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 233 Scaffolding Introductions

UNIT VALUE: 1.5

MINIMUM NUMBER OF SEMESTER HOURS: 40

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: AP C 232 Scaffolding – Orientation II.

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

Introduction to basic layout and assembly of welded frame scaffolding. Calculating leg loads, structure plan views, material estimating and safety, math and blueprint reading will also be covered.

SPECIFIC COURSE OBJECTIVES:

Students will be able to:

1. Erect scaffolding per layout.
2. Assemble welded frame scaffolding.
3. Perform mathematical calculations used in deterring intended leg loads.
4. Use an Architect's scale.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

I. Architect's Scale
   A. Scaling of blueprints
   B. Proper handling of Architect's scale

II. Mathematical Calculations
   A. Mathematical calculations for layout and materials
   B. Calculations of intended leg loads

III. Welded Frame Scaffold
   A. Erecting scaffolding per layout
   B. Proper assembly sequence of welded frame scaffolding

REQUIRED READING:

United Brotherhood of Carpenters Apprenticeship and Training Fund of North America. Scaffolding Introduction. Washington D.C.: Self-published, 1997.

United Brotherhood of Carpenters Apprentice and Training Fund for North America. Frame Scaffolding. Washington D.C.: Self-published, 1997.

United Brotherhood of Carpenters Apprenticeship and Training Fund of North America. Scaffolding Regulations. Washington D.C.: Self-published, 1997.

Carpenters 46 Northern California Counties JATC. Construction Mathematics. Oakland: Self-published, 1997.

SUGGESTED READING: None.

REQUIRED WRITING:

Completion of written assignments in student workbook approximately 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:
_X__ lecture
_X__ 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	30%	
	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 & Noncredit Programs, Ext. 2286

SIGNATURES ON FILE: