

ARCHITECTURAL DESIGN STUDIO I · ARC K211

(Thursday 5:30 – 9:50pm)

Professor: Mark Comeau, AIA (Day: 885-2387), email MComeau@trcc.commnet.edu

Grading: Students will be graded on various projects throughout the semester in accordance with the following criteria:

- How well the student identifies the problem;
- The student's ability to gather problem solving data & information;
- The student's ability to synthesize that data and information;
- Creative communication of the architectural solution.

Course Objective:

To introduce the Architecture student to the fundamental methodologies of an architect's decision making process. Students will work individually and in groups, as they apply their studies to the solutions of small "vignettes" or architectural projects that explore form and space design, and ordering systems. Emphasis in Design I is placed more upon the *path* of design and the decision making process, than a "polished" solution.

Text: Architecture: Form, Space & Order, and Design Drawing by Francis D.K. Ching

Form

Chapter 2

Week 1:
9/01 Visual Proportions of Form;
Shape, Massing, Transforming
Text - p. 50.

Week 2:
9/08 Additive Forms;
Central/Linear/Radial/Cluster/Grid
Text - p. 72.

Week 3:
9/15 Articulation of Forms;
Edges/Corners/Surfaces
Text - p. 94.

Week 4:
9/22 Symbiotics of Form (**Crit**);
Entry/Circulation/Struct./Space/Light
Text - p. 247.

Form & Space Chapter 3

Week 5:
9/29 Defining Space;
Horizontal/Vertical Elements
Text - p. 114.

Week 6:
10/06 Qualities of Space;
Closure/Light/View/Openings
Text - p. 175.

Week 7:
10/13 Spatial Relationships;
Context/Circul./Unit:Whole/Links
Text - p. 195.

Week 8:
10/20 Spatial Organizations (**Crit**);
Central/Linear/Radial/Cluster/Grid
Text - p. 204.

Order

Chapter 7

Week 09:
10/27 Ordering Principals;
Hierarchy/Symmetry/Balance/Axis
Text - p. 332.

Week 10:
11/03 Ordering Progressions;
Datum/Rhythm/Repetition/Layering
Text - p. 358.

Week 11:
11/10 Constructing Order (**Crit**);
Signature/Interpretation

Proportion & Scale Chapter 6

Week 12:
11/17 Proportion Systems;
Golden Section/The Orders
Text—p. 300.

Week 13:
11/24 Thanksgiving;
(No Classes)

Week 14:
12/01 Additional Proportions;
Renaissance/Modulor/Ken/Ergon
Text - p. 312.

Week 15:
12/08 Scale;
Generic/Human (Final Proj Assigned)
Text - p. 326.

Week 16:
12/15 Final Project Due (**Crits**)

Required Materials:

(along with drafting)

- 12" role of cream or white trace
- HB pencils
- prisma-color pencils (muted tones of greys, greens, others)
- prisma-color markers (muted tones of greys, greens, others)

Educational Objectives:

- Understand the process of design through exploration, refinement and communication of ideas;
- Apply proper sketch techniques in the development of quality design illustrations;
- Develop quality and consistent stylistic design drawings;
- Develop through practice, stylistic uses of sketch media including pencil, prismacolor, charcoals, etc.;
- Master the ability to create a basic set of design presentation “boards” that includes:
 - Story Board (to inventory design exploration)
 - Evidence of the design path
 - Quality assembled presentation boards that amplify the design solution
 - Clear, controlled and communicative oral presentations

Course Requirements:

Students assemble a **portfolio**, consisting of the various drawings assigned throughout the semester.

Students are expected to work both in class and out of class, to execute the assigned drawings. The final portfolio is a critical part of the final grade and serves as an important work when transferring to a baccalaureate program.

Supplies:

Students can anticipate having to purchase drawing vellum and drafting supplies. These will prove useful in the student’s subsequent career in the construction industries.

ACADEMIC INTEGRITY

Any and all exams, papers or reports submitted by you and that bears your name is presumed to be your own original work that has not previously been submitted for credit in another course unless you obtain prior written approval to do so from your professor.

In all of your assignments, including homework or drafts of papers, you may use words or ideas written by other individuals in publications, web sites, or other sources but only with proper attribution. "Proper attribution" means that you have fully identified the original source and extent of your use of the words or ideas of others that you reproduce in your work for this course, usually in the form of a footnote or parenthesis.

As a general rule, if you are citing from a published source or from a web site and the quotation is short (up to a sentence or two), place it in quotation marks; if you employ a longer passage from a publication or web site, please indent it and use single spacing. In both cases, be sure to cite the original source in a footnote or in parentheses.

(See http://www.plagiarism.org/plag_article_how_do_I_cite_sources.html for more information on citing.)

If you are uncertain about the expectations for completing an assignment or taking a test or examination, be sure to seek clarification from your professor beforehand.

Finally, you should keep in mind that as a member of the Three Rivers Community College community, you are expected to demonstrate integrity in all of your academic endeavors and will be evaluated on your own merits.

Be proud of your academic accomplishments and help to protect and promote academic integrity. The consequences of cheating and academic dishonesty may include a formal discipline file, possible loss of financial scholarship or employment opportunities, and denial of admission to a four year college.