

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: DT 106 Intermediate Architectural Drafting

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 96

BASIC SKILLS REQUIREMENTS:

Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: DT 105

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

A continued study in residential design including study in details, materials, elevations, specifications, electrical, and plumbing.

SPECIFIC COURSE OBJECTIVES:

Successful students will:

1. Compare and contrast basic residential designs by preparing preliminary building elevations and roof plan design (based upon the floor plan design prepared in DT-105) in the assigned format.
2. Evaluate residential construction drawings by correctly preparing, noting, and dimensioning “working drawings” of their residential designs in the assigned format.
3. Apply professionalism through regular class attendance, assignment completion by due dates, and a high level of neatness and line quality on all assignments.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

A. Residential Design

1. Floor Plan refinement
2. Roof plan development

3. Building elevation development
 - a. Drafting symbols
 - b. Presentation techniques
- B. Working Drawings Development
 1. Floor Plans
 - a. Layout and dimensioning
 - b. Door and window scheduling
 - c. Structural and general notation
 2. Roof Framing Plans
 - a. Layout and symbols
 - b. Joist and beam sizing
 3. Building Sections
 - a. Layout and dimensioning
 - b. Notation
 4. Foundation Plans
 - a. Layout and dimensioning
 - b. Structural and general notation
 5. Building Elevations
 - a. Layout and dimensioning
 - b. Symbology and conventions
 - c. Notation
 6. Site Plans
 - a. Layout and dimensioning
 - b. Grading conventions and symbols
 - c. Notation
 7. Roof Plans
 8. Cabinet Elevations
 9. Electrical plans and symbols
 10. Door, Window and Finish Schedules
 11. Detailing

REQUIRED READING:

Jefferis, Alan and David Madsen. Architectural Drafting and Design. 4th Edition. NY: Delmar Publishers Inc., 2000.

Dwelling Construction Under the Uniform Building Code. California: International Conference of Building Officials, 2000.

SUGGESTED READING:

Architectural and Builder periodicals.

Sweet's Catalogs.

American Institute of Architects. Architectural Graphic Standards. 8th edition. New York: John Wiley and Sons, 2002.

REQUIRED WRITING:

Demonstration of drafting skills is more appropriate.

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.

Visits to new home construction sites in various stages of completion (i.e. foundations formed, framing, etc.) will be required as a supplement to the class lectures.

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):

- 20% of the grade will be on foundation floor plans
- 20% of the grade will be on dimensioned floor plans
- 20% of the grade will be on floor and roof framing plans
- 20% of the grade will be on building sections
- 20% of the grade will be on building elevations

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

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

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

CONTACT PERSON: Ken Swift, ext: 2559

SIGNATURES ON FILE: