

EID 471 COURSE SYLLABUS

Class meeting time: MW 9:30 – 12:30
Office hours: MW 12:30 – 1:30 & by appointment

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COURSE DESCRIPTION

EID 471 Commercial Design Studio (4cr) - This capstone studio course focuses on the execution of a complex commercial project from design concept to construction details, and serves as a bridge between academic and professional practice. As a culmination of everything learned in previous courses, the semester-long project will demand a thorough understanding and application of problem-solving skills, technical knowledge, theory, and research. Project deliverables will incorporate oral, written, and various graphic presentation formats.

COURSE FORMAT

Class meets twice a week, during which student will work exclusively on their design projects. To reflect the nature of professional practice, students will work in teams, although each individual student should produce a full set of deliverables. Because of the intensive nature of the studio, delegation of responsibilities, project organization, and effective time management will be crucial to the completion of the project. There are three milestones during the course of the semester: Conceptual Design review (preliminary), Schematic Design review (interim), and Design Development review (final). The objective of the course is to design a complex commercial building interior, and produce a comprehensive presentation package.

COURSE LEARNING OUTCOMES

Students should be able to:

- Recognize and design for the specific needs and requirements of a complex commercial project
- Conduct effective and appropriate research as part of the design process
- Demonstrate command of a wide range of professional skills: design methods, professional ethics, cultural sensitivity, business principles, teamwork, project organization, time management
- Work optimally and effectively within legal, code, budget, site, and client parameters, as well as within applicable standards and guidelines
- Communicate a thoughtful and thorough design concept and rationale through oral, written, and various visual media

REFERENCES

Specifications for Commercial Interiors, S.C. Reznikoff
Designing Commercial Interiors, C. Piotrowski & E. Rogers
Interior Graphic Standards, C. Binggeli & P. Greichen
Illustrated Codes for Designers, K. Ankerson
ADA Handbook, Dept of Justice

EVALUATION CRITERIA

- evidence of understanding client's needs and articulation of response
- quality and creativity of design work
- thoroughness and craft in presentation
- technical proficiency
- contribution of ideas and engagement in class
- willingness to experiment and to challenge yourself
- visual, oral, and written communication skills
- ability to collaborate effectively and respectfully
- organization
- rigor
- professional demeanor

GRADING

Conceptual Design deliverables	30%
Schematic Design deliverables	20%
Design Development deliverables	50%

GRADING SCALE

- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%
- D = 65 – 69%
- F = 64% and below

EID PROGRAM OUTCOMES

1) Professionalism – understand, apply and participate in ethical design practices on a personal, project, peer and industry-wide level. *(CIDA 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14)*

2) Process – ability to identify problems/challenges and demonstrate an understanding of the complete design process from inception to installation, execute documentation supporting design decisions and effect comprehensive, creative, focused and functional design solutions. *(CIDA 4, 6, 9, 10, 11, 12, 13, 14)*

3) Principles & Priorities – integration of pedagogy, research, historic contexts, theory, and interdisciplinary collaboration to effectively and creatively analyze, evaluate and execute best design practices resulting in functional and aesthetically inspiring design. *(CIDA 2, 3, 4, 5, 6, 8, 9, 10, 12, 13, 14)*

4) Public & Environmental Protection – demonstrate an understanding of the concepts, resources and implications of design decisions relative to the human interaction, technological impact and ecological balance of the built environment. *(CIDA 2, 3, 4, 7, 8, 10, 12, 13, 14)*

5) Presentation – demonstrate ability to communicate design concepts and problem solving justifications through written, oral and a variety of visual media. *(CIDA 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14)*

DELIVERABLES (CUMULATIVE)

Conceptual Design (preliminary):

- Precedent studies
- Project background research
- Client profile
- Programming analysis
- Ideation sketches and exploration process
- Spatial analyses
- Inspiration/concept board
- Conceptual materials/color board
- 1:500m site plan

Schematic Design (interim):

- 1:100m floor & roof plans
- 1:100m building sections
- 1:100m exterior elevations
- Schematic materials boards

Design Development (final):

- 1:100m reflected ceiling & lighting plans
- 1:100m electrical plans
- 1:25m interior elevations (TBD)
- 1:10m wall types
- Selected construction or furniture detail
- Furniture layout & specifications
- FFE layout & specifications
- Materials & finishes layout & specifications
- Sustainable features specifications
- Massing model showing exterior façade & roof design
- 3D renderings of major or thematic interior spaces
- Materials boards for major or thematic spaces
- Research binder
- Project binder

BINDER FORMAT

Appropriate ring size

Dividers for each section

Cover & binding identification (graphic)

Table of contents

Project and student names to appear on all sheets

EID 471 COURSE SCHEDULE

Week #01:

M 1/11 - Course overview; cultural awareness exercise; group assignments; project schedule
W 1/13 - Precedent studies; Client contact; Codes research

Week #02:

M 1/18 - Martin Luther King Day [holiday]
W 1/20 - Precedent studies

Week #03:

M 1/25 - Site analysis; Programming analysis
W 1/27 - Site analysis; Programming analysis

Week #04:

M 2/01 - Ideation, Conceptual design exploration
W 2/03 - Ideation, Conceptual design exploration

Week #05:

M 2/08 - Spatial analyses; Conceptual materials/colors
W 2/10 - Spatial analyses; Conceptual materials/colors

Week #06:

M 2/15 - President's Day [holiday]
W 2/17 - Conceptual Design Review

Week #07:

M 2/22 - Conceptual design revisions
W 2/24 - Conceptual design revisions

Week #08:

M 3/01 - Develop plans, sections, elevations
W 3/03 - Develop plans, sections, elevations

Week #09:

M 3/08 - Develop plans, sections, elevations
W 3/10 - Develop plans, sections, elevations

Week #10:

M 3/15 - Presentation preparation
W 3/17 - Schematic Design Review

Week #11:

3/22–3/26 - Spring Break (SD revisions)

Week #12:

M 3/29 - RCPs, lighting, electrical

W 3/31 - RCPs, lighting, electrical

Week #13:

M 4/04 - Interior elevations; FFE layout

W 4/06 - Interior elevations; FFE layout

Week #14:

M 4/12 - Specifications

W 4/14 - Specifications

Week #15:

M 4/19 - Wall types; Construction/furniture detail

W 4/21 - Wall types; Construction/furniture detail

Week #16:

M 4/26 - Presentation preparation

W 4/28 - Presentation preparation

Week #17:

W 5/04 11:00–1:00 – Final Project Presentations

Th 5/05 11:00–1:00 – Final Project Presentations