

**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:** AP DL 209                      Advanced Framing - Curves & Arches

**UNIT VALUE:** 1.5

**MINIMUM NUMBER OF SEMESTER HOURS:** 40

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

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** None

**COREQUISITE:** None

**RECOMMENDED PREPARATION:** None

**SCOPE OF COURSE:**

This course is designed to teach curves and arches, barrel ceilings, radius walls and soffits. Related hand and power tool safety, math and blueprint reading will be covered.

**SPECIFIC COURSE OBJECTIVES:**

Students will be able to:

1. Identify and recognize the materials, codes and tools needed for intricate framing.
2. Demonstrate accurate layout, math and framing techniques.
3. Demonstrate proper applications of drywall/lath and trims.
4. Demonstrate safe and proper use of hand and power tools.

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

- I. Curves
  - A. Using a bisector
  - B. Developing an arc
  
- II. Mathematical calculations
  - A. Lay-out of curves and arches
  - B. Mathematical calculations for layout of curves, arches and elliptical arches

- III. Application of various methods of laying out curves and arches
  - A. The Gardner Method
  - B. Striking three-point ellipses
  - C. Striking elliptical arches
  - D. Striking Gothic and Tudor

**REQUIRED READING:**

Akoury, Alexander G. California Drywall Lathing Apprenticeship Volumes I, II, III & IV. Los Angeles: Self-published, 1985.

Carpenters 46 Northern California Counties JATC. Construction Mathematics. Oakland.

Carpenters 46 Northern California Counties JATC. Introduction to Working Drawings. Oakland: Self-Published, 1991.

**SUGGESTED READING:** None

**REQUIRED WRITING:**

Completion of written assignment in student's workbook, consisting of ten to twelve pages in length.

**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.**

Students will read assigned text and workbook assignments.

**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):

Class Participation	10%	A = 100 – 90
Quizzes	20%	B = 89 – 80
Lab/Shop Projects	20%	C = 79 – 70
Workbook	20%	F = Below 70
Final Exam	<u>30%</u>	
	100%	

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

Yes X 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: 58161 Part C 2A

**CONTACT PERSON:** Director, Occupational and Noncredit Programs, Ext. 2286

**SIGNATURES ON FILE**