

Design 201 Descriptive and Analytical Drawing for Designers

3 Credit Hours

Department of Industrial, Interior and Visual Communication Design

Course Details	Instructor: Quarter: Time: Office # Hours: Email: Phone:
Course Description	Introduction to freehand drawing as a skill to communicate characteristics of a represented subject as it pertains to Industrial, Interior and Visual Communication Design. Emphasis will be placed on observational drawing as a tool to record, analyze and communicate information about natural and man-made subjects.
Objective	Skill-building in seeing, perceiving and depicting man-made and natural objects; To develop individual techniques to explore, observe, understand, record, analyze and communicate information about a particular subject from a design perspective.
Context	This is the first of a series of three courses that prepares the design student to develop skills in visual thinking, problem solving and communication of design ideas.
Format	This is a progress-oriented course that requires active student participation. The class will meet 3 days per week for 2 hours 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. Students will sometimes meet as a group at a location consistent with the drawing exercise .
Learning Outcomes	At the end of the course, the student will have developed fluency in representational techniques in the context of Industrial, Interior and Visual Communication Design. He/she will be able to identify and manipulate drawing techniques in order to support the communication objectives of their representation. He/she should be able to isolate information and focus on specific areas of interest for exploration, study or for others to interpret through the use of freehand drawing.
Course Content	Techniques and applications of drawing Lines and line quality used to depict edges and contours of form Cross contour drawing for surface description Positive and negative space as formal/compositional technique Light and shade values as tools to represent textures, materials and 3D form

Texts Required: Ching, Francis. Design Drawing, Van Nostrand Reinhold, New York, 1998
Suggested: Edwards, Betty. Drawing on the Right side of the Brain, Penguin Putman Inc, New York 1988

Media Bristol board paper, 11x 14 tracing paper, H pencils, B pencils, drawing pens

Requirements The following are expected of all students in the course:

- Attendance is mandatory. Any unexcused absences after 2 may result in a lowering of your grade by a letter. 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 final presentations is essential.
- All work must be completed by the scheduled due date

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 25 points; the midterm is worth 100 points; the final exam is worth 100 points; active participation in critiques is worth 20 points each. Grade distribution is as follows:

415-440 – A;	400-414 – 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 in 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 and notify the instructor.

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 Topics The visual system; the sense of sight
 Drawing types
 Freehand lines, parallel lines, upside down drawings
 Blind contour drawing, contour drawing
 Readings : Ching: Introduction, Chapter 1, pages 1-22
 Drawing assignment 1: Contour drawing Bicycle (section)
 Objective: to communicate details of parts, assembly, material and form with the use of freehand lines
- Week 2 Topics Drawing tools and materials
 Lines and line quality, shape, contours and cross-contours
 Readings : Ching: Chapter 1, pages 22-38
 Drawing assignment 2: Capturing the movement of a hand
 Objective: to communicate characteristics of form and motion.
 Drawing assignment 3: Cross contour of an object.
 Objective: Explore and represent the volumetric form of a natural object and an industrial (designed and manufactured) object. Through the use of freehand lines, communicate the formal characteristics of the surface
- Week 3 Topics Drawing tools and materials
 Lines and line quality, shape, contours and cross-contours
 Readings: Ching: Chapter 1, pages 22-38
 Drawing assignment 4: Positive-negative shapes
 Objective: to communicate an industrial design by suggesting it instead of directly depicting it. To understand shapes within shapes, formal reference and how to allow a viewer to complete an implied image
- Week 4 Topics Tone and texture
 Readings: Ching: Chapter 2, pages 39-63
 Drawing assignment 5: Tonal values

Objective: to communicate the three-dimensional qualities of a linear representation of an object /space. To communicate materials' characteristics through the use of tonal values

- Week 5 Topics Spatial relationships
Structures and forms
Readings: Ching: Chapter 3, pages 65-79
Drawing assignment 6: (midterm assignment)
Objective: To communicate a visual study of a natural object. Develop a series of drawings in a composition that communicates information regarding form, size, materials, structure, texture, function and environment, through freehand drawings
Midterm critique
- Week 6 Analytical drawings
Midterm assignment due
- Week 7 Topic Space and depth and scale
Readings: Ching: Chapter 4, Pages 82-100
Drawing assignment 6: Drawing of a public space
Objective: to communicate depth and relative scale, not absolute dimensions.
- Week 8 Topic Drawing structure
Readings: Ching: Chapter 4, Pages 100-109
Drawing assignment 7: 20 objects composition
Objective: To develop a strategy for organizing sequence and content in a drawing, in order to clearly communicate intent
- Week 8 Topic Composition and communication
Final drawing project: Compositional drawing
Objective: To communicate a visual study of a man-made designed object. Develop a series of drawings in a composition that communicates information regarding form, size, materials, structure, texture, function and environment, through freehand drawings
- Week 9 Putting it all together
Communication and documentation
- Week 10 Documentation
Final critique
- Week 11 **Final exam**