

revised  
July '85  
(in binder)

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: FOREST PROTECTION

Code No.: FOR 103-4

Program: FORESTRY

Semester: ONE

Date: JUNE, 1983

Author: STAN FISCHER

New: \_\_\_\_\_ Revision: X

APPROVED: *Stan Fischer* \_\_\_\_\_  
Chairperson Date

Forest Protection

FOR 103-4

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Course Name

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Course Number

PHILOSOPHY/GOALS:

Successful completion of this course will certify a student as being qualified to function as a crew member of Ontario Ministry of Natural Resources forest fire fighting crews.

Topics: communications, fire behaviour, use and maintenance of equipment, fire suppression skills, aerial operations, camp operations, safety.

METHOD OF ASSESSMENT (GRADING METHOD):

Students are tested bi-weekly throughout the semester as an indicator of progress.

Final grade depends on a single test at term end set by the Ministry of Natural Resources.

TEXTBOOK(S):

1. Forest Fire Suppression
2. Canadian Forest Fire Weather Index
3. Analysis of Fire Behaviour
4. Forest Fire Control Terminology
5. The Forest Fire Prevention Act

LESSON	TOPIC INFORMATION
1	<u>Communication</u> <ul style="list-style-type: none"><li>- verbal</li><li>- written</li><li>- use, maintenance and set up of fire line radios</li></ul>
2	<u>Fire Behaviour</u> <ul style="list-style-type: none"><li>- fire control terms</li><li>- basic fire behaviour</li><li>- heat transfer</li><li>- effects of weather</li><li>- effects of fuel</li><li>- types of fires</li><li>- methods of attack</li><li>- safety</li></ul>
3	<u>Use, Retrieval, Maintenance and Packaging of Fire Equipment</u> <ul style="list-style-type: none"><li>- land tools</li><li>- power pumps and accessories</li><li>- chain saws</li><li>- fire hose</li></ul>
4	<u>Suppression Skills</u> <ul style="list-style-type: none"><li>- fireline construction with<ul style="list-style-type: none"><li>- hand tools</li><li>- bulldozers</li><li>- burn out</li><li>- power pumps</li></ul></li></ul>
5	<u>Aerial Operations</u> <ul style="list-style-type: none"><li>- attack with water</li><li>- communications</li><li>- safety during bombing</li><li>- fixed wing use</li><li>- dock construction</li><li>- cargo dropping</li><li>- helicopter use</li><li>- helicopter bombing</li><li>- helicopter loading</li><li>- helicopter safety</li></ul>