SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO

Sault College

COURSE OUTLINE

COURSE TITLE: SUSTAINABLE RESOURCE MANAGEMENT

CODE NO. : FOR311   **SEMESTER:** 6

PROGRAM: INTEGRATED RESOURCE MANAGEMENT

AUTHOR: DENNIS MONAGHAN / HAROLD COOPER

DATE: JAN00   **PREVIOUS OUTLINE DATED:** JAN 98

APPROVED:

_____ _____
                                  DEAN   DATE

TOTAL CREDITS: 4

PREREQUISITE(S):

**LENGTH OF   3hrs/week
COURSE:**   16weeks   **TOTAL CREDIT HOURS:**   64

I.   COURSE DESCRIPTION:

The concept of sustainability is gradually being implemented throughout the world. Students must not only know the concepts but be able to structure a development program to implement those concepts in all aspects of resource management whether it be in the fields of wildlife, forestry or water-based recreation management.
Students will be expected to research not only daily issues but provide a detailed plan for several individual topics that pertain to global and regional resource management.

This course will provide students with the knowledge too not only understand the impacts of mis-management on any particular resource but also how each is connected and the consequences that may result.

II.   LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1.   **Define and give examples of ecosystem and sustainable resource management.**

Potential Elements of the Performance:
- List and compare previous practices of resource management that may not be sustainable, and describe their impact on the environment.
- Discuss changes in those practices both previously modified and those that need to be modified
- Distinguish between ecosystem / multiple use vs single species / single use approaches in resource management, and the strengths and weaknesses of each.

2.   **Compare local, regional, national, and international sustainable resource development accords and initiatives.**

Potential Elements of the Performance:
- Research and describe a minimum of 8 major global issues in sustainable resource use.
- Evaluate national initiatives within the federal governments of Fisheries and Oceans, Agriculture Canada, Environment Canada and Natural Resources Canada to promote sustainable resource management.

- Examine and critique current case studies such as:

- Lands For Life (planning , implementation)
- Old Growth Forests (Temagami)
- Impact of Exotic Species on the Great Lake's Fish Stock and Ecosystems
- Attend and participate in a workshop or forum that discusses sustainable resource management and its Impacts on resource management systems
- Present a report to the rest of the class on the above topic or a different instructor-approved topic

- Give examples of sustainable initiatives on the part of private Industry, and municipal governments.
- Analyze and assess the 6 criteria and indicators of sustainable Forest management outlined under the National Forest Strategy.

3. Demonstrate how national and international standards and demand for resources impacts Canadian resources and economic activity.

    Potential Elements of the Performance:
    - Research how global resource, economic and population issues can impact on the sustainability of the resource-based industries in Canada using video, internet, LRC and guest speakers as resources.
    - Evaluate how bio-diversity, pollution abatement, and conservation strategies apply to sustainable resource management.

III.   TOPICS:

1. Lake Superior Salmon Fishery

2. Lake Superior Aqua-culture (Water for sale)

3. Goulais River Watershed (Wildlands League)

4. Logging – Commercial vs Private

5. Garden River Fishery

6. Ontario Bear Management

IV.   REQUIRED RESOURCES/TEXTS/MATERIALS:

A comprehensive reference list will be distributed to all students at the beginning of the semester. Sault College Library will have a number of texts, reports, and videos on reserve for this course. Students will also gain experience by searching the internet for relevant material.

V.   EVALUATION PROCESS/GRADING SYSTEM:

Each student will be required to prepare a formal report on specific subjects regarding sustainable resources. A list of pertaining topics will be provided or the student may choose a relevent topic of his/her own. Weekly submissions will be required to show progress and allow for technical assistance if required. The student will also provide an in class presentation in regards to the report.

Due dates for assignments will be clearly indicated when they are handed out. Penalties will apply for late submissions. Assignments will be due at noon on the date specified regardless of class schedule.

A late penalty for assignments of 10% per college scheduled class day or portion thereof will be assessed. After 10 late days the assignment will be worth zero; however, it must still be submitted. The final grade will be based on two tests, two assignments, a research project and a class presentation.

Tests (2 at 20% each)   Total = 40%
Assignments (2at 10%)   Total = 20%
Research Project (1at 30%)   Total = 30%
Class Presentation (1 at 10%)   Total = 10%
                                                        _____
                                                        100%

Attendance: Attendance will be mandatory for sessions where guest speakers are participating and for presentations by classmates, and will be evaluated by a short quiz. There will be no opportunity to make up missed quizzes.

The following semester grades will be assigned to students in post-secondary courses:

Grade	Definition	Grade Point Equivalent
A+	90 - 100%	4.00
A	80 - 89%	3.75
B	70 - 79%	3.00
C	60 - 69%	2.00
R (Repeat)	59% or below	0.00
CR (Credit)	Credit for diploma requirements has been awarded.	
S	Satisfactory achievement in field placement or non-graded subject areas.	
U	Unsatisfactory achievement in field placement or non-graded subject areas.	
X	A temporary grade. This is used in limited situations with extenuating circumstances giving a student additional time to complete the requirements for a course (see *Policies & Procedures Manual – Deferred Grades and Make-up*).	
NR	Grade not reported to Registrar's office. This is used to facilitate transcript preparation when, for extenuating circumstances, it has been impossible for the faculty member to report grades.	

VI.   SPECIAL NOTES:

Special Needs:
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. Visit Room E1204 or call Extension 493, 717, or 491 so that support services can be arranged for you.

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 post-secondary institutions.

<u>Plagiarism</u>
Students should refer to the definition of "academic dishonesty" in *Student Rights and Responsibilities*. Students who engage in "academic dishonesty" will receive an automatic failure for that submission and/or such other penalty, up to and including expulsion from the course, as may be decided by the professor. 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.

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.

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

VII.   PRIOR LEARNING ASSESSMENT:

Students who wish to apply for advanced credit in the course should consult the instructor. Credit for prior learning will be given upon successful completion of the following:

VIII.   DIRECT CREDIT TRANSFERS:

Students who wish to apply for direct credit transfer (advanced standing) should obtain a direct credit transfer form from the Dean's secretary. Students will be required to provide a transcript and course outline related to the course in question.