

# Dakota County Technical College

## IDES 2137: Commercial Studio II

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the interior design of public spaces. The design process will be applied, with emphasis on the design development phase (refining the design concept and focusing on design details) and the contract documentation phase (construction drawings and specifications). Students will continue to address commercial furnishings, lighting and finish materials. Synthesis of design elements and principles, building systems and regulations, sustainable design principles and product application will be used in progressively complex commercial interior design projects.

**B. COURSE EFFECTIVE DATES:** 08/27/2012 - Present

**C. OUTLINE OF MAJOR CONTENT AREAS**

## **D. LEARNING OUTCOMES (General)**

1. Analyze aesthetic requirements
2. Analyze functional requirements
3. Conduct project research
4. Create Prototypes ('Typicals')
5. Create alternate layouts
6. Create bubble diagrams
7. Create preliminary layout
8. Define BOMA standards
9. Define circulation factor
10. Define commercial design
11. Define commercial infrastructure (power, data distribution, HVAC)
12. Define facilities management and tenant improvement
13. Demonstrate handicapped accessibility
14. Develop schematic design concepts
15. Evaluate room/area functions in corporate interiors
16. Identify block diagrams
17. Identify ergonomic seating
18. Identify stacking diagrams
19. Prepare design concept statement
20. Prepare furniture proprietary specification
21. Prepare project schedule
22. Research freestanding office furniture
23. Research furniture systems
24. Sketch perspectives
25. Utilize the design process
26. Define contract documentation
27. Draw demolition plan
28. Draw dimensioned construction plan
29. Draw dimensioned elevations
30. Draw dimensioned section and/or detail
31. Draw freestanding furniture plan
32. Draw furniture system plan
33. Draw power/communication plan
34. Draw reflected ceiling plan
35. Identify addendums, request for quotes and change orders
36. Identify commercial acoustical solutions
37. Identify finish material schedules
38. Identify punch list
39. Identify symbol legends and construction notes
40. Research commercial ceiling designs
41. Research commercial lighting techniques
42. Research commercial occupancy building codes

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted