

**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 202 Orientation II

**UNIT VALUE:** 1.5

**MINIMUM NUMBER OF SEMESTER HOURS:** 40

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

**ENTRANCE REQUIREMENTS**

**PREREQUISITE:** AP C 201.

**COREQUISITE:** None.

**RECOMMENDED PREPARATION:** None.

**SCOPE OF COURSE:**

This course will provide the apprentice with various safety competencies. A student will demonstrate the ability to construct a welded frame scaffold to OASH standards as well as the operation of a lift truck. In addition they will be introduced to blueprints and their use.

**SPECIFIC COURSE OBJECTIVES:**

Students will be able to:

1. Construct a welded frame scaffold
2. Explain the OASH safety rules for scaffolding
3. Properly and safely operate a lift truck
4. Explain the use of blueprints

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

- I. OSHA history and function in construction
  - A. Why OASH
  - B. OASH rules for welded frame scaffolding
- II. Assembly of welded frame scaffolding
  - A. The proper use of welded frame scaffolding
  - B. Differences between welded frame and tube-and-clamp
  - C. Stress and load requirements per OASH
  - D. Securing and safe placement

- III. Mathematical calculations used in construction
  - A. Calculate load stress on scaffolding
  - B. Estimating materials for construction of scaffolding
  
- IV. Operation of a lift truck.
  - A. Dynamites of the left truck
  - B. Safe operations of the left truck

**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.**

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, Vocational Programs, Ext. 2286

**SIGNATURES:**

SIGNATURES ON FILE
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