

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: PKS 101 Parks Maintenance

UNIT VALUE: 3

MINIMUM NUMBER OF SEMESTER HOURS: 64

BASIC SKILLS REQUIREMENTS: Appropriate language and computational skills.

ENTRANCE REQUIREMENTS

PREREQUISITE: None.

COREQUISITE: None.

RECOMMENDED PREPARATION: None.

SCOPE OF COURSE:

Provides current knowledge of the various types of maintenance procedures in public and private parks. Introduces the characteristics and management requirements of various turf grasses with the exposure to the installation and maintenance of them; provides current knowledge of irrigation sprinkler systems in relation to landscape management. CSU

SPECIFIC COURSE OBJECTIVES:

The students will be able to:

1. Apply principles of park maintenance to manage either public or private parks and or landscapes.
2. Apply principles of turf management to properly maintain any and all types of turf.
3. Apply principles of water management to properly maintain parks and or landscapes.

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

- I. Introduction
 - A. Functions of maintenance departments
 - B. Various public and private entities utilizing park maintenance skills

- II. Management Responsibilities
 - A. Specifications and contracts
 - B. Effective use of resources
 - C. Estimating park/landscape management services
 - D. Personnel management

- E. Job descriptions
 - F. Equipment selection and acquisition
 - G. Safety
- III. Landscape Design
- A. Costs within the landscape
 - B. Budgets
 - C. Designing to reduce maintenance
 - D. Structures
 - E. Plant selection
 - F. Measurements and design (lab work: measure, use engineers scale, draft)
- IV. Pruning Landscape Plants
- A. Developing and scheduling a pruning program
 - B. Timing
 - C. Equipment
 - D. Pruning technique
 - E. Training
 - F. Removing limbs
 - G. Topping
 - H. Wound closure
 - I. Equipment use (lab work: pruning trees and shrubs, mixing gas, sharpening chain saws, using chain saws and chipper.)
- V. Water Management
- A. Irrigation programs
 - B. Irrigation methods
 - C. Irrigation system maintenance
 - D. Irrigation system evaluation
 - E. Water conservation
 - F. Field-work (lab work: adjust sprinklers, repair broken sprinklers and valves set irrigation clocks.)
- VI. Fertilizing the Landscape
- A. Essential elements
 - B. Fertilization practices
 - C. Fertilizers
 - D. Application methods
 - E. Fertilizer pollution
 - F. Calibration (lab work: measure area to be fertilized, weigh fertilizer, apply fertilizer with calibrated spreader.)
- VII. Color in the Landscape
- A. Annuals
 - B. Spring – flowering bulbs
 - C. Herbaceous perennials
- VIII. Turf Grass Management
- A. Introduction
 - B. Developing a turf grass nitrogen fertility program
 - C. Mowing

- D. Thatch
- E. Pest Management
- F. Equipment use (lab work: edging, mowing, weed eaters, blowers, aerators, and thatchers)

REQUIRED READING:

Hensley, David. Professional Landscape Management. Champaign, Illinois: Stipes Publishing, 1994.

SUGGESTED READING:

SternLoff, Robert and Roger Warren. Park and Recreation Maintenance. Scottsdale, AZ: Publishing Horizons, 1993.

REQUIRED WRITING:

Students choose a specific project from the following: two-page typed report, three-minute oral presentation, internet project on park maintenance item, slide presentation of park-related maintenance tasks, power-point presentation on parks topic, oral report of park maintenance operation.

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.

Required textbook readings and preparation for examinations. Read text and study lecture notes. Prepare report on complete assigned project.

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):

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 X 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
