

CATALOG INFORMATION

Dept and Nbr: NRM 65

Title: REC FACILITY MAINT

Full Title: Recreation Facility Maintenance

Last Reviewed: 3/2/2009

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: FOR 65

**Catalog Description:**  
Principles and practices of park maintenance and maintenance management skills for recreational facilities. Course includes hands-on experience with tools, materials, and methods used in the maintenance of park facilities.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Principles and practices of park maintenance and maintenance management skills for recreational facilities. Course includes hands-on experience with tools, materials, and methods used in the maintenance of park facilities. (Grade Only)  
Prerequisites/Corequisites:  
Recommended: Eligibility for ENGL 100 or ESL 100  
Limits on Enrollment:

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>		Effective:	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Outcomes and Objectives:**

Upon successful completion of this course, students will be able to:

1. Evaluate purpose, types and methods of maintenance appropriate to park facilities.
2. Manage systems for maintenance and operations of park facilities.
3. Design facilities, maintenance systems and operations to minimize maintenance and reduce vandalism.
4. Plan and organize a cost effective and efficient maintenance program.
5. Calculate cost of construction and/or maintenance of recreational facilities.
6. Perform light grounds and facilities construction tasks.
7. Troubleshoot and repair simple electrical and plumbing problems.
8. Use standard maintenance hand tools safely.
9. Locate and apply appropriate building codes, utilizing the UBC (Uniform Building Codes).
10. Assess the impact of park maintenance on public relations and public liability.

### **Topics and Scope:**

- I. Maintenance Systems and Principles
  - A. Purpose, types and methods of maintenance
  - B. Standards
  - C. Proper facility design to enhance maintenance
  - D. Liability
- II. Maintenance Management
  - A. Planning and organizing the maintenance program
    1. Planning and scheduling jobs
    2. Assigning responsibility
    3. Written maintenance job instructions
    4. Cost analysis
  - B. Design to minimize maintenance and vandalism
  - C. Supervision
- III. Building and Facility Maintenance

- A. Building maintenance
  - B. Carpentry
  - C. Electrical and plumbing systems
  - D. Painting and Finishing
  - E. Swimming pools; playground equipment
  - F. Tools, methods and materials for basic maintenance projects
  - G. Uniform Building Code (UBC)
- IV. Grounds Maintenance
- A. Sanitation
  - B. Roadways, Trails, Campgrounds
  - C. Landscape maintenance
  - D. Irrigation systems
- V. Maintenance and the Public
- A. Public safety
  - B. Public relations
  - C. Public liability
  - D. Preventive maintenance
  - E. Vandalism prevention

### Assignment:

Representative assignments:

1. Reading: approximately 40 pages per week.
2. Develop a written maintenance plan for a public park (2-6 pages).
3. Evaluate 3-4 park facilities and recommend improvements (written report, 3-4 pages).
4. Produce schematic drawings for a park with facilities located to enhance maintenance considerations.
5. Construct basic park amenities such as, trails, benches, tables, amphitheatre, campsite (work done at Shone Farm).
6. Midterm; final exam.

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Maintenance plan; evaluation and recommendations.
---

Writing 20 - 30%
---------------------

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Schematics
------------

Problem solving 10 - 20%
-----------------------------

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Construction projects
-----------------------

Skill Demonstrations 20 - 30%
----------------------------------

**Exams:** All forms of formal testing, other than skill performance exams.

True/false, short answer, essay.

Exams  
20 - 30%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation.

Other Category  
0 - 10%

**Representative Textbooks and Materials:**

Park and Recreation Maintenance Management. Sternloff, Robert E. and Warren, Roger. Pearson, 1998.

Uniform Building Code. International Conference of Building Officials.

Working Wood. Tolpin, Jim. Sterling Publishing, 1996.

(Textbooks are classic in field. Government documents are updated when available.)