

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



Sault College

COURSE OUTLINE

COURSE TITLE: Spring Field Exercises

CODE NO. : NRT 128

SEMESTER: 2

PROGRAM: All Natural Environment and Outdoor Studies Programs

AUTHOR: Bob Currell

DATE: April 2009 **PREVIOUS OUTLINE DATED:**

APPROVED:

	CHAIR	DATE
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TOTAL CREDITS:

PREREQUISITE(S): none

HOURS/WEEK:

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*For additional information, please contact Brian Punch, Chair,
Natural Environment/Outdoor Studies & Technology Programs*

(705) 759-2554, Ext. 2681

- I. **COURSE DESCRIPTION:** This course will provide students with an end-of-the-semester review of important field skills related to their particular program. All students will participate in exercises related to field orientation, identification of forest plants and wildlife and preparation for their co-op workterm. In addition, depending on their program of study, students may tour local forest industries, work in local parks, learn how to properly mix fuels, observe the spring migration of raptors and waterfowl.

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

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

Field Orientation

1. Traverse through a remote wooded area to pre-determined destinations.

Potential Elements of the Performance:

- Determine a baseline on an OMNR aerial photograph
- Determine any direction on an aerial photograph using a baseline direction
- Measure distances on aerial photographs
- View aerial photographs to locate your present position and identify forest features and tree stands

2. Use a GPS (Global Positioning System)

Potential Elements of the Performance:

- Manually enter waypoints into a GPS
- Find a location on a GPS and save it as a waypoint
- Mark a waypoint directly in the field
- Navigate to a waypoint using the map screen and the compass screen
- Be able to create a track log of a traveled path
- Calculate the size of an area by walking its perimeter

Mixology

1. Demonstrate how to mix gas and oil to specified ratios normally used with 2-cycle engines

Potential Elements of the Performance:

- Participate in lab mixing activities
- Calculate the amount of mix for the specified gas can sizes
- Use food colouring and water to mix specified proportions and compare to established controls

Marks Bay

1. Work in a team to follow a series of azimuths while measuring distances through the forest. Neatly and accurately record sightings of trees, shrubs, herbaceous

plants, wildlife and wildlife signs

Potential Elements of the Performance:

- Work with teammates to follow assigned compass bearings through a forested area
- Identify and neatly record sightings of trees, shrubs , herbaceous plants and wildlife
- Identify and neatly record sightings of wildlife signs including scats, tracks and browse

Co-op

1. Describe the requirements to successfully complete the CWF 100 Co-op course

Potential Elements of the Performance:

- Attend a seminar describing co-op requirements
- Read the co-op manual
- Meet with the co-op coordinator, Suzanne Dunn

Specialized Activities

1. Spring Migration of Raptors (F and W, Field Naturalist)

Actively participate in a field trip to observe spring waterfowl and raptor migration

- use binoculars, spotting scopes and appropriate field guides to identify waterfowl and raptors
- explain the mechanisms by which large raptors migrate, and why migrating raptors are associated with landscape elements such as ridges, lakeshores and points

N.B. Two pieces of I.D. (one with photo) are required to enter the U.S.

Students without documentation necessary to enter the U.S.A. will take part in an alternate exercise.

2. Park Opening (Parks and Outdoor recreation)

Describe how a selected park prepares to open and explain the steps involved

- visit a local park and participate in the various operations involved with opening a park
- review literature, research and write a paper that describes the steps involved with park opening

3. Wood processing and Woodlot Management (Forestry)

Explain how harvested wood is processed into forest products

Describe how wood is sorted into product types, graded and scaled in an industrial setting

- tour the wood yard of Meakin Forest Products and hear an explanation of their operations

Describe how a woodlot Stewardship Plan is prepared

- listen to an introduction to the MFTIP program
- hike through a woodlot for which a MFTIP plan has been prepared and identify forest compartments
- complete a compartment inventory for a MFTIP plan

III. TOPICS:

1. Orienteering
2. Mixology and Co-op
3. Marks Bay; compassing, measuring and recording
4. Specialized Fish and Wildlife, Parks or Forestry activity

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

V. EVALUATION PROCESS/GRADING SYSTEM:

For each of the activities students will be assigned an S or U grade. Successful completion of the course requires S grades for all assigned activities.

The following semester grades will be assigned to students:

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:

Disability Services:

If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Disability Services office. Visit Room E1101 or call Extension 2703 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>

<include the following paragraph if there is a placement or clinical component to this course. You may wish to consult with your chair.>

Tuition Default:

Students who have defaulted on the payment of tuition (tuition has not been paid in full, payments were not deferred or payment plan not honoured) as of the first week of *<choose November, March, or June>* will be removed from placement and clinical activities. This may result in loss of mandatory hours or incomplete course work. Sault College will not be responsible for incomplete hours or outcomes that are not achieved or any other academic requirement not met as of the result of tuition default. Students are encouraged to communicate with Financial Services with regard to the status of their tuition prior to this deadline to ensure that their financial status does not interfere with academic progress.

VII. PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question.

Credit for prior learning will also be given upon successful completion of a challenge exam or portfolio.