

ID A220: INTERIOR DESIGN CONSTRUCTION DOCUMENTS

Item	Value
Curriculum Committee Approval Date	03/13/2019
Top Code	130200 - Interior Design and Merchandising
Units	3 Total Units
Hours	90 Total Hours (Lecture Hours 36; Lab Hours 54)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

A drafting course emphasizing the legal nature and scope of construction drawings, specifications, codes, products, materials, and equipment used for interior design projects. PREREQUISITE: ID A110 and ID A130 or concurrent enrollment. ADVISORY: ID A215. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Communicate the technical requirements of a project through a combination of written and graphic formats, producing a comprehensive set of industry-standard working drawings for use by Designers, Architects, Engineers, Contractors, and clients.

Course Objectives

- 1. Demonstrate mastery of drafting skills and use of tools and equipment.
- 2. Understand the relationship and organization of working drawings.
- 3. Arrange and prepare all required project drawings and information into a complete set of working drawings.
- 4. Understand how to prepare drawings as the primary designer and as a consultant to an Architect.
- 5. Recognize the level of detail required for coordination with Electrical, Mechanical, Plumbing and Structural Engineers.
- 6. Communicate the type of information coordination required to submit drawings to the building department for the plan check process.
- 7. Demonstrate an understanding of the purpose, content and relationship of construction documents by completing worksheets and written tests and quizzes.

Lecture Content

Drafting Techniques Tools and instruments Line types and graphical imagery Lettering and drawing with instruments CAD standards Project Development Analysis Zoning and building code Owner/client desires Contract documents/legal liability Construction Documents Types of drawing views Plan, elevation, and section views Working drawings and their characteristics, symbols, and objectives Specifications and contract

forms Related Project Cover Sheet Project Data Code/Occupancy Information Coordination symbols Site Plan/Means of Egress plan Floor plan/Construction Plan Layout and finishes Dimensioning Coordination symbols Plumbing systems, fixtures, and symbols Power Communication Plan Layout of power/data/communication outlets Dimensioning Equipment schedules legends Reflected Ceiling Plan Layout of ceiling elements including lighting and exit signage Dimensioning Ceiling heights, details legends Wall Floor Finish Plans Specifications Material legend symbols Furniture Plan Layout of furnishings Coordination of power communication items Coordination with furniture consultants Interior Elevations Views and Finishes Cabinetry/Millwork, materials details Restrooms Door Window Schedule Door window types Door window numbering systems Hardware types Interior Details Wall types Ceiling Details Millwork sections Specialty items

Lab Content

Related Project Plan Development with Instructor and Peers> Research, compare and select appropriate content for the following areas of study.

Prepare a cohesive and complete set of interior design construction documents. Project Development Analysis Zoning and building code Owner/client desires Construction Documents Plan, elevation, and section views Specifications and contract forms Project Data Code/ Occupancy Information Site Plan/Means of Egress plan Floor plan/ Construction Plan Layout and finishes Dimensioning Plumbing systems, fixtures, and symbols Power Communication Plan Layout of power/data/ communication outlets Dimensioning Equipment schedules legends Reflected Ceiling Plan Layout of ceiling elements including lighting and exit signage Dimensioning Ceiling heights, details legends Wall Floor Finish Plans Specifications Material legend symbols Furniture Plan Layout of furnishings Coordination of power communication items Interior Elevations Views and Finishes Cabinetry/Millwork, materials details Restrooms Door Window Schedule Door window types Door window numbering systems Hardware types Interior Details Wall types Ceiling Details Millwork sections Specialty items

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- DE Online Lecture (02X)
- Lab (04)
- DE Live Online Lab (04S)
- DE Online Lab (04X)

Instructional Techniques

Lecture, demonstration, laboratory, critique (instructor/student), multimedia, research, and student presentation.

Reading Assignments

Students will be expected to complete reading assignments from the required text, printed hand-outs, library resources, and research online articles throughout the course. 1 hour/week

Writing Assignments

Produce a detailed set of construction drawings including cover sheet, site plan, construction plan, reflected ceiling plan, power communication plan, wall and floor finish plans, furniture plan, interior elevations, sections and details. (16 hours outside of lab time) Prepare written instructions, notes, schedules specifications to be included in a set of contract documents. (4 hours outside of lab time)

Out-of-class Assignments

Students will perform additional research and complete a series of presentations and projects throughout the course. Out of Class assignments are used to improve skills and knowledge to be applied to projects and assignments. Weekly reading assignments 1/hour week
Revision of lab assignments/projects 1 hour/week Create portfolio of semester work 1/2 hour week Preparation for quizzes 1/2 hour/week

Demonstration of Critical Thinking

Student projects, class presentations, research, examinations, student participation, and attendance.

Required Writing, Problem Solving, Skills Demonstration

Produce a detailed set of construction drawings including cover sheet, site plan, construction plan, reflected ceiling plan, power communication plan, wall and floor finish plans, furniture plan, interior elevations, sections and details. Prepare written instructions, notes, schedules specifications to be included in a set of contract documents.

Eligible Disciplines

Interior design: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Ching, Francis D.K. . Building Construction Illustrated, 5th ed. New York: John Wiley Sons, 2014 Rationale: .