

Course Number and Title: ARCH 152 / Architectural Drawing II / 3.0 Credits

Instructor: Lauren Karwoski Magee

Contact: LKM@DREXEL.EDU

Website: www.thedraftedline/teaching

Course Pre-requisite: ARCH 101, ARCH 151

Course co-requisite: ARCH 102 Studio 1B

Schedule: Winter Term, Tuesday (Section 1) or Thursday (Section 2) 2:00 – 4:50pm

Catalog Description: Focuses on architectural representation through advanced drawing techniques including sketching, perspective drawing, rendering, shade and shadow techniques and the use of color.

Course Objectives: As the second hand drawing course in the required sequence for architecture majors, this course aims to broaden students' knowledge of representation techniques through the use and application of techniques discussed in Architectural Drawing I Arch 151, and Studios Arch 101 and 102. All projects in Arch 152 will deal with the observation and documentation of real spaces and conditions in an effort to better understand and explore the effects of light, materiality, color and texture upon space and the human experience. Outcomes from this class are intended to be transferred to your own design decisions.

Course Requirements: Students are expected to complete all work for the week as outlined in each assignment handout and to be prepared to discuss it with the group. Students should come to class prepared to work and have access to all drawing supplies in the studio. It will also be useful to have the course textbook available in the studio for reference during in-class work sessions.

Digital Requirements: All drawings and progress sketches must be scanned at 300dpi (in color or black and white, as appropriate to the project), saved as a .JPG entitled YourName_ProjectNumberandTitle.JPG and uploaded to the student work folder on AW Storage by the assignment due date. Follow this path on AW Storage: Architecture Courses > Arch 152 Winter 2010 > Student Work > Project Number. See the accompanying sheet on methods of accessing AW Storage.

Online Illustrated Journal: A journal will be developed by each student in the class. This journal will be hosted on your own website and must be updated weekly with imagery and writing. Instructions on creating and adding to the website will be discussed in class in Week 1. In addition to posting final work, your progress drawings and sketches must also be posted. The journal will be reviewed at the end of the term.

Course Text & Supplies: *Design Drawing*, F. Ching; *Color Drawing*, Michael E. Doyle, 2006 ed.

- 4 sheets of drawing quality paper (\$2.09 per sheet from Blick Art, 1330 Chestnut Street, Philadelphia): Stonehenge White or Warm White Paper, 22"x30", 90lb, Item no. 104231002
- Surface to lean on: 12"x18" cardboard or masonite – build this ASAP
- Viewfinder: 7"x9" cardboard or chipboard – to be discussed in Week 4

Attendance: Regular class attendance is mandatory except in the event of an emergency or sickness. Unexcused lateness to or departure early from class will be recorded and two of these marks will be

equivalent to one absence. Excused absences are allowed for severe illness and emergencies and must be documented in writing by a doctor or other authorized person. Inability to attend class requires advance notification to the instructor via email. More than 1 *unexcused absence* will result in a reduction of the final grade. More than 1 *excused or unexcused absence* will result in an evaluation by the instructor of student's competence in the subject matter and demonstrated understanding of topics covered in class. Failure to pass this evaluation will result in a reduction of the final grade or class failure in extreme cases. When missing class, it is the student's responsibility to obtain the assignment from the course website and complete the necessary work for the following week.

NAAB (National Accreditation Board) Conditions for Accreditation & Student Performance Criteria:

Arch 152 content addresses student performance criteria required for professional accreditation of our architecture program. These criteria consist of specified abilities and understandings that graduating students must demonstrate. The following criteria are covered in this course:

Realm A: Critical Thinking and Representation: A.1 Communication Skills, A.2 Design Thinking Skills, A.3 Visual Communication Skills, A.4 Technical Documentation Skills, A.5 Investigative Skills, A.7 Use of Precedents, A.8 Ordering Systems Skills, A.11 Applied Research

Realm C: Leadership and Practice: C.1 Collaboration, C.2 Human Behavior

Grading: Students will be evaluated on individual progress, class participation, thoroughness and completeness of assignments, and exploration of the techniques presented in class.

Project 1: 25%

Project 2: 25%

Project 3: 25%

Online Visual Journal: 15%

**Assignments on AW Storage,
Participation, Effort: 10%**

Course Outline:

Online visual journal must be updated weekly with images and text. All uploaded images must be at 72dpi.

Week 1: Project 1, Assignment 1, Drawing with Light (complete in class)

Rendering with light media on dark paper and dark media on white paper with a focus on form

Journal: Setting up the journal; scan and upload images from in-class assignment and create links

Week 2: Project 1, Assignment 2, Detail Drawing Observation

Render in light and dark media to illustrate your observations of the form of details in response to light and shade.

Journal: scan and post freehand sketchbook detail drawings online

Week 3: Project 1, Assignment 3, Diagramming in Plan and Section (complete in class)

Use the plan and section provided to diagram organizational design principles.

Journal: scan and post the final diagrams online

Week 3: Project 1, Assignment 4, Projecting Shade and Shadows in Plan and Section

Draft a section and partial plan of the Fisher Fine Arts Library Main and Rotunda Reading Rooms.

On trace paper, project shadows using the techniques discussed in class.

Journal: scan and post final rendered detail drawings online

Week 4: Project 1, Assignment 5, Rendering Shade and Shadow in Plan and Section

Render projected shadows using the technique of rendered tone. Test rendering technique in class.

Journal: Scan and upload rendering tests uploaded; scan and upload final drawings

Week 5: Project 2, Assignment 1, Sketching with a Viewfinder

Select views of interior spaces and re-present them with the aid of a viewfinder

Journal: Five views sketched (interior, exterior and detail perspective views) with shade and shadow annotated

Journal: Mid-review assessment; email link

Week 6: Project 2, Assignment 2, Rendering a Drawing with cross hatching in ink

Using the technique of cross hatch, enlarge sketches and develop drawings through black ink rendering.

Journal: Tonal gradient with cross-hatch; final drawing

Week 7: Project 3, Assignment 1, Representing Materiality

Study of found objects; Developing a color palette with a focus on materials.

Journal: Color Palette; object drawings

Week 8: Project 3, Assignment 2, Color and Material Palette; Observation Drawings

Develop color and material palette, study of Skirkanich Hall in Plan and Elevation

Journal: Color Palette and Material Notes from site visit

Week 8: Project 3, Assignment 3, Site Plan and Elevation Drafting

Develop color and material palette, study of Skirkanich Hall in Plan and Elevation; Drafting in 2D

Journal: Developing components- people and trees

Week 9: Project 3, Assignment 4, Color Rendering, Projected Shade and Shadows

Development of drawings and renderings, adding people and trees

Week 10: Project 3, Completion; Presentation of Online Journal

Final review of drawings

Journal: Summary of course, Final presentation of online illustrated journal

Week 11: All work due

All work due on Wednesday 3/17/09 at 12:00 noon for final grading.