

PARK MAINTENANCE

FOR124-3

COURSE NAME

CODE NO.**I. COURSE DESCRIPTION:**

A practical introductory course that introduces students to the products, tools and equipment used in park maintenance. Students will take part in field trips, field exercises and complete several "hands on" projects.

II. LEARNING OUTCOMES:

Upon successful completion of this course, the student will demonstrate the ability to:

1. Potential elements of the performance:
 - Identify the hand tools commonly found in a parks maintenance facility, demonstrate usage and describe tool care stressing safety.
 - Identify electrical power tools commonly used in part maintenance, demonstrate usage and describe tool care stressing safety.
 - Identify engine powered parks equipment, demonstrate operating principles and explain troubleshooting.

This learning outcome will constitute 30% of the course's grade.

2. Plan including a cost estimate for a minor (a) wood and (b) concrete part project.
 - e.g. a) construct a boardwalk
 - b) pour a concrete slab for a booster pumphouse.

Given specific site conditions, each student for their own project will:

- list tools
- list materials with costs
- divide project into logical stages
- discuss options
- estimate labour requirements
- produce a plan

This learning outcome will constitute 20% of the course's grade.

3. Projects
 - each student will make a summary on an individual aspect of plumbing/electrical which is worth 5%
 - students will distinguish the components of a 220V supply and power distribution system.

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- student will make up and test an extension cord
- each student completely assembles and tests a shallow well jet water system from foot valve to supply tap including soldering.

These projects are graded pass/fail

- water system
- extension cord
- trailering exercise including backing

III. TOPICS:

*Note: These topics sometimes overlap several areas of skill development and are not necessarily intended to be explored in isolated learning units or in the order below.

- Park maintenance
 - products
 - hand tools
 - power tools
 - engine powered equipment
- Park plumbing system
- Park electrical supply
- Construction using concrete
- Construction using wood
- Practical and Lab Sessions
 - assemble an extension cord
 - plumb up a shallow well
 - plumb up a jet pump system
 - demonstrate hand tools
 - demonstrate power tools
 - demonstrate engine powered equipment
 - demonstrate trailer loading, load securing and backing

imposed. All assignments must be submitted.

Maintenance Tool Summary	Jan. 17	5
Maintenance Product Summary	Jan. 31	5
Tool & Product Presentations	Jan. 17/31 (2 x 2 1/2)	5
Concrete Summary	Feb. 14	5
Wood Summary	Feb. 21	5
Concrete & Wood Presentations	Feb. 21 (2 x 5)	10
TEST 1	Feb. 29	12
Plumbing & Electrical Summary	Mar. 21	5
Equipment Operation & Maintenance Summary	Apr. 11	5
Tool Renovation	Apr. 18	5
Equipment	Apr. 25	5
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TEST 2		20
Attendance		12
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		100%

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Each lab missed without prior arrangement or DGR -4 marks

Evaluation - Late 1 grade/day

Maintenance Activities requiring successful completion i.e. checked off:

- Plumbing exercise
- Extension cord exercise
- College Ski Trail Maintenance
- Trailer Hauling Exercises

The above material will be covered in lectures, labs, field trips, self study and through demonstrations and hands on exercises.

NOTE: STUDENTS MAY BE ASSIGNED AN “R” grade early in the course for unsatisfactory performance

VI. SPECIAL NOTES:

Special Needs

If you are a student with special needs (eg. Physical limitations, visual impairments, hearing impairments, learning disabilities), you are encouraged to discuss required accommodations with the instructor and/or contact the Special Needs Office, Room E1204, Ext. 493, 717 or 491 so that support services can be arranged for you.

Plagiarism

Students should refer to the definition of “academic dishonesty” in the “Statement of Students Rights and Responsibilities.”

Students who engage in “academic dishonesty” will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course, as may be decided by the professor.

In order to protect students from inadvertent plagiarism, to protect the copyright of the material referenced and to credit the author of the material, it is the policy of the department to employ a documentation format for referencing source material.

Advanced Standing

Students who have completed an equivalent post-secondary course should bring relevant documents to the Coordinator, Natural Resources Programs.

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CODE NO.Retention of Course Outlines

It is the responsibility of the student to retain all course outlines for possible future use in gaining advanced standing at other post-secondary institutions.

Substitute course information is available at the Registrar's Office.

VII. PRIOR LEARNING ASSESSMENT:

Please contact the Prior Learning Assessment Office (H0240) for further information.