



COURSE OUTLINE: NET107 - OUTDOOR EQUIP CERT

Prepared: Barry Oja & Jeff Cartwright

Approved: Sherri Smith, Chair, Natural Environment, Business, Design and Culinary

Course Code: Title	NET107: OUTDOOR EQUIPMENT CERTIFICATIONS
Program Number: Name	5212: ADVENTURE RECREATION 5214: FISH/WILD CONSERVATN 5220: NAT ENVIRONMENT TN 5221: NAT ENVIRONMENT TY 5230: FORESTRY TECHNICIAN
Department:	NATURAL RESOURCES PRG
Semesters/Terms:	18S, 19F, 20W
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, motor boats and snowmobiles. 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.
Total Credits:	3
Hours/Week:	4
Total Hours:	45
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Substitutes:	NRT138
Vocational Learning Outcomes (VLO's) addressed in this course: Please refer to program web page for a complete listing of program outcomes where applicable.	5212 - ADVENTURE RECREATION VLO 1 Demonstrate clear, concise and industry appropriate written, spoken and visual communication skills. VLO 9 Safely operate and maintain equipment used in Adventure Recreation and Park operations. VLO 11 Analyze, evaluate and apply subjective and objective safety considerations for Adventure Recreation and Parks activities. 5214 - FISH/WILD CONSERVATN VLO 1 Demonstrate clear, concise and industry appropriate written, spoken and visual communication skills VLO 9 Safely operate and maintain equipment used in Fish and Wildlife Conservation. VLO 11 Analyze, evaluate and apply subjective and objective safety considerations. 5220 - NAT ENVIRONMENT TN VLO 2 Utilize natural resources equipment and technology to accurately identify ecosystem components for purposes of conserving and managing natural resources. VLO 7 Work safely in adherence to occupational health and safety standards.



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Essential Employability Skills (EES) addressed in this course:

Course Evaluation:

Other Course Evaluation & Assessment Requirements:

Course Outcomes and Learning Objectives:

5221 - NAT ENVIRONMENT TY

- VLO 2 Utilize natural resources information technology equipment to assemble, analyze and present identified ecosystem components for purposes of conserving and managing natural resources.
- VLO 7 Ensure all work is safely completed in adherence to occupational health and safety standards.

5230 - FORESTRY TECHNICIAN

- VLO 7 Select, operate, troubleshoot and maintain tools and equipment in a variety of environmental conditions and in accordance with safety and operating standards.
- VLO 8 Work independently and in a collaborative environment while applying effective teamwork, leadership and interpersonal skills.
- VLO 9 Communicate technical information to a variety of stakeholders in oral, written, visual and electronic forms.

- EES 1 Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.
- EES 5 Use a variety of thinking skills to anticipate and solve problems.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Passing Grade: 50%, D

Academic success is directly linked to attendance. Missing more than 1/3 of class hours in a semester shall result in an F grade for the course.

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Safely operate a chainsaw at a basic level. This outcome represents 20% of the final grade.	1.1 Participate in all lectures and labs on safe operation and maintenance of chain saws. 1.2 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. 1.3 Safe limbing and light duty felling will be discussed in lab. 1.4 Recognize dangerous situations and describe ways to avoid them.
Course Outcome 2	Learning Objectives for Course Outcome 2
2. To understand the safe operation of a clearing saw at a basic level. This outcome represents 10% of the final grade. Safely operate a clearing saw at a basic level during field activities.	2.1 Participate in all lectures on safe operation, proper use of personal protective equipment, safe starting procedures, maintenance of clearing saws and proper handling procedures. 2.2 Demonstrate safe operating techniques including: proper use of personal protective equipment, safe starting procedures, fuel mixtures and proper handling procedures.
Course Outcome 3	Learning Objectives for Course Outcome 3
3. Safely operate an ATV at a basic level. This outcome	3.1 Participate in all lectures and labs on safe operation and maintenance of ATV's.

	represents 20% of the final grade.	3.2 Demonstrate safe ATV riding techniques including: circle check, use of personal protective equipment, starting procedures, appropriate hand signaling, braking, mounting, dismounting, and weight transfer. 3.3 Recognize dangerous situations and describe ways to avoid them.																		
	Course Outcome 4	Learning Objectives for Course Outcome 4																		
	4. Discuss and understand the Safe Operation & Maintenance of a boat with motor and snowmobile. 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.	4.1 Participate in all lectures and labs on safe operation and maintenance of boats with motors and snowmobiles. 4.2 Demonstrate knowledge of boat safety including: proper safety equipment and proper use of personal protective equipment 4.3 Understand important concepts of boating including: Proper starting & stopping of motor, proper and appropriate docking procedures, proper and safe driving techniques. 4.3 Recognize dangerous situations related to boating and snowmobiling and describe ways to avoid them. 4.4 Recognize environmental impacts on Canadian waters. 4.5 Know and understand rules and regulations for recreational boating. 4.6 Understand important concepts related to Snowmobile operation.																		
Evaluation Process and Grading System:	<table><tr><th>Evaluation Type</th><th>Evaluation Weight</th></tr><tr><td>ATV Field Training</td><td>10%</td></tr><tr><td>ATV Test</td><td>10%</td></tr><tr><td>Chainsaw Field Training</td><td>10%</td></tr><tr><td>Chainsaw Test</td><td>10%</td></tr><tr><td>Clearing Saw Test</td><td>10%</td></tr><tr><td>Final Test</td><td>20%</td></tr><tr><td>Safe Boating & SnowmobilingTest</td><td>20%</td></tr><tr><td>Safe Boating or Snowmobiling Field Training</td><td>10%</td></tr></table>		Evaluation Type	Evaluation Weight	ATV Field Training	10%	ATV Test	10%	Chainsaw Field Training	10%	Chainsaw Test	10%	Clearing Saw Test	10%	Final Test	20%	Safe Boating & SnowmobilingTest	20%	Safe Boating or Snowmobiling Field Training	10%
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Date:	June 19, 2019																			
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.																			

