

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

_____ Transfer Course X A.A. Degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE: PWM 50 Introduction to Public Works

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 48

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: None.

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

Designed by the American Public Works and Maintenance Superintendents Associations in order to prepare public works and maintenance workers for lead and supervisory positions. Students will receive an introduction to techniques; materials and equipment used in public works, maintenance and repair projects.

SPECIFIC COURSE OBJECTIVES:

Successful students will be able to:

- I. Identify the basic categories of public works programs and list the major components of each.
- II. Identify the advantages of preventive maintenance programs for each of the categories of public works programs.
- III. Identify and evaluate operational advantages and disadvantages of public works programs.
- IV. Analyze methods of measuring work accomplished and determining effectiveness for each of the public works programs.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Street Maintenance
 - A. Sidewalk repairs
 - B. Traffic maintenance
 - C. Street cleaning
 - D. Pavement maintenance & rehabilitation alternatives
 - E. Equipment
 - F. Advantages of street maintenance preventive maintenance programs.

- G. Operational advantages and disadvantages of street maintenance.
 - H. Measuring work completed and program effectiveness.
- II. Park & Landscape Maintenance
- A. Turf
 - B. Urban forest management
 - C. Advantages of park and landscape preventive maintenance programs.
 - D. Operational advantages and disadvantages of park and landscape maintenance.
 - E. Measuring work completed and program effectiveness.
- III. Utility Maintenance
- A. Water
 - B. Sewer
 - C. Recycled water
 - D. Storm drain
 - E. Solid waste
 - F. Energy & gas
 - G. Advantages of utility maintenance preventive maintenance programs.
 - H. Operational advantages and disadvantages of utility maintenance.
 - I. Measuring work completed and program effectiveness.
- IV. General Services
- A. Facilities
 - B. Fleet
 - C. Environmental
 - D. Advantages of general services preventive maintenance programs.
 - E. Operational advantages and disadvantages of general services.
 - F. Measuring work completed and program effectiveness.

REQUIRED READING:

CAL/OSHA Pocket Guide. Current Edition.

American Public Works Association. Work Zone Traffic Control Devices. Current Edition.

American Public Works Association. Flagging Handbook. Current Edition.

Various handouts provided by the instructor.

SUGGESTED READING: None.

REQUIRED WRITING: Students will a two page paper on either a public works budget problem or an analysis of a major public works maintenance problem.

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.

Course includes one field exercise.

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): Quizzes and a final exam will be administered.

The course grading policy will be determined by individual instructors and may include the following:

- Exams
- Quizzes
- Research projects
- Writing assignments
- Classroom presentations
- Research papers
- Lab assignments
- Journal writing
- Classroom participation & discussion
- Homework

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

Yes No Number of times course may be taken for credit: 1

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

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

SIGNATURES ON FILE