Catalog Course Description:

Complex problems utilizing systematic design methodology and CAD applications to design health care, office and historic preservation/adaptive use projects.

Entry Level Standards:

The student entering this course must have CAD skills and intermediate-level design skills.

Prerequisites:

IDT 1400, 1500, RCS 1200

Textbook(s) and Other Reference Materials Basic to the Course:

Required:
- Reznikoff, *Specifications for Commercial Interiors.*

Optional:
- Kirkpatrick, *AutoCAD for Interior Design and Space Planning.*
- DeChiara and Callender, *Time-Saver Standards for Building Types.*
- DeChiara and Callender, *Time-Saver Standards for Interior Design and Space Planning.*

Materials:
To be discussed in class - as needed throughout semester

I. Week/Unit/Topic Basis:

<table>
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<th>Week</th>
<th>Topic</th>
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| 1    | Introduction, Course Objectives, Review, etc.  
ASSIGN LITERATURE SEARCH: OFFICE and HEALTHCARE DESIGN  
Lecture: New trends in Officing |
| 2    | ASSIGN PROJECT #1  
Lecture: Programming and Design for Offices  
FIELD TRIP: Corporate Office Building |
| 3    | LITERATURE SEARCH DUE  
Lecture: Schematic Design Methods, Systems Furniture, Custom Casework  
FIELD TRIP: Woodworking Shop |
| 4    | PROJECT #1 DUE |
ASSIGN PROJECT #2
Lecture: Specifying Finish Materials for Commercial Spaces

FIELD TRIP: Steelcase Showroom

Lecture: Specifying Finish Materials for Commercial Spaces
Work on Project #2

PROJECT #2 DUE
ASSIGN PROJECT #3
FIELD TRIP: Medical Facility

Work on Project #3

Preliminary Schematic Drawings DUE – Project #3
Begin Design Development

Loose Material Samples, Preliminary Specifications DUE
Lecture: Office Lighting, Reflected Ceiling Plan

Design Development DUE – Project #3

Final Floor Plans DUE, all drawing to be 50% complete
Reflected Ceiling Plans, Elevations, 3-D

Drawings 75% Complete – Desk Check

Develop Board Presentations – Project #3

PROJECT 3# DUE
Final Presentation

Note: Schedule is tentative and will be adjusted as deemed necessary by the instructor; all due dates will be announced in class; if absent from class, students are responsible for getting schedule from peers prior to the next class meeting.

II. Course Objectives*:

A. Effectively utilize and demonstrate knowledge of the appropriate needs and requirements for a Commercial interior. I, II, III, IV, V, VI

B. Apply ADA guidelines as well as other handicapped accessibility requirements in the design of commercial spaces. I, II, III, IV, V

C. Execute a design problem using both manual and computer-aided drafting. I, II, III, IV

D. Design commercial spaces using appropriate materials and other applicable furnishings, fixtures and equipment. I, II, VI

E. Exhibit an understanding of the appropriate finishes used in commercial design. I, II, IV, V

F. Exhibit a general ability to draw detail drawings as applicable in commercial design. I, II, III, IV

G. Effectively utilize the design process as it relates to commercial interior design. I, II, III
H. Exhibit a general ability to execute one-and two-point perspective. I, II, III

I. Exhibit a general ability to render using various types of color media as well as shade and shadow. I, II, III

J. Execute and understand reflected ceiling plans and other applicable electrical needs in commercial design. I, II, III, IV

*Roman numerals after course objectives reference goals of the IDT program.

III. Instructional Processes*:

Students will:

1. Apply a design presentation methodology in order to communicate design solutions effectively in the design industry. Communication Outcome, Personal Development Outcome, Problem Solving and Decision Making Outcome, Transitional Strategy, Active Learning Strategy

2. Continue to develop a portfolio of work necessary to acquire a position in the interior design field after graduation. Personal Development Outcome, Transitional Strategy

3. Apply research methodology using the internet, manufacturer’s sources available through CD-rom, as well as ERC sources. (Technological Literacy Outcome, Information Literacy Outcome, Transitional Strategy, Active Learning Strategy)

4. Develop a professional work ethic by regularly attending class, being punctual, cooperating with fellow classmates and showing a positive attitude. Personal Development Outcome, Transitional Strategy

5. Complete assignments requiring application of learned theories. Problem Solving and Decision Making Outcome, Technological Literacy Outcome

6. Analyze and apply current trends, methods, processes, equipment and to cultural and social status. Problem Solving and Decision Making Outcome, Cultural Diversity and Social Adaptation Outcome, Information Literacy Outcome, Transitional Strategy

7. Engage in collaborative activities working in team settings to complete required assignments. Communication Outcome, Personal Development Outcome, Problem Solving and Decision Making Outcome, Transitional Strategy, Active Learning Strategy

Apply CAD software and required computer hardware currently being used in the industry when applicable. Personal Development Outcome, Problem Solving and Decision Making Outcome, Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy

8. Develop presentation skills, both visual and verbal, by presenting design ideas and solutions. Communication Outcome, Personal Development Outcome, Problem Solving and Decision Making Outcome, Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy

