SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

Sault College

COURSE OUTLINE

COURSE TITLE: Horticulture and Groundskeeper

CODE NO. :   NRT 145   **SEMESTER:**   Winter 08

PROGRAM: Natural Environment and Outdoor Studies

AUTHOR: J. Thomas

DATE: Feb 08   **PREVIOUS OUTLINE DATED:**

APPROVED:

_____   _____
                            Chairperson   **DATE**

TOTAL CREDITS:

PREREQUISITE(S):   None

HOURS/WEEK: 3

I.   **COURSE DESCRIPTION:** This course will provide the student with a general understanding of horticultural and groundskeeping principles and procedures that are to be carried out over the course of a year, with both private and commercial applications to be considered.

II.   **LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

1.   Identify the different levels or areas of landscape maintenance and how to budget for and schedule the tasks or jobs associated with each level.
     Potential Elements of the Performance:
        -   list goals of each level of maintenance for all areas
        -   identify and list various tasks or jobs to be carried out with each level of maintenance in each area
        -   describe what is included in each task or job
        -   construct a yearly schedule to show when each task or job should be done
        -   construct a basic budget for the landscape maintenance tasks or jobs that are scheduled for each area.
2.   Discuss various types of topsoil and fertilizers.
     Potential Elements of the Performance:
        -   identify different types of topsoil and what materials make up each different type.
        -   describe methods of improving different types of topsoil
        -   list the best topsoil for specific areas and projects
        -   list main elements found in fertilizers
        -   discuss how each element aids in plant growth when added to topsoil.
3.   Describe all the elements and procedures in the construction of a new lawn
     Potential Elements of the Performance:
        -   discuss the advantages of lawns in general
        -   discuss whether it is better to seed or sod
        -   describe the preparation of the site for the lawn – whether seeding or laying sod
        -   describe methods and types of seeding or sodding an area
        -   discuss maintenance practices for the lawn after seeding and sodding
4.   Discuss and identify the various types of plant materials used in the landscape as elements of design and their functional application
     Potential Elements of the Performance:
        -   identify what hardiness zone the plants will be used in

- identify what purpose and location each type of plant will be used for
- identify and list the growth requirements of each type of plant and if they are available in the chosen locations
- list what plants are suitable and readily available for each purpose and location
- list number of each type of plant material used in each location and for each purpose

5. Discuss all aspects of the planting/installation procedures, maintenance and care of the various types of plant materials used in the landscape
    Potential Elements of the Performance:
    - describe different methods of planting large trees and shrubs and groundcovers
    - discuss the care and maintenance and care of large trees and shrubs and groundcovers throughout the year
    - describe methods of growing and planting different types of flowers – annuals, perennials, bulbs
    - discuss the care and maintenance and care of these different types of flowers throughout the year.

6. Identify common diseases and insect pests that attack landscape plant materials and the most effective methods of controlling them
    Potential Elements of the Performance:
    - list common insects that attack trees, shrubs, groundcovers and turf
    - list common diseases that attack trees, shrubs, groundcovers, and turf
    - describe an Integrated Pest Management program to control all of these pest and diseases
    - list and describe all the elements, (chemicals etc.) used in a pest and disease control program.
    - apply all the safety regulations in regards to using chemical.

III. TOPICS:

1. Types of Landscapes
2. Levels of Landscape Maintenance
3. Topsoils and Fertilizers
4. Lawns
5. Plant Materials
6. Integrated Pest Management Programs

IV.   REQUIRED RESOURCES/TEXTS/MATERIALS:
None

V.   EVALUATION PROCESS/GRADING SYSTEM:

Presentation   15 %
Assignments   35 %
Midterm Test   25 %
Final Test   25 %
<give breakdown of tests/assignments and their weights relative to calculating the final grade for the course>

The following semester grades will be assigned to students:

Grade	Definition	*Grade Point Equivalent*
A+	90 – 100%	4.00
A	80 – 89%	
B	70 - 79%	3.00
C	60 - 69%	2.00
D	50 – 59%	1.00
F (Fail)	49% and below	0.00

CR (Credit)	Credit for diploma requirements has been awarded.
S	Satisfactory achievement in field /clinical placement or non-graded subject area.
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.
X	A temporary grade limited to situations with extenuating circumstances giving a student additional time to complete the requirements for a course.
NR	Grade not reported to Registrar's office.
W	Student has withdrawn from the course without academic penalty.

VI.   SPECIAL NOTES:

Special Needs:
If you are a student with special needs (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Special Needs office. Visit Room E1101 or call Extension 703 so that support services can be arranged for you.

Retention of Course Outlines:
It is the responsibility of the student to retain all course outlines for possible future use in acquiring advanced standing at other postsecondary institutions.

Communication:
The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

Plagiarism:
Students should refer to the definition of "academic dishonesty" in *Student Code of Conduct*. 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/program, as may be decided by the professor/dean. 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.

Course Outline Amendments:
The professor reserves the right to change the information contained in this course outline depending on the needs of the learner and the availability of resources.

Substitute course information is available in the Registrar's office.

<include any other special notes appropriate to your course>

VII.   PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the professor. Credit for prior learning will be given upon successful completion of a challenge exam or portfolio.

VIII. DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.