

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

X Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: ID 170 Space Planning

UNIT VALUE: 3.0

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS:

Appropriate language skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: ID 100

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

The application of programming, theory and techniques in residential and commercial space planning. Skills in drafting and presentation techniques are emphasized in the studio.

SPECIFIC COURSE OBJECTIVES:

The successful student will:

1. Analyze, organize and allocate space planning principles with physical, psychological, and sociological parameters.
2. Evaluate user needs to develop appropriate space plans.
3. Demonstrate use of universal design principles in the planning of spaces.
4. Construct matrixes, schematic diagrams, and study models to illustrate knowledge of space planning principles.
5. Accurately measure interior spaces, furniture and/or equipment.
6. Apply drafting skills and appropriate use of conventions and symbols.

7. Communicate design ideas through scaled construction plans and other two and three-dimensional drawings.
8. Present design concept statements, graphic solutions, and oral presentations in an accurate and professional format.
9. Research and apply codes and regulations to space planning projects.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction: Overview of course
- II. Introduction of space planning
 - A. Theory
 - B. Programming
 1. Matrix development
 2. Bubble diagrams
 - C. Application
 1. Future trends
 2. Economic factors
 3. Cultural preferences
- III. Human Factors
 - A. Physical, psychological and sociological parameters
 - B. Perceptions of space: visual, auditory, tactile and thermal
 - C. Proxemics in cross cultural context
 - D. ADA requirements
- IV. Evaluating Floor Plans
 - A. Application of user's needs/wants to spaces
 - B. Adjacency requirements
 - C. Efficiency of space, circulation patterns, zoning
 - D. Seating considerations
- V. Service spaces and space efficiency
 - A. Kitchens
 - B. Bath and laundry planning
- VI. Social and Private spaces
- VII. Furniture arrangements
 - A. Interior traffic considerations, architectural features, and functional need.
 - B. Sizes of furniture and equipment
 - C. Systems furniture planning
- VIII. Lighting
 - A. Lighting plan

- B. Symbols
 - C. Reflected ceiling plans
 - D. Day lighting
- IX. Universal Design Issues
- A. ADA requirements
- X. Communication of design concepts: oral, written, and graphic
- A. Plans
 - B. Elevations
 - C. Models

REQUIRED READING:

Ching, Francis D.K. Building Construction Illustrated. 2nd edition. New York: Van Nostrand Reinhold, 1975.

Karlen, Mark. Space Planning Basics. New York: Whitney Library of Design, 1989.

SUGGESTED READING:

Americans with Disabilities Act Access Guide: Survey Checklist, Department of Rehabilitation, ADA Implementation Section, 830 K Street Mall, Room 102, Sacramento, CA. 95814.

REQUIRED WRITING:

1. Housing and Space Planning issues Notebook: This notebook is an on-going research report on current issues and events involving housing and space planning. The notebook shall consist of written comments and analysis on current events collected by the student from newspapers and magazines. For example, an analysis of design and fire safety would be appropriate for a current article describing the results of a fire in a local building.
2. Practice Project: Includes client profile, adjacency matrix, bubble diagram within outlined parameters. Three pages of written analysis shall be required and will apply critical thinking skills to design concepts and code requirements learned.

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes.

Each student will interview a client according to a client profile questionnaire. The written analysis and required drawings will be submitted at the end of the semester. This will require a minimum of three hours outside the class.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

DISTANCE LEARNING:

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply:

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Student projects	50%
Class Presentations	20%
Research	10%
Examinations	10%
Student participation	10%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

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SIGNATURES ON FILE