



COURSE OUTLINE: NRT252 - FALL CAMP-FOR-2ND YR

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Approved: Karen Hudson, Dean, Community Services and Interdisciplinary Studies

Course Code: Title	NRT252: FALL CAMP - FORESTRY - 2ND YEAR
Program Number: Name	5230: FORESTRY TECHNICIAN
Department:	NATURAL RESOURCES PRG
Academic Year:	2024-2025
Course Description:	This intensive 4-day camp is designed for second year students in the Forest Technician program. The camp provides a hands-on learning experience, allowing students to apply their classroom knowledge in a real-world setting. Throughout the camp, students will visit a variety of forest ecosystem and management sites, gaining practical skills essential for their future careers. By the end of this camp, students will have developed a robust set of practical forestry skills, gaining valuable field experience, and be better prepared for advanced courses and professional opportunities in the field of forestry.
Total Credits:	2
Hours/Week:	2
Total Hours:	30
Prerequisites:	There are no pre-requisites for this course.
Corequisites:	There are no co-requisites for this course.
Vocational Learning Outcomes (VLO's) addressed in this course:	5230 - FORESTRY TECHNICIAN
Please refer to program web page for a complete listing of program outcomes where applicable.	VLO 1 Conduct forest inventory surveys and field measurements to determine forest resources and values in forests and woodlots.
	VLO 2 Assess soil characteristics, vegetation and wildlife habitats to identify their interactions within forest ecosystems.
	VLO 3 Perform technical functions in silvicultural operations and assist in the monitoring and evaluation of the effectiveness of silvicultural practices.
	VLO 4 Collect, analyze, interpret, and display spatial data using mapping technology and Geographical Information Systems (GIS) to contribute to forest resource management.
	VLO 5 Contribute to sustainable forest management plans, including conservation and rehabilitation measures, taking into consideration the perspectives of a variety of stakeholders and the requirements of relevant legislation and regulations.
	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.
	Essential Employability



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Skills (EES) addressed in this course:

- that fulfills the purpose and meets the needs of the audience.
- EES 2 Respond to written, spoken, or visual messages in a manner that ensures effective communication.
- EES 4 Apply a systematic approach to solve problems.
- EES 5 Use a variety of thinking skills to anticipate and solve problems.
- EES 6 Locate, select, organize, and document information using appropriate technology and information systems.
- EES 7 Analyze, evaluate, and apply relevant information from a variety of sources.
- EES 9 Interact with others in groups or teams that contribute to effective working relationships and the achievement of goals.
- EES 10 Manage the use of time and other resources to complete projects.
- EES 11 Take responsibility for ones own actions, decisions, and consequences.

Course Evaluation:

Satisfactory/Unsatisfactory
&
A minimum program GPA of 2.0 or higher where program specific standards exist is required for graduation.

Other Course Evaluation & Assessment Requirements:

Academic success is directly linked to attendance. Missing more than 1/4 of the field days in this course shall result in an F grade for the course.

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
1. Navigate accurately and quickly through a forested landscape using mechanical and electronic navigation aids.	1.1 Properly use a magnetic hand compass with declination set. 1.2 Properly use a GPS unit to locate field positions, mark locations and enter field coordinates.
Course Outcome 2	Learning Objectives for Course Outcome 2
2. Explore concepts and foundations of tree marking.	2.1 Measure tree numbers, heights and diameters 2.2 Establish plots of a designated size and calculate number of trees/ha and volume of trees/ha. 2.3 Understand how to conduct a stand analysis with a prism sweep. 2.4 Identify tree defects.
Course Outcome 3	Learning Objectives for Course Outcome 3
3. Apply field data collection techniques, including tree measurement, species identification and other assessments, to real-world forestry scenarios.	3.1 Demonstrate the ability to accurately measure tree diameter at breast height (DBH) and height using appropriate forestry tools and techniques. 3.2 Understand crop tree, crown spacing, bole spacing, etc. 3.3 Recognize wildlife values important to maintaining a healthy forest. 3.4 Identify common tree species.
Course Outcome 4	Learning Objectives for Course Outcome 4
4. Complete a brushing or	4.1 Mark crop trees to retain using crop tree criteria.



	pre-commercial thinning exercise.	4.2 Safely operate a brush saw following a safety tailboard. 4.3 Audit the performance of other teams based on following guidelines provided.
	Course Outcome 5	Learning Objectives for Course Outcome 5
	5. Conduct renewal and regeneration activities to evaluate stand health and inform management practices on an operational level.	5.1 Participate in renewal activities according to specified standards. 5.2 Conduct regeneration assessment according to provincial standards.
	Course Outcome 6	Learning Objectives for Course Outcome 6
	6. Be able to follow instructions and work as part of a cooperative, productive team in the forest.	6.1 Demonstrate ability to organize and complete work in an efficient and timely manner. 6.2 Demonstrate the ability to work as part of a team. 6.3 Conduct all work in a manner that respects the safety of other crew members. 6.4 Wear all safety equipment (hardhat, safety boots) as required. 6.5 Recognize potential hazards while working in the forest and the steps that can be taken to minimize risks to crew members
Date:	July 17, 2024	
Addendum:	Please refer to the course outline addendum on the Learning Management System for further information.	