

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE: NET FIRST YEAR FALL FIELD CAMP

CODE NO. : NET101 **SEMESTER:** 1

PROGRAMS: NATURAL ENVIRONMENT TECHNICIAN /
TECHNOLOGIST

AUTHOR: VALERIE WALKER

DATE: SEPT 2009 **PREVIOUS OUTLINE DATED:** NEW

APPROVED: "B. Punch"

CHAIR DATE

TOTAL CREDITS: 4

PREREQUISITE(S): None

LENGTH OF COURSE: 4 consecutive days

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I. COURSE DESCRIPTION:

This Field Camp introduces a variety of field skills essential to natural environment technicians and technologists. Students will demonstrate the safe and correct operation of All Terrain Vehicles (ATVs), canoes and boats with outboard motors. Together with the successful completion of the theory portion of Outdoor Equipment Certification (NET 107), students will be eligible to receive a safe operator's certificate for each equipment type. In addition, mapping and compassing skills will be developed through a field mapping component and by a solo compassing exercise through a forested area. Emphases will also be placed on the identification of trees and shrubs as well as on the assessment of water quality using both chemical tests and the collection of aquatic invertebrates. During a visit to a local hydro-electrical dam, site reclamation will be discussed and a survey of local bird life will be conducted at a wetland created by the dam.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Use a magnetic hand compass and navigate through a forested area

Potential Elements of the Performance:

- set appropriate declination on compass
- set appropriate azimuth on compass
- accurately navigate to a specified destination
- carry a personal survival kit

2. Use a map to navigate roads through a forested area

Potential Elements of the Performance:

- orient map to the ground
- apply map scale to estimate distances traveled
- recognize crossroads, hills, bridges and other landmarks both on the map and on the ground
- accurately trace the route taken on a map
- briefly summarize the historical significance of the Kirkwood area

3. Safety and effectively operate a canoe while paddling tandem in either the bow or the stern

Potential Elements of the Performance:

- safely demonstrate getting in and out of a canoe
- wear PFD and have all other required safety equipment on board

- demonstrate a draw, sweep, pry, bow and J-stroke
- effectively and safely navigate a specified course

4. Safety operate an outboard motor with an instructor present

Potential Elements of the Performance:

- list the required safety equipment for the boat being operated
- start and stop the motor according to approved procedures
- wear PFD and have all other required safety equipment onboard as well as a Pleasure Craft Operator's card
- use the motor to safely back, go forward, turn left or right, and approach a dock
- effectively and safety navigate a specified course and dock the boat

5. Safety operate an ATV at a basic level with an instructor present

Potential Elements of the Performance:

- start and stop the motor according to approved procedures
- correctly demonstrate a circle check
- wear proper personal protective equipment
- demonstrate safe riding techniques including correct hand signaling, proper braking, stopping and starting, proper mounting and dismounting and proper weight transfer
- effectively and safety navigate a specified course

6. Conduct field surveys to assess habitat and site reclamation

- accurately assess chemical and physical parameters of a stream including dissolved oxygen, pH, alkalinity, carbon dioxide, total dissolved solids and turbidity as well as velocity and discharge
- use proper techniques to collect and examine aquatic invertebrates
- discuss site reclamation at a local hydro-electrical dam
- perform an inventory of bird species located a wetland created by the dam

7. Identify the oak, ash, basswood and beech species as in Trees and Shrubs Identification (NRT 101)

- list the specific characteristics of each leaf species
- state the common names and scientific names for each species
- review the previous tree species studied
- identify tree species in the field and using laminated specimens

III. TOPICS:

1. Compassing for accuracy
2. Mapping exercise
3. Safe canoe operation
4. Safe outboard motor boat operation
5. Safe ATV operation
6. Habitat assessment
7. Tree and Shrub identification

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

1. First Year NET Field Camp Manual 2009
2. Farrar, J.L. 1995. **Trees in Canada**. Fitzhenry & Whiteside. Markham, Ontario. 502 pp.
3. Peterson, R.T. 2002. **Field Guide to Birds of Eastern North America**. Houghton Mifflin Company. New York, New York.

V. EVALUATION PROCESS/GRADING SYSTEM:

The following semester grades will be assigned to students:

<u>Grade</u>	<u>Definition</u>
S	Satisfactory
U	Unsatisfactory
W	Student has withdrawn from the course without academic penalty.

MANDATORY attendance and participation is required for all field activities. Students missing any field activities will receive an F(fail) grade for Field Camp. In addition, the student may be ineligible to receive a safe operating certificate in Outdoor Equipment Certification (NET 107) for the equipment for which the hands-on requirement was missed. The student's grade in Trees and Shrubs (NRT 101) may be affected by missing the identification test conducted at field camp.

NO ALCOHOL, ILLEGAL DRUGS or FIREARMS ALLOWED IN CAMP

Those students not complying with the Student Code of Conduct will be withdrawn from field camp and receive an F grade.

NOTE: This course provides an opportunity to complete the hands-on requirement of Outdoor Equipment Certification (NET 107). A grade will be assigned at Field Camp for the practical component of safe boat & motor operation only. This grade will form a portion of the evaluation in the course Outdoor Equipment Certification (NET 107). In addition, a grade will be assigned for the tree and shrub identification test conducted at field camp which will form a portion of the evaluation in the course Trees and Shrubs Identification (NET 101).

VI. SPECIAL NOTES:

Personal Vehicles

Transportation is provided to and from field camp. The use of personal vehicles requires the prior written permission of the camp coordinator(s) and keys must be surrendered upon arrival at camp.

Safety

Students are expected to follow all safety-related rules and procedures at all times. Safety equipment such as personal floatation devices, safety boots, hard hats and reflective vests must be worn on all field exercises.

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.

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.

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. Please refer to the Student Academic Calendar of Events for the deadline date by which application must be made for advance standing.

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

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

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.

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*. A professor/instructor may assign a sanction as defined below, or make recommendations to the Academic Chair for disposition of the matter. The professor/instructor may (i) issue a verbal reprimand, (ii) make an assignment of a lower grade with explanation, (iii) require additional academic assignments and issue a lower grade upon completion to the maximum grade “C”, (iv) make an automatic assignment of a failing grade, (v) recommend to the Chair dismissal from the course with the assignment of a failing grade. 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.

Student Portal:

The Sault College portal allows you to view all your student information in one place. **mysaultcollege** gives you personalized access to online resources seven days a week from your home or school computer. Single log-in access allows you to see your personal and financial information, timetable, grades, records of achievement, unofficial transcript, and outstanding obligations, in addition to announcements, news, academic calendar of events, class cancellations, your learning management system (LMS), and much more. Go to <https://my.saultcollege.ca>.

Electronic Devices in the Classroom:

Students who wish to use electronic devices in the classroom will seek permission of the faculty member before proceeding to record instruction. With the exception of issues related to accommodations of disability, the decision to approve or refuse the request is the responsibility of the faculty member. Recorded classroom instruction will be used only for personal use and will not be used for any other purpose. Recorded classroom instruction will be destroyed at the end of the course. To ensure this, the student is required to return all copies of recorded material to the faculty member by the last day of class in the semester. Where the use of an electronic device has been approved, the student agrees that materials recorded are for his/her use only, are not for distribution, and are the sole property of the College.

Attendance:

Sault College is committed to student success. There is a direct correlation between academic performance and class attendance; therefore, for the benefit of all its constituents, all students are encouraged to attend all of their scheduled learning and evaluation sessions. This implies arriving on time and remaining for the duration of the scheduled session.

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 November 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.