

# SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ONTARIO



## COURSE OUTLINE

**COURSE TITLE:** Outdoor Equipment Certifications

**CODE NO. :** NET 107 **SEMESTER:** 15S

**PROGRAM:** Dual Credit

**AUTHOR:** Barry Oja, Jeff Cartwright, Steve Coulter

**DATE:** May 2015 **PREVIOUS OUTLINE DATED:** Jan /15

**APPROVED:** "Colin Kirkwood, Dean,  
Environment and Technology" May 2015

---

**Dean** **DATE**

**TOTAL CREDITS:** 3 credits

**PREREQUISITE(S):** None

**HOURS/WEEK:** 5 hrs/week for 9 weeks

**Copyright ©2010 The Sault College of Applied Arts & Technology**  
*Reproduction of this document by any means, in whole or in part, without prior written permission of Sault College of Applied Arts & Technology is prohibited.*  
*For additional information, please contact Colin Kirkwood, Dean,*  
*Environment and Technology.*  
*(705) 759-2554, Ext.2688*

- I. **COURSE DESCRIPTION:** Students will be trained through lectures and/or hands-on experience in the safe operation, care and maintenance of; ATV's, chainsaws, clearing saws and motor boats. They will have the potential to earn safe operating certificates if they are successful with both the hands-on and the theory portion. **To be eligible to receive a safety certificate, students must attend all theory and field portions of the course.**

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

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

1. Safely operate a chainsaw at a basic level. This outcome represents 20% of the final grade.  
Potential Elements of the Performance:  
Participate in all lectures and labs on safe operation and maintenance of chain saws.  
Demonstrate safe operating techniques and saw maintenance including: saw safety and inspection, sharpening, fuel mixing, minor maintenance, use of personal protective equipment, safe starting procedures, directional notching and bucking.  
Safe limbing and light duty felling will be discussed in lab.  
Recognize dangerous situations and describe ways to avoid them.
2. To understand the Safe operation of a clearing saw at a basic level. This outcome represents 20% of the final grade. Safely operate a clearing saw at a basic level during field camp.  
Potential Elements of the Performance:  
Participate in all lectures on safe operation, proper use of personal protective equipment, safe starting procedures, maintenance of clearing saws and proper handling procedures.  
Demonstrate safe operating techniques including: proper use of personal protective equipment, safe starting procedures, fuel mixtures and proper handling procedures.
3. Safely operate an ATV at a basic level. This outcome represents 20% of the final grade.  
Potential Elements of the Performance:  
Participate in all lectures and labs on safe operation and maintenance of ATV's.  
Demonstrate safe riding techniques including: circle check, use of personal protective equipment, starting procedures, appropriate hand

signaling, braking, mounting, dismounting, and weight transfer.  
Recognize dangerous situations and describe ways to avoid them.

4. The Safe Operation & Maintenance of a boat and motor. This outcome represents 20% of grade. Students will have the opportunity to **acquire** a Pleasure Craft Operator Card (PCOC) which is required by all persons operating a powered pleasure craft since September 15, 2009. This outcome does not factor into the grading for this course as a student may already possess a valid PCOC. There is an additional cost to obtain this card.

Potential Elements of the Performance:

Participate in all lectures and labs on safe operation and maintenance of boats and motors. Demonstrate knowledge of safe boating techniques including: proper safety equipment, proper use of personal protective equipment, proper starting & stopping of motor, proper and appropriate docking procedures, proper and safe driving techniques

Recognize dangerous situations and describe ways to avoid them.  
Recognize environmental impacts on Canadian waters.  
Know and understand rules and regulations for recreational boating.

### **III. TOPICS:**

1. Safe chainsaw operation.
2. Safe ATV operation.
3. Safe Clearing Saw operation.
4. Safe Motor Boat operation.

### **IV. REQUIRED RESOURCES/TEXTS/MATERIALS: Students must be dressed appropriately for all weather conditions and have all appropriate personal safety equipment. Specialized safety equipment needed for specific course instruction will be provided.**

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

Chainsaw Safe Operation Theory Test	15 %
Chainsaw Safe Operation, Field Participation	5 %
ATV Safe Riding Theory Test	15 %
ATV Safe Riding, Field Participation	5 %
Clearing Saw Safe Operation Theory Test	15 %
Clearing Saw Safe Operation, Field Participation	5 %
Safe Boating Theory Test	15 %
Safe Boating Operation, Field Participation	5 %
Final Exam	<u>20 %</u>
	100 %

Unsafe operation of field equipment may result in a reduction of the Field Participation mark.

The following semester grades will be assigned to students:

<b>Grade</b>	<b><u>Definition</u></b>	<b><i>Grade Point Equivalent</i></b>
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:**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. *It is the departmental policy that once the classroom door has been closed, the learning process has begun. Late arrivers may not be granted admission to the room.*

**In order to receive a safe operating certificate for ATV, boating, chainsaw, and clearing saw, full attendance in all theory and field portions is required. Students will not have the opportunity to make up missed labs. Due to safety concerns, students who do not attend all theory labs will not be permitted to operate the equipment.**

**The Pleasure Craft Operator Card, is not factored into the academic evaluation of the course, but is required to operate a motor boat.**

**Laptops will be permitted for course related use only!**

**Cell phones must be turned off and will not be used during class times for student safety.**

**Zero tolerance will be given for horseplay, and students suspected to be under the influence of prohibited substances in accordance with the students rights and responsibilities handbook. This will result in immediate removal from the class.**

**VII. COURSE OUTLINE ADDENDUM:**

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

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. Certifications may be added or removed depending on the size of the group and the availability of equipment and staffing.