

**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 144 Architectural Drawing & Color

**UNIT VALUE:** 3

**MINIMUM NUMBER OF SEMESTER HOURS:** 96

**BASIC SKILLS REQUIREMENTS:** Appropriate language and computational skills.

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** None

**COREQUISITE:** None

**RECOMMENDED PREPARATION:** None

**SCOPE OF COURSE:**

An introduction to basic architectural drawing and design that explores the theory and application of perspective, shades and shadows, and color to architectural sketching, drawing, and model building.

**SPECIFIC COURSE OBJECTIVES:**

Successful students will:

1. Demonstrate an understanding of color theory by preparing a series of color exhibits and assigned sketches and drawings.
2. Apply the principles of perspective theory and freehand (direct) perspective to a series of architectural drawings and presentations.
3. Apply the principles of freehand sketching, shades and shadows, color theory, and direct perspective to a series of weekly drawing assignments.
4. Solve a series of basic architectural design problems in the required format and medias.
5. Construct a series of basic architectural models in the assigned materials and format.

**CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:**

- I. Color Theory
  - A. Additive color reproduction
  - B. Development and use of perceptual uniform color systems
  - C. Culture and status in color preferences
  - D. Physiological analysis of color in architectural applications
  - E. Psychological influences of color in 3-D
  - F. Hue, value, and intensity scale manipulation of the color harmonies in volumetric space

**II Perspective**

- A. Perspective theory
- B. "Direct" perspective
  - 1. One-point construction and application
  - 2. Two-point construction and application
- C. Shades and shadows in perspective

**III. Freehand sketching**

- A. Line weight and line types
- B. Light and shadow casting

**IV. Architectural model building**

- A. Techniques and craft
- B. Comprehension and communication of human scale

**REQUIRED READING:**

Ching, Francis D.K. **Design Drawing** New York: Van Nostrand Reinhold, 1998.

**SUGGESTED READING:**

Ching, Francis D.K. **Architecture: Form, Space, and Order**, Second Edition. New York: Van Nostrand Reinhold, 1996.

**REQUIRED WRITING:**

Demonstration of architectural drawing and modeling 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.**

Two hours of outside reading and preparation will be required for each hour of class lecture. A weekly series of outside sketching assignments of assigned subjects and sites is required.

**INSTRUCTIONAL METHODOLOGY:**

**Check all that apply:**

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

**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):

- 80% Class projects
- 10% Weekly Sketching Assignments
- 10% Sketchbook/journal

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

Yes  No  Number of times course may be taken for credit: 2

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

**CONTACT PERSON: Ken Swift Ext.2559**

**SIGNATURES:**

SIGNATURES ON FILE