

# Design 202 Graphic Thinking for Designers

3 Credit Hours

Department of Industrial, Interior and Visual Communication Design

**Course Details** Instructor:  
Quarter:  
Time:

**Instructor Contact** Office:  
Office Hours:  
Email: Phone:

**Course Description** Introduction to drawing as a design tool in the context of Industrial, Interior and Visual Communication Design. Emphasis will be placed in sketching and drawing to explore, analyze and communicate design concepts and design processes.

**Objective** To develop skills in thinking assisted by drawing and sketching. To develop individual techniques to explore, analyze, formulate, reconfigure and communicate the design ideas.

**Context** This is the second design communication course and builds upon media, processes, techniques and skills developed on the preceding course.

**Format** This is a progress-oriented course that requires active student participation. The class will meet 3 days per week for 1 hour each day. Class sessions will be comprised of lectures, demonstrations, and assignments. An equal balance between theory and application is expected. Students will be expected to provide their own drawing materials. This course will provide the student with a project-based application to drawing skills previously learned.

**Learning Out come** The student will develop fluency in their sketching and drawing. They will develop an understanding of the role of drawing in problem formulation, decision making, design development and communication processes.

**Course Content** Design development through layers  
Linear perspective  
Structural Drawing  
Perspective grids  
Rotating objects  
Shifting viewpoints  
Changing scales

**Text** Required: Ching, Francis. *Design Drawing* Van Nostrand Reinhold, New York, 1998

- Requirements** The following are expected of all students in the course:
- Attendance is mandatory. Any unexcused absences may result in a lowering of your grade. Contact the instructor if you will be late or absent (contact information is found above).
  - Students will be expected to come to class prepared, work diligently, and do their absolute best in all projects and presentations.
  - Class participation in critiques and presentations is essential.
  - All work must be completed by the scheduled due date
  - Maintaining a sketchbook focusing on objects or spaces related to their weekly assignments

- Grading** Students grades will be based on the following factors:
- Commitment and effort
  - Class work and participation
  - Project exploration
  - Communication clarity

Each drawing assignment is worth 16 points; the midterm is worth 50 points; the sketchbook is worth 100 points; active participation in critiques is worth 20 points  
Grade distribution is as follows:

418-442 – A;	400-417 – A-	
380-399 – B+;	365-379 – B;	355-364 – B-
340-354 – C+ ;	320-339 – C;	310-320 – C-
290-309 – D+;	270-289 – D	
Less than 270 - E		

Assignments turned late without instructor's previous permission will not be accepted. The final grade will be a product of the mean value of the individual assignments in addition to the instructor's assessment of work, craftsmanship, quality, progress and commitment. Any absences not called in will be considered unexcused.

**Special needs** If you need accommodation based on the impact of a disability you should contact the Office for Disability Services for assistance in verifying the need for accommodation and developing accommodation strategies. You are encouraged to contact them directly at 614-292-6207, 292-0901TDD or email: [ada-osu@osu.edu](mailto:ada-osu@osu.edu) and notify the instructor.

**Materials:** Mechanical pencils HB, H series led  
30-60 and 45 degree triangles

Erasers, eraser shield  
Quality compass, pens  
Tracing paper

**Academic Misconduct** Academic Misconduct is defined as “any activity which tends to compromise the academic integrity of the institution, or subvert the educational process.” Please refer to rule 3335-31-02 in the student code of conduct for examples of academic misconduct. Any cases of academic misconduct will be referred to the Committee on Academic Misconduct (see <http://oaa.osu.edu/coam/home.html>)

**Escorts** Escort services for evening courses are available by calling 292-3322

### Course Schedule

Week 1	Topic	Paraline drawings as a means for form manipulation Drawing Assignment 1: Subdivide a square through the use of three segments and study the three-dimensional possibilities of that projection by way of paraline drawings (orthographics and axonometric projections) Orthographic views, manipulation of form on orthographic projections Layered manipulations extrude and subtract (outside cube vs. inside cube) materials: pencil or pen on tracing paper Drawing Assignment 2: Communication of transformation through axonometric projections
Week 2	Topic	Linear perspective, one point, two point perspective Reading Ching: Chapter 8, Pages 201-227 Drawing Assignments 3 and 4 Communication of new “cube” configuration in one point perspective and two point perspective
Week 3	Topic	Structural Drawing- Building on geometry Reading Ching: Chapter 3, Pages 66-79 Drawing Assignment 5-6, Exercises 3-2 and 3-3 pp 71
Week 4	Topic	Structural Drawing Reading Ching: Chapter 3, Pages 66-79 Drawing Assignment 7-8, Develop exercise 3-9 pp 79 through an additive process, change the angle and develop a drawing of the same object through a subtractive process
Week 5	Topic	Conceptual Drawing Reading: Chapter 9, Pages 263-287 Drawing Assignment 9: Exercises 9-1 to 9-6 pp 267, 269 Drawing Assignment 10: Transformation Sequences Exercises 9-14 to 9-18, pp. 279-281 Ching <b>Midterm project</b>
Week 6		Understanding the observer in the scene, shifting view points Drawing Assignment 11: Extending the scene beyond the photograph of an interior space (2pt perspective)

		Drawing Assignment 12: Design intervention of the interior space (from previous assignment)
		Drawing Assignment 13: Move observer (or camera angle) to depict the same space (change the 2pt to 1 pt, and move the observer closer to the scene)
Week 7	Topic	Rotating objects and changing scales Drawing Assignment 14: 9-20, 9-21 Ching pp 285 Drawing Assignment 15: 9-22, 9-23 Ching pp 287 Midterm project
Week 8	Topic	Perspective Grids One Point Readings Chapter 8, Pages 229-236 Drawing Assignment 16: Draw a space in the building using a one point perspective grid: sketch floor plan and dimensions in your sketchbook
Week 9	Topic	Perspective Grids Two Point Readings Chapter 8, Pages 229-236 Drawing Assignment 17: Draw a space in the building using a two point perspective grid: sketch alternative view points in your sketchbook
Week 10	Topic	Documentation