

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 C 201 Orientation I

UNIT VALUE: 1.5

MINIMUM NUMBER OF SEMESTER HOURS: 40

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: Indentured apprentice to the Carpenters Joint Apprenticeship and Training Committee for Southern California.

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

This course will introduce the use of various hand and power tools used in the trade. Students will be introduced to the history of trade apprenticeships. Construction math and job site safety practices will also be covered.

SPECIFIC COURSE OBJECTIVES:

Students will be able to:

1. Explain safe working practices.
2. Analyze state and federal laws pertaining to safety.
3. Explain various legislative actions over the last sixty-(60)-years that have been enacted to mandate and guild the apprenticeship programs.
4. Analyze and explain federal legislation that guides the operations of labor unions and how the safety and welfare are the responsibilities of both employer and employee.
5. Demonstrate the safe use of both hand and power tools.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
 - A. Causes of accidents and methods of prevention
 - B. Hand tool safety, power tool safety, and safety on the job site
 - C. Shelley-Maloney Act of 1939
 - D. First-Aid/CPR trained
 - E. The California Occupational Safety and Health Act of 1973

- II. Material of Construction
 - A. Differentiate between soft and hard woods
 - B. Types of dimensioned wood products
 - C. Types of nails, screws and fasteners
 - D. Mathematical calculations to estimate various constructional materials

- III. Mathematical calculations used in construction
 - A. Estimating board footage and linear footage
 - B. Calculate perimeters, area and volumes

- IV. First-Aid/CPR

REQUIRED READING:

Koel, Leonard. Carpentry. Homewood: American Technical Publishers, 1991

Koel, Leonard. Concrete Formwork. Chicago: American Technical Publisher, 1990

Carpenters 46 Northern California Counties JATC. Construction Mathematics. Oakland: Self-published 1991

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

SUGGESTED READING:

None.

REQUIRED WRITING:

Completion of written assignments in student 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.

Read text materials, review course notes and study lecture materials to supplement the text. Prepare homework 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 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, Vocational Programs, Ext. 2286

SIGNATURES ON FILE