9. Develop time management skills in order to complete required lab work on time in a professional manner. Personal Development Outcome, Problem Solving and Decision Making Outcome, Transitional Strategy
11. Develop presentation skills, both visual and verbal, by presenting design ideas and solutions. Communication Outcome, Personal Development Outcome, Problem Solving and Decision Making Outcome, Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy

12. Learn appropriate technologies. Technological Literacy Outcome

13. Use critical thinking to solve problems in team situations to promote idea sharing. Problem Solving and Decision Making Outcome, Active Learning Strategy

14. Engage in teamwork to facilitate cooperative learning. Active Learning Strategy

15. Read assigned essays and participate in class discussion. Communication Outcome, Active Learning Strategy

16. Use related equipment and tools. Problem Solving and Decision Making Outcome, Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy

*Strategies and outcomes listed after instructional processes reference Pellissippi State’s goals for strengthening general education knowledge and skills, connecting coursework to experiences beyond the classroom, and encouraging students to take active and responsible roles in the educational process.

IV. Expectations for Student Performance*:

Upon successful completion of this course, the student should be able to:

1. Exhibit a comprehensive understanding of commercial design for office/corporate-, hospitality-, and special environments. A, B, C, D, E, F, G

2. Exhibit a general knowledge of the applicable codes, standards, ADA requirements and finishes pertaining to commercial settings. A, B, D, E

3. Utilize CADD for interior design problem solving and presentation. C, F, G

4. Execute manual drafting techniques for interior design problem solving and presentation. C, F, G

5. Understand and be able to execute floor plans, elevations, sections, details, reflected ceiling plans and perspectives. A, C, D, F, G

6. Exhibit a knowledge of furniture, fixtures, and equipment (FF&E) to effectively write specifications for commercial settings. A, E

7. Orally and graphically present a design solution. C, F, G, H, I, J

*Letters after performance expectations reference the course objectives listed above.

V. Evaluation:

A. Testing Procedures:

   N/A

B. Laboratory Expectations:

   This course is primarily a laboratory course. Lecture time will be spent explaining the various
principles and standards required for professional quality graphics. The student's laboratory
time will be spent applying these principles to create specific drawings on the computer. It is
not intended that the time required to complete projects fit within the scheduled class or lab
period.

C. Field Work:

N/A

D. Other Evaluation Methods: 100% of grade

Literature/Design Research: 10% of grade
Research will be required for preliminary information before you begin the design
projects. These exercises will account for 10% of your final grade.

Projects: 90% of grade
A detailed description of each project will be given and the majority of the work for each
project MUST be done in class. Many of the projects will have intermediate turn-ins in order
to "stay on-track." All design work must be your own original work. These three design
projects will account for 90% of your final grade. The actual breakdown is as follows:

Project 1……………. 10%
Project 2……………. 15%
Project 3……………. 65%

E. Grading Scale:

Grade Breakdown:
Literature/Design Research 10%
Projects 90%
Total 100%

Grading Scale:
A = 90—100
B+ = 87—89
B = 80—86
C+ = 77—79
C = 70—76
D+ = 67—69
D = 60—66
F = Below 60

VI. Policies:

A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled
instructional activities. As a minimum, students in all courses must be present for at least 75
percent of their scheduled class and laboratory meetings in order to receive credit for the course
(Pellissippi State Catalog). Individual departments/programs/disciplines, with the approval of
the vice president of Academic and Student Affairs, may have requirements that are more
stringent.

IDT 2010 Class Attendance Policy:
Class attendance for the full period is mandatory for all students. A significant portion of each
project phase or aspect must be completed in class in order to receive credit for the work. You
are responsible for all materials and information given during class. In the event of an absence,
information about upcoming classes should be obtained from fellow classmates or the
instructor prior to the next class period.
Attendance will be taken only at the beginning of the class. Parking problems, car problems, babysitter problems, or work scheduling problems do not constitute an excuse for an absence. You will be marked late at five minutes after the class is scheduled to begin. Habitual tardiness may result in the lowering of your final grade, and five tardies will equal one absence. An absence is not an acceptable reason for failing to submit a project or other assignment that is due on the day of the absence. If a test, quiz, reading assignment, project, or exercise is due the next class period following an absence, you are still responsible for it. Two absences are permitted without penalty. Three absences will result in a penalty of one letter grade for the semester, and each additional absence will result in a penalty of one letter grade for the semester.

B. Academic Dishonesty:

In keeping with college-wide policies, the student is expected to adhere to the general rules and regulations relevant to academic and classroom misconduct as outlined in the College Catalog & Handbook.

C. Equipment:

Students are expected to take utmost care when using equipment provided by Pellissippi State. No tobacco use, eating, or drinking will be allowed in labs. Students are not to load unauthorized software on the computers. Do not use floppy disks for CAD drawings in any other computers other than in IDT and CID labs. Students are responsible for maintaining current copies of drawings on their disks. Do not relocate computers, monitors, digitizers or keyboards without supervision by an instructor. Do not copy, delete or move files without instruction by an instructor. IDT and CID labs are structured such that two students share a computer during lab periods.