Course Title: Architecture + Design Drawing 2 : Design Communication

Units: 2

Total Semester Hours Lecture: 16 Lab: 48 Homework: 0 By Arrangement: 32

Faculty Load Credit (To be completed by Division Office; show calculations.):
16/16 + .7*48/16 = 3.1 FLC

1. Prerequisite (Attach Enrollment Limitation Validation Form.)
   Arch 120 or equivalent

2. Corequisite (Attach Enrollment Limitation Validation Form.)

3. Recommended Preparation (Attach Enrollment Validation Form.)

4. Catalog Description (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)

   Minimum of 16 lecture and 48 lab hours plus 32 hours by arrangement per term. Prerequisite: Arch 120 or equivalent. Basic techniques used in the graphic communication of architects and environmental designers. Develops the student’s ability to visualize and graphically express forms and spaces in two and three dimensions. Use of orthographic, paraline, and perspective drawing in both black/white and color media. Introduction of digital media to create 3-D model. Use of essential principles of pictorial space, methods of delineation, and mixed media techniques. Graphic supplies required. (Spring only) (AA, CSU, UC)

5. Class Schedule Description (Include prerequisites/corequisites/recommended preparation. For format, please see model course outline.)

   Basic techniques used in the graphic communication of Architects and environmental designers. Develops visualization and graphic expression of forms and spaces in two and three dimensions. Use of orthographic, paraline, and perspective drawing in black/white and color media. Introduction to digital media to create 3-D model. Graphic supplies required. Plus minimum of 32 hours by arrangement per term. Prerequisite: Arch 120 or equivalent. (Spring only) (AA, CSU, UC)
6. **Student Learning Outcomes** (Identify 1-6 expected learner outcomes using active verbs.)

   Upon successful completion of the course, the student will be able to:

   Produce freehand drawings of observed objects/building elements using contour and full tone and using the fundamentals of one and two point perspective.

   Develop plan, elevation and section views of an architectural subject using orthographic projections and essential architectural conventions to scale.

   Read multiview drawings and interpret graphic language into pictorial drawing (axonometric).

   Develop Paraline drawings: Axonometric and Elevation Oblique or Plan Oblique, to scale.

   Produce a 3-D computer model of an object.

   Produce Presentation drawings using color, mixed media, and digital rendering techniques in the communication of architecture.

7. **Course Objectives** (Identify specific teaching objectives detailing course content and activities. For some courses, the course objectives will be the same as the student learning outcomes. In this case, “Same as Student Learning Outcomes” is appropriate here.)

   Same as student learning outcomes

8. **Course Content** (Brief but complete topical outline of the course that includes major subject areas [1-2 pages]. Should reflect all course objectives listed above. In addition, a sample course syllabus with timeline may be attached.)

   Overview of types of Drawings and Graphic communication;

   Contour drawing, Tone & Texture;

   Perspective Drawing: 1 & 2 point, space and depth cues;

   Orthographic Drawing: Plan, Elevation and Section to scale;

   Multiview Drawings: Reading plan and elevations and interpreting into axonometrics;

   Paraline Drawing: Axonometric and Elevation Oblique or Plan Oblique, to scale;

   Intro to 3-D modeling application;

   Presentation drawing: Use of color, mixed media and digital rendering techniques in the communication of architecture.

9. **Representative Instructional Methods** (Describe instructor-initiated teaching strategies that will assist students in meeting course objectives. Describe out-of-class assignments, required reading and writing assignments, and methods for teaching critical thinking skills. If hours by arrangement are required, please indicate the additional instructional activity which will be
provided during these hours, where the activity will take place, and how the activity will be supervised.)
The semester's work is divided between instruction and assignments to be completed in class. Instruction is structured to help the student understand the intent and expected results of the drawings produced. Lectures include presentation of graphic examples, techniques and methods. Assignments provide an ongoing check of student/class progress and competency.

10. **Representative Methods of Evaluation** (Describe measurement of student progress toward course objectives. Courses with required writing component and/or problem-solving emphasis must reflect critical thinking component. If skills class, then applied skills.)

   Effort, participation, and improvement.
   Appraisal of student’s in-studio work.
   Graded drawing assignments.
   Final review and critique.

11. **Representative Text Materials** (With few exceptions, texts need to be current. Include publication dates.)


Prepared by:  

(Signature)

Email address:  yahnj@smccd.edu

Submission Date:  

__________________________________________