Calendar description

This course builds on the principles of drawing, modeling, imaging, and composition studied in ARCH 3501. Topics include axonometric, perspective, colour, and composition.

Additional course description

As the second course in a series of 4, the course builds on the fundamental concepts, techniques and applications of architectural representation introduced in B1. Over the term we will develop analytical and descriptive skills in architectural representation and study topics of projection, colour and project / graphic narrative. Historic examples and disciplinary terminology will be introduced that enables graphic work to be evaluated and discussed. With a focus on the development of architectural drawing, the 4 parts of the course aim to complement and strengthen your concurrent B2 Design work and case study project. The subjects of study are also topically linked to your History and Technology courses.

Students are expected to develop technical skill and an awareness and utilization of graphic options to represent design intentions.

Process Portfolio

Please update your process portfolio for all B2 courses continuously throughout the term. For advice on the content, format, and use of a process portfolio (as well as some video examples), refer to the School of Architecture web site:

https://www.dal.ca/faculty/architecture-planning/school-of-architecture/current-students/school-works/beds-years-3-4.html
Introduction

“The program of education in any subject is like a network of paths in a field. It does not cover the field, it makes it accessible.” Dr. E. Baniassad

The two primary components of the course are integrated with your design. The first begins with site work and ends with the graphic narrative for your final presentation. The second component (weeks 4-10) pertains to the case study and colour. Within these 2 components, there are 4 parts and 7 assignments that aim to provide a framework to support and activate your design ideas and further represent your case study.

The first part of the course (Line Drawing) will look at your site through a combination of observation and recording techniques which include measuring, drawing and photography. Line drawings describe an architectural subject through the suppression of certain characteristics, thereby achieving legibility and focus with respect to form, composition and metric properties. Some line drawings may utilize tone and forms of poche or material hatching. How and what the drawing communicates may depend on the drawing type, the scale and intended purpose.

In the second part of the course, in small groups, students will study an accomplished modern house through the completion of individual drawing types. Building on readily available plan and section drawings this work will develop a series of digital analytical studies that will look closely at the architectural elements through a series of manually completed axonometric and perspective drawings. Basic principles of one-point and two-point perspective are introduced and will be used to simulate views of interior and exterior spaces. Skills developed in the case study should logically be applied to the representation of your design project.

Studio exercises in colour will involve a traditional mixing of primary pigments and an experimentation with colour applied to larger surfaces thereby observing the impact of ‘quantity of colour’ in comparison with previous colour theory studies.

Lastly the course will consider your final design presentation by developing, editing and composing your design and representation work for your final review. Students will utilize the skills developed to compose a concise final presentation that tells the story of your project as it relates to your intentions, the progression of the work, your precedent and the site.
Course Parts and Assignments:

Part 1 - Line Drawing
Assignment 1
1a. Surveying your site 10%
   Individual assignment
1b. Orthographic Drawing 20%
   Group assignment with individual components.
   (design: city/street/site)

Part 2 - Projection
Assignment 2
2a. Axonometric 15%
   Individual assignment
   (case study)
2b. Analytical Drawing 15%
   Group assignment with individual components.
   (case study)
2c. Perspective 15%
   Individual assignment
   (case study)

Part 3 - Colour
Assignment 3
3. Middle Mixture 15%
   Individual assignment

Part 4 - Presentation
Assignment 4
4. Work on the Wall 10%
   Individual assignment
   (B2 design project)

Evaluation:

All work is evaluated by the instructors, with advice from the course assistants. Individual exercises are assessed numerically.

The criteria are:

knowledge
(conventions of media, projection and scale; awareness of design intentions)

skill
(precision, composition)

focus
(clarity, vividness, strategy; contribution to class discussions)

(Any late submissions will be deducted a third of a letter grade per weekday (e.g., from A to A–), except for documented medical reasons)
### Format:
A typical class includes a review of a previous assignment, an introduction to the next assignment, and tutorials in the studio or the Exhibition Room.

### Learning Objectives:
- Develop technical skills through assignment studies
- Integrate course principles and topics into your term design work
- Develop, build and employ representational terminologies

### Schedule:

<table>
<thead>
<tr>
<th>WEEK</th>
<th>CLASS</th>
<th>TOPIC</th>
<th>STUDY</th>
<th>Value</th>
<th>DUE DATES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11-Jan</td>
<td>Line design</td>
<td>1a</td>
<td>10%</td>
<td>DUE 1a</td>
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<tr>
<td></td>
<td></td>
<td>site work</td>
<td>site</td>
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<tr>
<td>2</td>
<td>18-Jan</td>
<td>1b Orthographic Drawing</td>
<td>20%</td>
<td>1b draft due</td>
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<td>city / street / site</td>
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<td>3</td>
<td>25-Jan</td>
<td>Projection case study work</td>
<td>15%</td>
<td>1b due</td>
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<td></td>
<td>2a Orthographic &gt; Axonometric</td>
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<td>volume / space</td>
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<td>4</td>
<td>01-Feb</td>
<td>2b Descriptive &gt; Analytical</td>
<td>15%</td>
<td>2a due</td>
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<td>architectural strategies</td>
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<td>5</td>
<td>08-Feb</td>
<td>2c Perspective (optional)</td>
<td>15%</td>
<td>2b due</td>
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<td>interior / exterior</td>
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<td>6</td>
<td>15-Feb</td>
<td>Study break</td>
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<td>7</td>
<td>22-Feb</td>
<td>Colour colour studies</td>
<td>No Class (Design Review)</td>
<td>10%</td>
<td>2c due</td>
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<td></td>
<td></td>
<td>3 Colour I Colour mixtures (optical)</td>
<td>15%</td>
<td>2c due</td>
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<td>Colour II Colour dimension (physical)</td>
<td>15%</td>
<td>3 due</td>
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<td>8</td>
<td>01-Mar</td>
<td>Presentation design presentation</td>
<td>4 Work on the Wall Selecting and developing your architectural representations</td>
<td>10%</td>
<td>4 due</td>
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<td>No class</td>
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<td>9</td>
<td>08-Mar</td>
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<td>15-Mar</td>
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<td>22-Mar</td>
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<td>12</td>
<td>29-Mar</td>
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<td>13</td>
<td>05-Apr</td>
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</table>

* In class digital workshops (Adobe Suite, Autocad, Rhino)
References:


Safont-Tria, Jordi and Kwinter, Sanford and Holl, Steven. *Color, Light, Time*. Zurich, Switzerland: Lars Muller, 2002. (NA 737 H64 S24 2012)


general assignment reference examples and intended ‘outputs’:

1a. Surveying the Site/
   image: Student work photo montage and first angle projection.

1b. Orthographic Drawing/
   image: Steven Holl, Urban and Rural House Types.

2a. Axonometric/
   image: Peter Cardew.

2b. Analytical/
   image: John Hedjuk.

2c. Perspective/
   image: John Michel Crettaz.

3. Colour
   image: Johannes Itten,
   The Elements of Colour
   image: Sol Lewitt, Wall Drawing 381.

4. Composition and Narrative/
   image: Bolles Wilson Architects.