

**SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY**

**SAULT STE. MARIE, ONTARIO**



**COURSE OUTLINE**

**COURSE TITLE:** FOREST MANAGEMENT AND PLANNING

**CODE NO. :** NRT248 **SEMESTER:** 4

**PROGRAM:** FOREST CONSERVATION TECHNICIAN (5210)

**AUTHOR:** Dave Bronson

**DATE:** Jan 2015 **PREVIOUS OUTLINE DATED:** Dec 2013

**APPROVED:**

	"C.Kirkwood"	Jan' 15
	_____	_____
	Dean	DATE

**TOTAL CREDITS:** 4

**PREREQUISITE(S):** NONE

**HOURS/WEEK:** 4

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**(705) 759-2554, Ext. 2688**

**I. COURSE DESCRIPTION:**

Forest Management and Planning focuses attention on a wide range of resource management issues that relate to the forest management planning process in Ontario. Emphasis is placed on legislation and practical aspects of planning for forest access, forest harvesting and silvicultural operations. The Forest Management and Planning Manual, Landscape Guide, Stand and Site Guide and the Ontario Forest Tenure Modernization Act, 2011 will act as references. Emphasis will be placed on incorporating practical GIS applications into labs and projects.

**II. LEARNING OUTCOMES AND ELEMENTS OF THE PERFORMANCE:**

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

**1. Understand concepts and terms in strategic planning**

Potential Elements of the Performance:

- Knowledge and understanding of the Forest Management Planning Manual
- Knowledge and understanding of the Stand and Site Guide
- Knowledge and understanding of the Landscape Guide
- Understanding of the key milestones of strategic planning in Ontario
- Understand the Ontario Forest Tenure Modernization Act in relation to Forest Management planning

*This learning outcome will constitute approximately 10% of the course's grade*

**2. Complete technical requirements of operational planning**

Potential Elements of the Performance:

- Knowledge and understanding of sizing water crossings
- Knowledge and understanding of selecting harvest areas
- Knowledge and understanding of forest access road planning
- Knowledge and understanding of forestry pit planning
- Knowledge and understanding of renewal and maintenance
- Developing Area Of Concern (AOC) prescriptions
- Developing Silvicultural Ground Rules (SGR)
- Developing Conditions on Regular Operations (CRO)

- Knowledge and understanding of the public consultation process

*This learning outcome will constitute approximately 40% of the course's grade*

### 3. **Develop an Annual Work Schedule (AWS)**

Potential Elements of the Performance:

- Creating an Annual Work Schedule using supplied and collected data and the required texts
- Knowledge and understanding of the components of an AWS
- Locating and selecting water crossings
- Selecting and developing harvest areas
- Locating roads and selecting forestry pit locations
- Selecting appropriate areas for renewal and maintenance
- Developing appropriate Area of Concern (AOC) prescriptions
- Developing appropriate Silvicultural Ground Rules (SGR) and Conditions on Regular Operations (CRO)
- Grammar, style, and elegance of the AWS

*This learning outcome will constitute approximately 20% of the course.*

### 3. **Complete an Annual Report (AR)**

Potential Elements of the Performance:

- Creating an Annual Report using supplied data and the required texts
- Reporting Forest Operations
- Reporting Monitoring and Assessment
- Compiling Annual Report tables
- Compiling Annual Report information products
- Grammar, style and elegance of the AR

*This learning outcome will constitute approximately 20% of the course's grade*

### 4. **Examinations**

Potential Elements of the Performance:

- Demonstrate knowledge and understanding of concepts and terms in strategic forest management planning

- Demonstrate knowledge and understanding of the technical requirements of operational planning
- Demonstrate knowledge and understanding of the Annual Work Schedule process
- Demonstrate knowledge and understanding of the Annual Report process

*This learning outcome will constitute approximately 10% of the course's grade*

### **III. TOPICS:**

1. Strategic forest management planning in Ontario
2. Technical requirements of operational planning in Ontario
3. Operational planning in Ontario
4. Forest management reporting in Ontario

### **IV. REQUIRED RESOURCES/ TEXTS/ MATERIALS:**

Forest Management Planning Manual for Ontario's Crown Forests, 2009

Forest Management Guide for Conserving Biodiversity at the Stand and Site Scales, 2010

