

SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



COURSE OUTLINE

COURSE TITLE: Sustainable Resource Management

CODE NO. : NRT 235

SEMESTER: 4

PROGRAM: Adventure Recreation & Parks, Forest Conservation, Fish & Wildlife Conservation

AUTHOR: Dave Bronson / John Clement / Brian Anstess

DATE: Jan, 2014

PREVIOUS OUTLINE DATED: Jan 2013

APPROVED:

"Colin Kirkwood"

Jan 2014

Dean

DATE

TOTAL CREDITS:

- 2When comparing the original submission grade the student will receive benefit of the higher grade.

PREREQUISITE(S): None

HOURS/WEEK: 2 hours per week

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For additional information, please contact Colin Kirkwood, Dean.

*School of Natural Environment/Outdoor Studies & Technology Programs
(705) 759-2554, Ext. 2688*

I. COURSE DESCRIPTION:

This course will provide the learner with an appreciation of the essential interconnectedness of the values of integrated resource management from a Sustainable Resource Management perspective. Emphasis will be placed on how natural environment management practices impact on society. Understanding of natural systems and biodiversity will serve as a focal point of the course. Students will gain an understanding of the impact of cultural and social characteristics on sustainability of natural ecosystems and explore how the concepts and practices affect their lives.

II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1. Explain the principles of sustainable resource management and integrated resource management as they impact on natural ecosystems and society.

Potential Elements of the Performance:

- Distinguish between integrated resource management and sustainable resource management.
- Differentiate between a forest use and a forest value.
- Discuss the significance of integrated resource management and sustainable resource management on society.

2. Integrate the concepts of biodiversity and old growth into sustainable resource management and integrated resource management.

Potential Elements of the Performance:

- Define the concepts of biodiversity and old growth.
- Understand the significance of biodiversity and old growth in relation to sustainable resource management and integrated resource management.
- Adopt a perspective that respects the importance of the values provided by biodiversity and old growth.
- Discuss ways that biodiversity can be maintained while carrying out resource management.
- Explain why the setting aside of large tracts of land for wilderness is important to society.

3. Develop an informed opinion on the realities of past and present climate change events, relating them to future impacts on sustainable resource management and integrated resource management.

Potential Elements of the Performance:

- Explain the elements of competing theories on global warming and climate change.
 - Examine the impacts of climate change and global warming on sustainable resource management and integrated resource management.
 - Connect the impacts of global warming to the evolution of the forest ecosystem.
4. Justify the essential connections between timber management, wildlife management and outdoor recreational management in relation to sustainable resource management and integrated resource management.

Potential Elements of the Performance:

- Examine the impacts of timber management on sustainable resource management and integrated resource management.
- Appreciate the role of forest management on wildlife management and outdoor recreation management.
- Understand how the basic concepts of wildlife management relate to sustainable resource management and integrated resource management.
- Integrate societal needs for outdoor recreation into sustainable resource management and integrated resource management.
- Link natural resources protection practices to sustainable resource management and integrated resource management.

III. TOPICS:

1. Sustainable resource management and integrated resource management.
2. Maintaining Biodiversity.
3. Old Growth Forests.
4. Impacts of Forest Management on Terrestrial and Aquatic Environments.
5. Wildlife Habitat.
6. Forest Hydrology.
7. Shoreline and Stream bank Management and Protection.
8. Protecting Forest Values.
9. Climate Change.
10. Outdoor Recreation Management

IV. REQUIRED RESOURCES/TEXTS/MATERIALS:

Sustainable Resource Management Study Guide. Loaded onto LMS

V. EVALUATION PROCESS/GRADING SYSTEM:

<i>2 Tests</i>	<i>50%</i>
<i>Quizzes</i>	<i>20%</i>
<i>Research assignments</i>	<i>20%</i>
<i>In class assignments</i>	<i>10%</i>

The following semester grades will be assigned to students:

Grade	<u>Definition</u>	<i>Grade Point Equivalent</i>
A+	90 – 100%	4.00
A	80 – 89%	3.00
B	70 - 79%	2.00
C	60 - 69%	1.00
D	50 – 59%	0.00
F (Fail)	49% and below	
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:**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.

VII. COURSE OUTLINE ADDENDUM:

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