Department of Human Environmental Studies  Course Number: **DS412**
Course Title: **Design Studio 412**  Revision of HI440/442: **Fall 2008**

I. Catalogue Description and Credit Hours

Space planning of public areas including specialty spaces. Coverage of building codes, finish and furniture schedules and specifications, and completion of professional design projects.  
(3). Requires repeating for (6) total credit hours.

II. Prerequisite(s)

**DS001, DS211, DS220, CM126**

III. Purposes or Objectives of Course

A. Develop an overall understanding of the field of commercial design.
B. Determine appropriate design solutions based on standards and code compliance.
C. Construct usable space planning solutions based on detailed programming information.
D. Specify appropriate finishes and furniture and complete schedules and specifications.
E. Complete and present professional quality projects in office and specialty design and provide peer evaluations of student work.

IV. Expectations of Students

A. Satisfactorily complete class assignments and readings.
B. Satisfactorily complete and present two design projects.
C. Participate in class discussion, activities, and peer evaluation.
D. Satisfactorily complete one written examination.

V. Course Outline or Content

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<td>2. Commercial design specialties</td>
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<td>3. The design process</td>
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<td>4. Understanding the client’s needs</td>
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<th>B. Standards and Code Compliance</th>
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<tr>
<td>1. Standards</td>
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<tr>
<td>a. Standard dimensions for commercial furniture</td>
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<td>b. Standard sizes and clearances for offices, classrooms, and conference rooms</td>
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<td>2. Exiting</td>
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<td>a. Occupancy classifications and egress</td>
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<td>a. Corridor clearances</td>
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b. General clearances
c. Accessible restrooms

C. Space Planning

1. Space Planning Steps
   a. Design program
   b. Criteria matrix and adjacency matrix
   c. Prototypical sketches
   d. Relationship diagrams
   e. Bubble diagrams
   f. Plan revision
   g. Preliminary floorplan

D. Schedules and Specifications

1. Finishes
   a. Product research and ordering of samples
   b. Selection of appropriate finishes
   c. Finish legend and schedule

2. Furniture
   a. Product research
   b. Selection of appropriate furniture
   c. Ergonomics
   d. Furniture specification for bidding purposes
   e. Furniture schedules
   f. Furniture budget

E. Project Emphasis

1. Office
   a. Office and open office

2. Specialty areas
   a. Medical and hospitality

* Total laboratory hours = 90

VI. Textbook(s) and/or Other Required Materials or Equipment


Students are responsible for supplying drafting and project materials, and purchasing illustration media.

VII. Basis for Student Evaluation

A. Class participation and peer evaluations. 5%
B. Class assignments 5%
C. Two design projects 75%
D. One written examination 15%

Note: The weight of the evaluation criteria may vary according to each instructor and will be communicated at the beginning of the course.
VIII. Academic Policy Statement

Students will be expected to abide by the University Policy for Academic Honesty regarding plagiarism and academic honesty. Refer to:

http://www6.semo.edu/judaffairs/code.html

IX. Student with Disabilities Statement

If a student has a special need addressed by the Americans with Disabilities Act (ADA) and requires materials in an alternative format, please notify the instructor at the beginning of the course. Reasonable efforts will be made to accommodate special needs.