

COURSE OUTLINE: NRT203 - TREE MARKING

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

5230: FORESTRY TECHNICIAN					
NATURAL RESOURCES PRG					
18F					
Tree Marking is designed to introduce students to basic concepts of tree marking in the partial harvest system. It will prepare students to meet provincial standards for operational tree marking in Ontario in both hardwood and pine. Students taking this course may be eligible for provincial tree marking certification through a cooperative arrangement with the Ontario Ministry of Natural Resources and Forestry (OMNRF). The provincial tree marking certification course is not a part of this course and must be completed separately by interested students on their own and at their own expense. The NEOS department may assist in providing opportunities for students to become certified.					
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There are no pre-requisites for this course.					
There are no co-requisites for this course.					
nd field measurements to determine forest d woodlots.					
cultural operations and assist in the monitoring of silvicultural practices.					
s, pests, invasive species and other disturbance rategies to maintain and improve forest					
naintain tools and equipment in a variety of cordance with safety and operating standards.					
orative environment while applying effective sonal skills.					
to a variety of stakeholders in oral, written, visual					
fessional development to enhance work					
d correctly in the written, spoken, and visual form the needs of the audience.					
ial magazaga in a mannar that anguras affactive					
al messages in a manner that ensures effective					

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	EES 4 EES 5	Apply a systematic approach to solve problems. 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 8	Show respect for the diverse opinions, values, belief systems, and contributions of others.
	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:	Passing	Grade: 50%, D

Books and Required Resources:

Ontario Tree Marking Guide by OMNR Publisher: Ontario Ministry of Natural Resources

Version 1.1

Course Outcomes and Learning Objectives:

Course Outcome 1	Learning Objectives for Course Outcome 1
Understand and apply the silvicultural and management principles and guidelines for tolerant hardwood stands in Ontario.	1.1 List the silvical characteristics of tolerant hardwood species in Central Ontario. 1.2 Understand and identify timber and non-timber values found in tolerant hardwood stands. 1.3 List the key objectives of and components of the tolerant hardwood tree marking program in Ontario. 1.4 Properly identify key information sources available to assist tree markers in tolerant hardwoods. 1.5 Identify, describe and compare key silvicultural systems used to manage hardwood stands.
Course Outcome 2	Learning Objectives for Course Outcome 2
2. Mark trees in tolerant hardwood stands according to provincial standards.	2.1 Identify tree defects. 2.2 Identify stick nests, cavity trees and a wide range of other wildlife habitat values in tolerant hardwood stands. 2.3 Classify hardwood trees as AGS or UGS. 2.4 Use a prism to make basal area determinations. 2.5 Mark trees according to a silvicultural prescription and provincial requirements.
Course Outcome 3	Learning Objectives for Course Outcome 3
3. Understand and apply the silvicultural and management principles and guidelines for managing the white pine working group in Ontario.	3.1 List the silvical characteristics of conifer species found in the white pine working group in Ontario. 3.2 Understand and identify the timber and non-timber values found in the white pine working group. 3.3 List the key objectives of and components of the white pine tree marking program in Ontario. 3.4 Properly identify key information sources available to assist tree markers for the white pine working group. 3.5 Identify, describe and compare key silvicultural systems used to manage the white pine working group.
Course Outcome 4	Learning Objectives for Course Outcome 4

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	4. Mark trees in white pine stands according to provincial standard.		4.2 Ident values. 4.3 Class 4.4 Using select cru and crow 4.5 Mark	ify tree defects. ify stick nests, cavity trees and sify trees as AGS or UGS. g regeneration cut, uniform she op trees, space and mark trees //n spacing as a guide. trees according to silvicultural il standards.	elterwood specifications s using % spacing factor	
Evaluation Process and Grading System:	Evaluation Type	Evaluation	n Weight	Course Outcome Assessed		
	Assignments	40%		1, 3		
	Tests	60%		1, 2, 3, 4		
Date:	June 25, 2018					
	Please refer to the course outline addendum on the Learning Management System for further information.					

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