Forest Management Guide for Great Lakes - St. Lawrence Landscapes, 2010

Ontario Forest Tenure Modernization Act, 2011

\* All required texts are available (free) online in pdf format from the Ministry of Natural Resources website. All required texts will be available to the student through the LMS portal for NRT 248

**V. EVALUATION PROCESS/GRADING SYSTEM:**

Assignments <sup>1</sup>	70%
Tests and Quizzes	20%
Attendance <sup>2</sup>	10%

<sup>1</sup>All assignments must be submitted at the start of class on the due date. There will be a 10% penalty for late assignments. Late assignments will not be accepted after that assignment has been marked and returned to the class.

<sup>2</sup>Students must be present at the beginning and end of each class to be considered present.

**“VERY IMPORTANT”**

The following semester grades will be assigned to students:

<u>Grade</u>	<u>Definition</u>	<u>Grade Point Equivalent</u>
A+	90 - 100%	4.00
A	80 - 89%	4.00
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:**

Course Outline Amendments:

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.

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 postsecondary institutions.

Prior Learning Assessment:

Students who wish to apply for advance credit transfer (advanced standing) should obtain an Application for Advance Credit from the program coordinator (or the course coordinator regarding a general education transfer request) or academic assistant. Students will be required to provide an unofficial transcript and course outline related to the course in question. Please refer to the Student Academic Calendar of Events for the deadline date by which application must be made for advance standing. Credit for prior learning will also be given upon successful completion of a challenge exam or portfolio. Substitute course information is available in the Registrar's office.

Disability Services:

If you are a student with a disability (e.g. physical limitations, visual impairments, hearing impairments, or learning disabilities), you are encouraged to discuss required accommodations with your professor and/or the Disability Services office. Visit Room E1101 or call Extension 2703 so that support services can be arranged for you.

Communication:

The College considers **WebCT/LMS** as the primary channel of communication for each course. Regularly checking this software platform is critical as it will keep you directly connected with faculty and current course information. Success in this course may be directly related to your willingness to take advantage of the **Learning Management System** communication tool.

Plagiarism:

Students should refer to the definition of “academic dishonesty” in *Student Code of Conduct*. A professor/instructor may assign a sanction as defined below, or make recommendations to the Academic Chair for disposition of the matter. The professor/instructor may (i) issue a verbal reprimand, (ii) make an assignment of a lower grade with explanation, (iii) require additional academic assignments and issue a lower grade upon completion to the maximum grade “C”, (iv) make an automatic assignment of a failing grade, (v) recommend to the Chair dismissal from the course with the assignment of a failing grade. 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.

Student Portal:

The Sault College portal allows you to view all your student information in one place. **mysaultcollege** gives you personalized access to online resources seven days a week from your home or school computer. Single log-in access allows you to see your personal and financial information, timetable, grades, records of achievement, unofficial transcript, and outstanding obligations. Announcements, news, the academic calendar of events, class cancellations, your learning management system (LMS), and much more are also accessible through the student portal. Go to <https://my.saultcollege.ca>.

Electronic Devices in the Classroom:

Students who wish to use electronic devices in the classroom will seek permission of the faculty member before proceeding to record instruction. With the exception of issues related to accommodations of disability, the decision to approve or refuse the request is the responsibility of the faculty member. Recorded classroom instruction will be used only for personal use and will not be used for any other purpose. Recorded classroom instruction will be destroyed at the end of the course. To ensure this, the student is required to return all copies of recorded material to the faculty member by the last day of class in the semester. Where the use of an electronic device has been approved, the student agrees that materials recorded are for his/her use only, are not for distribution, and are the sole property of the College.

Tuition Default:

Students who have defaulted on the payment of tuition (tuition has not been paid in full, payments were not deferred or payment plan not honoured) as of the first week of *March* will be removed from placement and clinical activities. This may result in loss of mandatory hours or incomplete course work. Sault College will not be responsible for incomplete hours or outcomes that are not achieved or any other academic requirement not met as of the result of tuition default. Students are encouraged to communicate with Financial Services with regard to the status of their tuition prior to this deadline to ensure that their financial status does not interfere with academic progress.

**VII. COURSE OUTLINE ADDENDUM:**

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