



Space Planning



Course Syllabus 215

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Course Objective:

The primary objective of the course is to teach the skills required to produce effective design solutions. The student will study space planning of both commercial and residential installations. However, the emphasis of this class is placed on commercial plans. Primary focus will be on the NCIDQ testing problems used for most professional organizations for advancement to professional standing. This class is intended to teach project phases and deliverables.

The successful student is to demonstrate ability in and comprehension of the following skills during this course:

- Matrixes
- Relationship and bubble diagramming
- Programing
- Furniture placement
- Drafting
- Barrier free design requirements
- Understand and utilize office system
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Summary:

Upon successful completion of the course, the Student will have been exposed to a range of marker techniques and papers along with self-critiquing tricks to assist them in presenting to clients the ideas of design.

Attendance:

Each student may have a total of two absences. However, more than two consecutive class meeting absences or three non-consecutive meeting absences per course may result in the student being withdrawn from that course. Attendance is considered an important habit to acquire in becoming a mature, responsible member of the professional community.

Late Work:

All projects will be turned in for review and evaluation as announced. All projects will be due at the BEGINNING of the class unless otherwise stated. LATE WORK WILL NOT BE ACCEPTED. It is better to turn in your project in whatever state it is in and receive at least partial credit than to receive no credit at all.

Academic Dishonesty:

All academic work, written or otherwise, submitted by a student for a grade is expected to be the result of his/her own thought, research or self-expression. Plagiarism includes reproducing someone else's work or employing or allowing another person to alter or revise the work which a student submits as his/her own. Should a student use part of, or refer to another source in the exercise, it is expected that proper credit will be given in accordance with established documentary formats. Any work submitted for grade, which proves to be that of someone other than the student will receive a "Ø" for grade.

Grading:

Deliverables:

- Quiz 1 20 points
- Quiz 2 20 points
- Practicum 1 10 points
- Practicum 2 10 points
- Program 1 25 points
- Program 2 25 points
- Program 3 25 points Final project 20 points
- In class participation 5 points
- Maximum Point Schedule: 160
- Range: A: 160 – 144 B: 143 – 128 C: 127 – 112 D: 111 – 96 F: 95 – below

Required Supplies:

18" Tracing paper/flimsy (bring to EVERY class)
PENTEL sign pens (S 520-12)
Architectural scale
Drafting pencils H, HB, F
Erasers
30-60 Triangle
Drafting Dots

Templates (¼" scale)
Highlighters
Marker rendering pen for pouche

Text:

Space Planning Basics Mark Karlen, 4th Edition, 2016
ISBN-13: 978-1118882009 / **ISBN-10:** 9781118882009

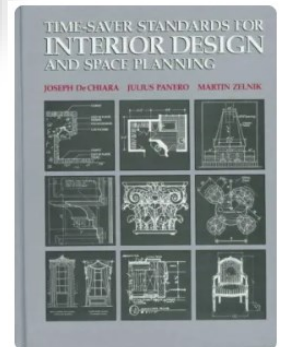
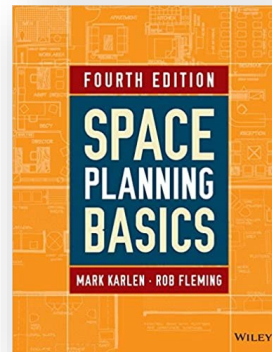
Advanced Spaceplanning Handbook PDF with Syllabus

Suggested Reference Texts:

Problem Seeking Pena, William, 3rd Edition, AIA Press, 1997.

Time Saver Standards for Interior Design and Space Planning DeChiara, Panero, Zelnick, McGraw Hill, 1991.

CALDAG 2011



Space Planning Check List:

Project requirements for program 2, 3 and 4. Any program requirements missing from the space plan will result in loss of points. All parts due on critique day with *NO EXCEPTIONS*, submit either a scanned or photographed image 90 minutes prior to class to my email as a .jpg (please, no pdfs). Use your idi.edu email account to identify authorship as well as time-stamped submitted.

Originals to be brought to class on the due date; please remember to label all of your drawings and include your name on all sheets.

1. Criteria Matrix and Prototypicals:
Completed matrix listing all areas and program requirements.
2. Relationship Diagram
Should be based on criteria matrix
3. Bubble/Block Diagram and Single Line Floorplan
All attempts to be numbered and sheets to be trimmed and stapled.
4. Plan Analysis
Flow/Traffic plan and relationship (public vs. private) plan overlay
5. Enhanced Presentation
Color added to enhance presentation quality

Projected Course Schedule:

Week 1 Introductions, overview of course and materials required
Lecture: Office furniture sizes
Introduction of Program 1-Attorney's Office Homework:
Read chapters 1 and 2

Study for quiz on furniture **WEEK 3**

Week 2 Lecture: Chapter review Homework: ▪ Read chapters 3 and 4 ▪ Program #1 due week 3
Submit photo 90-minutes prior to class via email Bring in a hard copy
Quiz on furniture week 3

Week 3 **QUIZ** on furniture sizes taken in class

Due: Program 1 –class critique Lecture: Chapter review. Matrix charts, bubble and relationship diagrams and other planning tools. Introduction of Program 2 – Accounting Firm Homework:
Read chapter 5 and 6 ▪ Matrix with square footage ▪ Prototypical (2 minimum per area)
Relationship diagram (5 minimum)

Week 4 **Due:** Matrix, prototypicals and relationship diagrams

Lecture: Chapter review. Bubble/block diagrams and rough planning. ADA restroom.
Homework: Bubble/block diagram (4 minimum) Single line floorplan and begin furniture layout (1 minimum)

Week 5 **Due:** Bubble/block diagrams and single line floorplan Lecture: Barrier free codes. Plan analysis and traffic pattern plan. Enhanced presentation. Homework:

Quiz on barrier free codes week 7 Program #2 due week 7 - Email and bring in hard copy

Week 6 **Due:** Continued development of Program #2 Lecture: Barrier free codes. Homework:
Program 2 due week 7

Organize all “checklist” items and package in a professional manner for posting.

Week 7 **QUIZ** on barrier free codes taken in class **Due:**

Program 2 –class critique

Lecture: Introduction of Program 3 – Meeting/Marketing Facility Homework: Matrix with square footage

Prototypical (2 minimum per area) ▪ Relationship diagram (5 minimum) Study for barrier free codes restroom practicum 1

Week 8 **PRACTICUM 1** on barrier free codes restroom

Due: Matrix, prototypicals and relationship diagrams Lecture: Office systems and graphics

Homework: ▪ Bubble/block diagram (5 minimum)

Single line floorplan and begin furniture layout (1 minimum)

Read chapter 7

Week 9 **Due:** Bubble/block diagram and rough planning Homework:

Study for office systems practicum 2 Finalize rough plan and begin furniture layout (2 minimum)

Week 10 **PRACTICUM 2** on office systems **Due:** Finalized rough plan Homework: Program 3 due week 11
Email and bring hard copy to class

Due: Program 3 –class critique Lecture: Review final Homework:

Prepare for FINAL program 4

Week 11 **FINAL** program 4