
COURSE NAME

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

Fall Field Camp introduces a variety of field skills essential to natural resource technicians. The course consists of 5 consecutive days at Searchmont Ski Resort. Students will be exposed to a bush camp experience where they will be prepared to safely work for an extended time period. Students will pitch their own tents, gather firewood and participate in duties related to a bush camp operation.

In addition, there are a series of 6 field exercises that all students will participate in. Navigating with compass, GPS unit, satellite imagery and Ontario base maps are practiced as are pacing and chaining through wilderness areas. Instruments used in forest measurements will be demonstrated and students will conduct a survey of a forested area. Students will be introduced to the use and safe operation of fire fighting equipment such as fire pumps with intakes and hoses and back pack pumps. Students will participant in a work project using brush saws and hand tools. In addition, students will conduct a stream assessment by investigating chemical, physical and biological parameters. There will be evening sessions relating to tree and shrub identification, science & nature, fire building, mountain biking, proper bush camp hygiene, bear awareness and species at risk.

In order to earn credit, students are required to participate in all activities in a safe and satisfactory manner.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. **Use a magnetic hand compass and navigate to within 5% accuracy of the destination.**

Potential Elements of the Performance:

- identify the parts of a compass
- understand and set magnetic declination on a compass
- be able to use flagging tape in order to travel in a straight line

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2. **Pace to within 5% accuracy and measure distances using a 50 m rope to within 0.5% accuracy.**

Potential Elements of the Performance:

- determine pacing factor and be able to pace distances
- understand the measurement divisions for a 50 m rope
- be able to maintain and properly store equipment
- complete a closed traverse

3. **Use satellite imagery as well as an OBM map to travel from one location to another using a magnetic hand compass.**

Potential Elements of the Performance:

- understand scales of photographs and maps
- identify major topographical and cover type features on maps and imagery
- be able to measure distances and directions on maps and imagery

4. **Use and understand the principles of Global Positioning Systems (GPS)**

Potential Elements of the Performance:

- understand the accuracy of GPS units
- be able to mark (enter) a field position in the GPS while in the field
- be able to enter a field position using map co-ordinates
- be able to navigate to waypoints entered into the GPS using a compass and GPS

5. **Identify 6 native coniferous trees from foliage or cone characteristics**

Potential Elements of the Performance:

- collect cones and foliage from 6 coniferous trees
- name the species collected, using approved botanical names

6. **Safely use various hand tools and motorized equipment in a work project.**

- demonstrate the safe use of swede saws, bow saws, loppers, sandviks, pruners, brush saws and shovels used in trail maintenance and pruning

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- 7. Safely use fire fighting equipment including fire pumps, back pack pumps and fire hose.**
 - demonstrate safe use and operation of water pumps and hoses used in forest fire fighting, draining ponds and lodge fire protection
 - correctly roll fire hose

- 8. Conduct a field survey to assess stream habitat**
 - accurately assess chemical and physical parameters of a stream including dissolved oxygen, pH, alkalinity, carbon dioxide, total dissolved solids and turbidity
 - use proper techniques to collect and examine aquatic invertebrates
 - complete field forms neatly and accurately

- 9. Conduct a forest inventory survey**
 - complete a dot tally and record legible field notes
 - measure and record tree diameters using callipers and diameter tapes
 - measure tree heights using clinometers
 - measure the age of trees with an increment corer and count

- 10. Safely live and work in a bush camp**
 - properly set up a 2-man tent
 - demonstrate proper use of sleeping bags and sleeping pads
 - store food, set up and operate a bush camp to minimize the potential for bear-human conflict
 - use proper hygiene in the bush
 - safely collect and burn firewood
 - demonstrate safe use of portable generators and electrical lighting
 - perform a circle check on a van or motorized vehicle
 - maintain a positive outlook and be respectful towards others
 - demonstrate the importance of safety, attitude and teamwork when working and living in the bush
 - demonstrate a respectful attitude towards the environment

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CODE NO.**III TOPICS:**

1. Navigation & compassing for accuracy
2. Chaining, pacing and traversing through the forest
3. Identification and botanical names of coniferous tree species
4. Safe use of fire equipment
5. Safe use of hand tools, power tools
6. Stream survey
7. Forest inventory survey
8. Importance of safety and attitude in the bush

IV. REQUIRED RESOURCES/ TEXTS/ MATERIALS:

1. Farrar, J.L. 1995. **Trees in Canada**. Fitzhenry & Whiteside. Markham, Ontario. 502 pp.
2. Hard hat, safety boots, reflective vest.

V.

A list of additional supplies, equipment, maps and field forms will be available as handouts to participants

EVALUATION PROCESS/GRADING SYSTEM:

Compassing for accuracy	10%
Pacing exercise	10%
Navigating using a topographic map	5 %
Identification of conifer foliage & cones	5%
Work Project exercise	15%
Fire Equipment exercise	10%
Stream Survey exercise	10%
Forest Measurement exercise	10%
Safe camping equipment use	5%
Team Work, Attitude & Safety	20%

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The following semester grades will be assigned to students:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	4.00
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:

MANDATORY attendance and participation is required for all field activities for a passing grade.

NO ALCOHOL, ILLEGAL DRUGS or FIREARMS ALLOWED IN CAMP

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

Personal Vehicles

Transportation to and from field camp is provided. Students will not normally be allowed to use personal vehicles. Use of personal vehicles requires the prior written permission of a college faculty member and keys must be surrendered upon arrival at camp.

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Safety

Students are expected to follow all safety-related rules and procedures at all times. Safety equipment such as safety boots, hard hats and reflective vests must be worn on all exercises. Students must not be in possession of alcohol, drugs or firearms. Students must not participate in any exercise or activity that they believe to be unsafe.

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.

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CODE NO.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.

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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.