

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

COURSE TITLE: NATURAL RESOURCE PLANNING

CODE NO.: FOR 300-3 SEMESTER: 5

PROGRAM: FISH AND WILDLIFE TECHNOLOGY AND
INTEGRATED RESOURCE MANAGEMENT TECHNOLOGY

AUTHOR: B. CURRELL

: AUGUST 1994 PREVIOUS OUTLINE DATED: AUGUST 1993

APPROVED: *A. Currell*
DEAN

September 06, 1994
DATE



NATURAL RESOURCE PLANNING

FOR 300-3

COURSE NAME

CODE NUMBER

TOTAL CREDIT HOURS: 3

PREREQUISITE(S): None

I. PHILOSOPHY/GOALS:

A project oriented course in which the student inventories, evaluates and prepares a land-use plan for a natural area. Areas for study may be selected by the student to accommodate his/her area of interest. An emphasis is placed on integrated resource use in management of any natural area.

An oral presentation and written report are required for evaluation. Possible projects include day-use parks, interpretive trails, marsh management, trout stream management, upland game management plans, experimental forest or private woodlot management plans.

II. STUDENT PERFORMANCE OBJECTIVES:

The student will select an approved natural area and on that area will be required to:

1. Perform a complete inventory of all pertinent flora, fauna, soil and geological features, natural history and climate, and existing land use.
2. Analyze the features found with respect to significance to their project, and briefly compile them in legible field notes and plot them on maps.
3. Research data regarding the species and area managed to assess the suitability of the prescribed area for these species or activities.
4. Prepare a detailed development plan complete with maps and specifics of all proposals and alternatives, to be presented in proper technical manner.
5. Prepare a promotional brochure to describe the area and the proposed developments there to the public (ie. other students).
6. Present the final management plan to an audience in a professional manner, using appropriate aids.

NATURAL RESOURCE PLANNING

FOR 300-3

COURSE NAME

CODE NUMBER

III. TOPICS TO BE COVERED:

1. Inventory procedures.
2. Methods of literature research.
3. Preparation of development plans.
4. Student presentations.

IV. EVALUATION METHODS:

Weekly progress reports and attendance	- 15%
Progress interviews	- 15
Oral presentation of plan	- 25
Written version of plan	- 30
Promotional brochure describing area	- 15
	<u>100%</u>

Grades:	A+= 85%+ consistently
	A = 80 - 84%
	B = 70 - 79%
	C = 60 - 69%
	R = less than 60%

Attendance Requirements:

Students will be expected to check in every week PRIOR TO CLASS TIME even if there is not a regular class scheduled. There will be a course time-table available to indicate which classes are compulsory as far as classroom attendance is concerned.

NATURAL RESOURCE PLANNING

FOR 300-3

COURSE NAME

CODE NUMBER

IV. EVALUATION METHODS: (Cont'd)

On all other weeks, it is your responsibility to fill in your activity in the attendance book. Activities could include the following:

Field work at -
Research at library
Consultation with -
Map work
Other research

Attendance will also be expected for other presentations. Penalties for neglecting to check in or missing **EACH SEMINAR:**

1 absence	-	0
2 "	-	5%
3 "	-	10%
4 "	-	15%
5 "	-	25%

Final reports and brochures are due 1 week after presentations. Penalty for late reports - One (1) grade per day. After 3 days, a final grade of zero (0) will be assigned to the report. If no report is submitted, a grade of "R" will be assigned.

V. REQUIRED STUDENT RESOURCES:

Field Notebook

VI. SPECIAL NOTES:

PROGRESS REVIEW

Interviews will take place on or about the third week and the sixth week of classes. A schedule will be posted.

For these interviews, please bring the following:

1. A project title for your proposal eg. A day-use plan for Heyden Lakes area recreational activities.
2. Rough maps, showing access to your area and rough locations of pertinent features.

3. Inventory field notes (see inventory hand-out).
4. A project outline.
5. Any other information you feel is necessary to evaluate your effort and progress. eg. photos, slides, etc.
6. A list of questions, if you have any.

SUGGESTED PROCEDURE: (Plan of Attack)

The development of your plan will include the following, generally in this sequence.

1. Selection of Study Area by a "Team" of Students
 - a. Your area of interest eg. hiking trails, interpretation, cold-water fisheries, waterfowl, upland game etc.
 - b. Familiarity with the area.
 - c. Transportation to and from the area.

A map package for each of the listed areas is available from the instructor.

2. Site Inventory and Appraisal

There are various guidelines or methods for inventorying an area. In most cases, you will include:

- a. a brief history of the area
- b. geology/soils description
- c. climate
- d. significant flora
- e. significant fauna
- f. rare and sensitive species
- g. any physical or biological features that will influence your plan eg. social factors, public attitudes
- h. forest description from FRI and Operational cruising results where timber management is your objective

Your rough maps should be used to locate the above features. Some of the above information will be obtained from your research or interviews. The rest will be from on-site observation.

9. Prepare a promotional brochure (see samples).
10. Attend the seminars of your classmates and be prepared to give a critical analysis based on content, organization and presentation of each.

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.