

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: FIELD EXERCISES - PART I & PART II

CODE NO.: FOR345-2 (FALL) FOR349-2 (WINTER) SEMESTER: V VI

PROGRAM: INTEGRATED RESOURCE MANAGEMENT TECHNOLOGY

AUTHOR: HAROLD COOPER

DATE: AUGUST 1995 PREVIOUS OUTLINE DATED: MAY, 1994

APPROVED: *H. Cooper*
DEAN, SCHOOL OF SCIENCES &
NATURAL RESOURCES

Aug 25/95
DATE



COURSE NAME

COURSE NUMBER

TOTAL CREDIT HOURS: 32

PREREQUISITE(S): FOR118-2 and FOR221-2

I. PHILOSOPHY/GOALS:

Third year field exercises consist of two parts:

1) Fall field camp at Racine Lake in the Chapleau Crown Game Preserve
2) Southern Ontario field trip in the winter semester. (usually April)
Some activities are specific to one third year option but most activities provide an integrated viewpoint of resource management. Students will participate in most of the following activities: a comprehensive lake survey including water sampling, mapping and sample collection; habitat surveys for common terrestrial game species; small mammal trapping study; population surveys for selected species; tours of local forest industries and forest management sites; tree pruning and thinning exercise; wetland evaluation, tours and work (day(s) at local provincial park(s); and Park interpretation and operations demonstrations. Guest speakers on activities in the game preserve, enforcement and other natural resource-related topics make up evening events at field camp. Various government and private operations are also visited during the April field trip, with numerous speakers.

II. STUDENT PERFORMANCE OBJECTIVES:

Upon successful completion of this course the student will be able to:

1. Describe the major components of a lake survey, and demonstrate use of all appropriate equipment.
2. Demonstrate the ability to safely handle and maintain boats and outboard motors, canoes, and brush saws.
3. Demonstrate the ability to efficiently operate a van with a standard trailer.
4. Describe bear management in Ontario and how the research in the Chapleau Crown Game Preserve fits into this management scheme.
5. Conduct population surveys and habitat surveys for grouse, big game and various small mammalian species.
6. Describe the operation and maintenance activities of a Provincial Park.
7. Demonstrate an understanding of the role of forest industries in timber management activities.
8. Describe proper enforcement procedures for performing vehicle searches, etc.
9. Participate in discussions and demonstrations regarding forestry, park, fish and wildlife and their integrated management at various provincial, federal, municipal and private agencies during the April Southern Ontario field trip.

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II. STUDENT PERFORMANCE OBJECTIVES (continued):

In addition, students in the *Fish and Wildlife* program will be able to:

1. Perform a comprehensive lake survey including water sampling, mapping and sample collections.
2. Demonstrate ability to perform a habitat evaluation for wildlife species.

Students in the *Integrated Resource Management* program will be able to:

1. Perform various work activities in a local provincial park and prepare and present an interpretive presentation based on history of the area.
2. Participate in guided tours of local forest management areas and perform management exercises where required.

III. TOPICS TO BE COVERED:

The following list indicates principle activities that normally take place at field camp. Other integrated activities may be added as they arise in the Chapleau area or in the Chapleau Crown Game Preserve, or during spring field trip. Some of these exercises are not taken by all students of both programs.

Activities	Fish & Wildlife Program	Integrated Resource Management Program
Aquatic Survey	Complete Survey	Basic Survey
Brush Saw Exercise/Thinning	All	All
Small Mammal Study	All	Partial
Population Study (Wildlife)	All	Partial
Forest Industry Tour(s)	Partial	All
Provincial Park Basic Tour	All	All
Provincial Park Work Activity	No	All
Provincial Park Interpretation	Partial	All
Forest Management Tour	No	All
Forest Management Speakers	Partial	All
Van and Trailer Exercise	All	All
Enforcement Exercise	All	All
Wetland Exercise	All	All
Habitat Surveys (Wildlife)	All	Partial
Bear/Moose Management Speakers	All	All

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IV. LEARNING ACTIVITIES: N/A

V. EVALUATION METHODS:

Students must attend field camp and spring field trip and successfully complete each of the activities listed.

Final grades will be assessed on the basis of:

- A. Attendance for each exercise
- B. Participation and successful completion (of each exercise)
- C. Attitude, willingness to help others, cooperation with other field camp participants
- D. Hand-ins from
 - i) Population surveys
 - ii) Habitat surveys
 - iii) Small mammal sheets
 - iv) Others as assigned

Each of the above (A → D) are worth 25% of final grade.

Grading

A+	- Superior effort in all components	+ 90%+
A	- Excellent effort in all components	80 - 89%
B	- Good effort	70 - 79%
C	- Satisfactory effort	60 - 69%
R	- Unsatisfactory effort or attendance	

There will be no rewrite opportunities or re-runs of exercises.

VI. REQUIRED STUDENT RESOURCES:

It is suggested that you bring field guides for identification. Other required materials will be listed in class.

Sleeping bags and other camping gear may be required.

VII. ADDITIONAL RESOURCE MATERIALS AVAILABLE IN THE COLLEGE LIBRARY BOOK SECTION:

N/A

VIII. SPECIAL NOTES:

Students with special needs (e.g. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.