

INTD-1101: HAND DRAFTING AND SKETCHING FOR INTERIORS

Cuyahoga Community College

Viewing: INTD-1101 : Hand Drafting and Sketching for Interiors

Board of Trustees:

May 2024

Academic Term:

Fall 2024

Subject Code

INTD - Interior Design

Course Number:

1101

Title:

Hand Drafting and Sketching for Interiors

Catalog Description:

Introduction to hand drafting and field sketching for interior design. Emphasizes identification of basic construction and field terminology, use of field equipment, and the application and interpretation of construction documents. Provides a foundation in using hand drafting tools and translating field sketches to working drawings.

Credit Hour(s):

3

Lecture Hour(s):

1

Lab Hour(s):

6

Requisites

Prerequisite and Corequisite

INTD-1111 Introduction to Interior Design, or concurrent enrollment.

Outcomes

Course Outcome(s):

Analyze an interior space to determine appropriate measurements needed to create working drawings.

Essential Learning Outcome Mapping:

Critical/Creative Thinking: Analyze, evaluate, and synthesize information in order to consider problems/ideas and transform them in innovative or imaginative ways.

Objective(s):

1. Calculate square footage.
2. Estimate and measure the distance, length, and height of an interior space.
3. Record measurements on scaled floor plans and elevation sketches.

Course Outcome(s):

Utilize field measuring tools.

Objective(s):

1. Demonstrate the appropriate use of a tape measure.
2. Demonstrate the appropriate use of a level.

Course Outcome(s):

Utilize hand drafting tools.

Objective(s):

1. Demonstrate appropriate use of a drafting board, T-square, triangles, templates, erasers, eraser shields, rulers, architectural scale, papers, drafting brush, and technical pencils and pens.
2. Identify proper tools to use for different drawing techniques.

Course Outcome(s):

Apply hand drafting techniques.

Objective(s):

1. Demonstrate proper technique in developing working drawings acceptable for non-structural permit application and/or client presentation.
2. Practice architectural lettering
3. Demonstrate proper dimensioning and annotations.
4. Practice hand drafting construction documents and drawings from sketches and measurements.

Course Outcome(s):

Interpret construction documents.

Objective(s):

1. Recognize architectural symbols.
2. Explain the format of a set of architectural drawings.
3. Recognize architectural elements.
4. Define and utilize basic construction and architectural terminology.

Course Outcome(s):

Create two and three-dimensional sketches and drawings.

Objective(s):

1. Translate two-dimensional drawings and sketches into three-dimensional drawings and sketches.
2. Translate three-dimensional space into two-dimensional drawings and sketches.
3. Represent various interior elements in sketch format.
4. Demonstrate freehand sketching of bubble diagrams and adjacencies.

Methods of Evaluation:

1. Sketchbook
2. Drawing Assignments
3. Quizzes
4. Final Examination

Course Content Outline:

1. Development of floor plans for working drawings
 - a. Line weight
 - b. Line types
 - c. Scaled sketches – Translating room sizes to structural dimensions
 - d. Wall thicknesses and partitions
 - e. Dimensions, symbols, and notations
 - f. Object representations, details, and furniture representation and placement
 - g. Representation of materials and finishes
2. Development of foundation or basement plans for working drawings

- a. Representation of materials and finishes
- b. Relationship of foundation or basement plan to the floor plan
- 3. Development of elevations from floor plans
 - a. Representation of materials and finishes
- 4. Sketching and freehand drawing
 - a. Bubble diagrams and adjacencies
 - b. Perspective
 - c. Details
- 5. Field measurements
 - a. Conversion – Feet to Inches and Inches to Feet
 - b. Tape measure
 - c. Architectural Scale
- 6. Site analysis
 - a. Site photos
 - b. Documentation
- 7. Architectural Lettering
 - a. Consistency in type
 - b. Consistency in width
 - c. Guidelines
- 8. Use of hand drafting tools
 - a. Triangles
 - b. T-square
 - c. Templates
 - d. Erasers and eraser shields
 - e. Pens
 - f. Drawing pencils
 - g. Technical pencils
 - h. Drafting Paper
 - i. Trace Paper
 - j. Architectural Scale

Resources

Cavataio, S. Christine. (2012) *Manual Drafting for Interiors*, Hoboken:Wiley & Sons.

Kingsley, Diana Bennett Wirz and Jeane Diehl-Shaffer. (2020) *Hand Drafting for Interior Design*, New York: Fairchild Publications.

Ching, Francis D.K. (2023) *Architectural Graphics*, Hoboken: Wiley & Sons.

Kilmer, W. Otie., and Rosemary Kilmer. (2021) *Construction Drawings and Details for Interiors: Basic Skills*, New York: Wiley & Sons.

Ching, Francis D.K. (2020) *Building Construction Illustrated*, Hoboken: Wiley & Sons.

Top of page

Key: 2401