 2</strong></td>
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<tr>
<td>M</td>
<td>8 September</td>
<td>Work Session: Revised Conditions</td>
<td>All Condition Sheets</td>
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<tr>
<td>W</td>
<td>10 September</td>
<td>Work Session: Revised Conditions</td>
<td>All Condition Sheets; Draft of Site Plan &amp; Site Section</td>
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<tr>
<td>F</td>
<td>12 September</td>
<td>Pin Up: Studio Review</td>
<td>All Condition Sheets; Revise Site Plan and Site Section</td>
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<td><strong>Week 3</strong></td>
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<tr>
<td>M</td>
<td>15 September</td>
<td>Pin up: Precedents Review</td>
<td>Two Precedents per Student</td>
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<tr>
<td>W</td>
<td>17 September</td>
<td>Pin Up: Precedents Revised</td>
<td>Revised Precedent Sheets + Massing Models</td>
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<tr>
<td>F</td>
<td>19 September</td>
<td>Pin Up: REVIEW: MOTIVATIONS / CONDITIONS / PRECEDENTS</td>
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<td><strong>Week 4</strong></td>
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<tr>
<td>M</td>
<td>22 September</td>
<td>Pin Up: Begin Stage Two: SCHEMING</td>
<td>Pin up Stage One in Studio; Students form Eight Teams</td>
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<tr>
<td>W</td>
<td>24 September</td>
<td>Pin Up: First Reactions</td>
<td>Three Massing Models in Response to Four Typologies</td>
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<tr>
<td>F</td>
<td>26 September</td>
<td>Pin Up: Second Reactions</td>
<td>Revise Three Massing Models; Draft Site, Massing &amp; Plan Sheets</td>
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### Week 5

**M 29 September**  
**Pin Up:** Develop One Alternative  
**Requirements:** Revise massing model; Revise Site, Massing & Plan Sheets

**W 1 October**  
**Work Session:** Develop Scheme:  
**Requirements:** Draft Code, Program & Construction Sheets

**F 3 October**  
**Pin Up:** Initial Schemes, Revised:  
**Requirements:** Revise Code, Program & Construction Sheets; Draft Systems, Sustainability Section & Unit Sheets

### Week 6

**M 6 October**  
**Work Session:** Structural Focus:  
**Requirements:** Revise Massing Model & Construction, Plan & Section Sheets

**W 8 October**  
**Pin Up:** Reactions from Structural Focus Session:  
**Requirements:** Revise Configuration & Performance Sets

**F 10 October**  
**Work Session:** Systems Focus:  
**Requirements:** Revise Systems, Sustainability, Plan & Section Sheets

### Week 7

**M 13 October**  
**Pin Up:** Reactions from Systems Focus Session:  
**Requirements:** Revise Massing Model & Systems & Sustainability Sheets; Draft Two Appearance Sheets

**W 15 October**  
**Pin Up:** Appearance Set:  
**Requirements:** Revise Two & Draft Three Appearance Sheets

**F 17 October**  
**Pin Up:** Full Scheme; Address Biggest Problem  
**Requirements:** Revise Configuration, Performance, Appearance Sets  
(with special emphasis placed on Appearance Set)

### Week 8

**M 20 October**  
**Work Session:** Coordinate & Refine All Diagram Sets:  
**Requirements:** All Drawings and Final Scheming Model in progress

**W 22 October**  
**Pin up:** Dry Run:  
**Requirements:** All Drawings and Final Massing Model

**F 24 October**  
**REVIEW: SCHEMING**

### Week 9

**M 27 October**  
**Pin Up:** Begin Stage Three: DEVELOPMENT  
**Requirements:** Pin up projects in the studio

**W 29 October**  
**Work Session:** Develop Plans & Sections  
**Requirements:** Draft A2 and ½ A3

**F 31 October**  
**Work Session:** Develop Elevations and Site Plan  
**Requirements:** Draft A1 & ½ A3; Edit Configuration and Performance Sheets
Week 10

**M** 3 November  
**Pin Up:** Develop Structure (w/consultant)  
**Requirements:** Draft ½ A6

**W** 5 November  
**Work Session:** Refine Structure  
**Requirements:** Revise & Develop ½ A6; Refine & Develop Two Appearance Images

**F** 7 November  
**Pin Up:** Develop Mechanical Systems (w/ consultant)  
**Requirements:** Draft ½ of A6

Week 11

**M** 10 November  
**Work Session:** Refine Mechanical Systems  
**Requirements:** Revise & Develop ½ A6; Refine & Develop Two Appearance Images

**W** 12 November  
**Work Session:** Develop Plans, Sections & Elevations  
**Requirements:** Revise & Develop A2 & A3; Refine & Develop Two Appearance Images

**F** 14 November  
**Work Session:** Develop Interior Elevations  
**Requirements:** Draft A4 & Refine Interior Appearance Images

Week 12

**M** 17 November  
**Work Session:** Develop Exterior Wall Sections & Details  
**Requirements:** Draft A5

**W** 19 November  
**Work Session:** Refine Interior Elevations & Wall Sections  
**Requirements:** Revise & Develop A4 & A5; Refine Exterior Appearance Images

**F** 21 November  
**Pin Up:** Coordinate Performance, Configuration & Appearance Sets  
**Requirements:** Revise and Develop 11 x 17 Sheets

Week 13

**M** 24 November  
**Work Session:** Coordinate & Refine All Sheets; Address Biggest Problem  
**Requirements:** Present all Drawings

**W** 26 November  
**Thanksgiving Break; no studio meeting**

**F** 28 November  
**Thanksgiving Break; no studio meeting**

Week 14

**M** 1 December  
**Pin Up:** Refine A1-A6; Performance, Configuration & Appearance Sets  
**Requirements:** Complete Presentations w/ Massing Model

**W** 3 December  
**Pin Up:** Presentation Dry Run  
**Requirements:** All Drawings & Final Massing Model

**R** 4 December  
**FINAL REVIEW**

**F** 5 December  
“Final Friday” Celebration

Week 15

**M** 8 December 2014  
**Student Team Work Submitted**
Recommended Texts

Other Resources