

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE: Fall Field Camp

CODE NO. : NRT305

SEMESTER: 5

PROGRAM: Natural Environment Technologist - Conservation and Management

AUTHOR: Bob Knudsen

DATE: September 2013

PREVIOUS OUTLINE DATED: Sept. 2012

APPROVED:

“Colin Kirkwood”

DEAN

Sept. 2013

DATE

TOTAL CREDITS: 2

PREREQUISITE(S): N/A

HOURS/WEEK: 1 week

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*For additional information please contact
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I. COURSE DESCRIPTION: This five day long trip exposes students to a variety of industrial sites and scientific venues including the following:

- Elliot Lake Mining museum
- Stanrock & Denison Uranium mine reclamation sites
- Camping in the field to collect field data
- Explore plant Species at Risk on Manitoulin Island Alvars
- Field data collection

This course is designed for students to learn how to work in the field collecting field data while living from a tent campsite base. Students will prepare meals and maintain a clean campsite. Food and cookware is provided, but personal dishes are the responsibility of each student. Groups are encouraged to coordinate efforts and plan effectively. Students will also participate in a visit to the Elliot Lake Mining Museum, health and safety training in the mining industry and visit the Stanrock & Denison Uranium mine reclamation sites.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. **Gain an understanding of industrial site reclamation processes**
Potential Elements of the Performance:

- Exposure to a decommissioned uranium reclamation site.
- Learn how surface water can be treated successfully for return into the environment
- Understand concepts of Land Stewardship.
- Display knowledge of Uranium mining history in Northern Ontario.

2. **Organize and conduct field surveys.**

Potential Elements of the Performance:

- Identify rare vascular plants found on alvars
- Gain an understanding of the ecology of rare vascular plants.
- Measure and record rare plant species and collect inventory data.

3. **Gain exposure to sustainable initiatives on industrial sites**
Potential Elements of the Performance:

- Learn how byproduct & waste power generation work.
- Understand green initiatives at work within industrial sites.
- Exposure to reclamation and sustainable extraction processes.

Perform in a group environment.

4.

Potential Elements of the Performance:

- Show ability to cooperate, work effectively with others.
- Carry out field surveys and summarize results.
- Be on time and 'ready to go' before scheduled departure times
- Act courteously and respect the rights of others throughout the five day trip.
- Abide by all safety procedures and policies for every tour and visitation.

5. **Pack and use personal camping equipment**Potential Elements of the Performance:

- Pack clothes, sleeping bag, tent and food for a five day period with one site move.
- Meal preparation for five days in a remote setting
- Erect and sleep in a tent over a four day period in a remote setting.

III. TOPICS:

1. Industrial Site reclamation
2. Resource based land and water stewardship
3. Pollution control
4. Waste reduction
5. Identify rare vascular plants of Ontario
6. Field Calibration Plot Design
7. Field monitoring

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

- a) Clipboard and pencils
- b) Silva Ranger or Suunto MC-1 compass
- c) GPS unit
- d) Steel-toed boots
- e) Reflective field survey vest
- f) Hard hat
- g) Field guides
- h) Camping Equipment (tent, sleeping bag)

V. EVALUATION PROCESS/GRADING SYSTEM:

The following semester grades will be assigned to students:

S	Satisfactory achievement in field /clinical placement or non-graded subject area.
U	Unsatisfactory achievement in field/clinical placement or non-graded subject area.

VI. SPECIAL NOTES:Grading

An **S** or **U** grade will be assigned based on whether the learning objectives and elements of the performance have been met. Each performance element will be graded as having been completed in a Satisfactory or Unsatisfactory manner. **U** grades in more than 2 of the Elements of Performance will result in a **U** grade for the course.

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.

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.

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 instructor and/or the Special Needs office.

VII. COURSE OUTLINE ADDENDUM:

The provisions contained in the addendum located on the portal form part of this course outline.