SAULT COLLEGE

SAULT STE. MARIE, ONTARIO

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COURSE OUTLINE

COURSE TITLE: Stewardship Planning

CODE NO. : NET 352   **SEMESTER:** 5

PROGRAM: Natural Environment Technologist

AUTHOR: Brent Attwell

DATE: Aug 2016   **PREVIOUS OUTLINE DATED:** August 2015

APPROVED:

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C.Kirkwood   Aug '16

Dean   **DATE**

TOTAL CREDITS: 3

PREREQUISITE(S): None

HOURS/WEEK: 3

I.   COURSE DESCRIPTION:
This is a project oriented course in which teams of 2 students will select a natural area of 50 to 500 acres in size and then evaluate, inventory, and prepare a land use plan. The format of a *Forest Stewardship Plan* as required for the Ontario Managed Forest Tax Incentive Program is the one that will be followed. Study locations will be selected by the student groups from a list prepared by the instructor, though additional study areas of personal interest may be acceptable upon approval. Students will recommend and explain how the property should be actively managed in order to sustain its natural resources in an integrated way.   An oral presentation and written Stewardship Plan make up a large percentage of the course evaluation.

II.   LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:

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

1.   **Carry out an inventory of the biotic and abiotic resources in a study area**
      Potential Elements of the Performance:
      - Select a study area of interest
      - Obtain aerial photographs, contour maps, stand maps and/or other pertinent background information related to the area
      - Locate the study area on the ground and walk around it, attempting to establish boundaries by identifying survey stakes, fence rows etc.
      - Subdivide the study area into compartments which are uniform in species composition, arrangement, condition and age
      - Using acceptable survey methods and following the format of the Guide to Stewardship Planning for Natural Areas or other instructor approved inventory methods; inventory each compartment in terms of area history, site characteristics, , forest vegetation and wildlife habitat
      - Present the results of this inventory in a mid-term interview and in a management plan

           (this outcome will constitute 30% of the final grade)

2.   Prepare a written Stewardship Plan to a standard acceptable for approval under the Ontario Managed Forest Tax Incentive Program (MFTIP)

Potential Elements of the Performance:
- List all the administration property information
- List the property location
- Describe the properties previous management history and importance on a property level as well as it's importance to the surrounding area.
- Prepare a property location map and detailed administration map of the property.
- Describe and prioritize the objectives for management of the entire area and explain the strategy for plan implementation.
- For each compartment, summarize inventory data as required that meets the objectives of the landowner and the MFTIP criteria.
- For each compartment, complete a description of the long-term objectives and short-term activities you propose in the next 10 year period
- Describe in detail in a summary chart the proposed activities for the 10 year period.

(this outcome will constitute 50% of the final grade)

3. **Present your plan orally to the class and outside guests**

Potential Elements of the Performance:
- Present your final stewardship plan to an audience in a professional manner using appropriate audio visual aids.
- Introduce the area, it's location, owners, management history and objectives
- Describe the compartments into which the study area has been divided,
- Provide detail concerning the long-term objectives and short term activities planned for each compartment (most detailed)
- Prepare a promotional presentation including digital images and other audio visual materials that will effectively describe the area and proposed developments.

(this outcome will constitute 20% of the final grade)

III.   TOPICS:

1. MFTIP
2. Private Land Management

3.   MFTIP Approver
4.   Professional Report
5.   Objectives and Sustainable Management Alternatives

IV.   REQUIRED RESOURCES/TEXTS/MATERIALS:

None

V.   EVALUATION PROCESS/GRADING SYSTEM:

Presentation   20%
Mid-Term Evaluation   30%
Final Report   50%
Total   **100%**

The following semester grades will be assigned to students:

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

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:

<u>Attendance:</u>
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.

This course assist students with developing a report similar to consulting services offered across the province of Ontario through the Ministry of Natural Resources and thus supports private land stewardship.

VII.   COURSE OUTLINE ADDENDUM:

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