

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 203 Blueprint I

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 the first of two classes in blueprint reading. The course will cover the fundamental functions and structure of blueprints. Construction drawings, line symbols, freehand sketching as well as pictorial drawings will be covered.

SPECIFIC COURSE OBJECTIVES:

Students will be able to:

1. Explain the various sections of blue prints and their function.
2. Identify and explain the various "lines".
3. Identify and explain the various symbols used on prints.
4. Explain the relationship of one section of the blueprint to another.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. The importance and use of construction blueprints
 - A. History of blueprints and their need
 - B. How prints are used in the entire completion of a building project
 - C. Symbols and line language of blueprints
- II. Measuring tools for both blueprint reading and construction job site
 - A. The architectural ruler
 - B. The engineers ruler

- C. Builders level and transit
- III. Construction mathematics
 - A. Mathematical calculations to estimate construction materials
- IV. Introduction to a set of blueprints
 - A. How blueprints are structured
 - B. Various views of a project
 - C. Relationships of the various sections of a set of blueprints

REQUIRED READING:

Brown, C. Walter. Blueprint Reading for Construction. South Holland, Illinois: Goodheart-Willcox, 1990

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

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

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

SUGGESTED READING:

None.

REQUIRED WRITING:

Completion of written assignments in 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 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