

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY

SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: SILVICULTURE

Code No.: FOR 200-4

Program: FORESTRY TECHNICIAN

Semester: THREE

Date: MAY, 1986

Author: BOB CURRELL

New: _____ Revision: x

APPROVED:


Chairperson

May 29/86
Date

CALENDAR DESCRIPTION

SILVICULTURE

FOR 200-4

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS: A study of silviculture and its place in forestry. The emphasis of the course will be to study the forest once it has been harvested, specifically it will deal with the techniques available to grow a new forest crop.

After completing the course, student will be able to participate effectively in silvicultural operations and plan work, select tools and instruct unspecialized forestry crews.

METHOD OF ASSESSMENT (GRADING METHOD):

10%	Dendrology Test (trees, shrubs & silviculturally significant plants)
10%	Technical Report
30%	Lab Exercises
25%	Mid-term Test
25%	Final Test

COURSE GUIDELINES

No absences from field trips or tests will be permitted unless professional documentation is received (doctor's note).

Field trips and tests will be announced one week in advance.

Suitable classroom manners will be the rule, e.g., no obscene language, talking during class or class disruptions. Failure to observe this rule will result in ejection from class for the balance of the day.

Students will arrive at class on time. No one will be admitted to class once it has begun, i.e., teacher has started talking.

Anyone found cheating on tests or plagiarizing technical reports will receive a 0 mark for that test or assignment.

No notes in the testing room during tests.

Students receiving less than 60% overall (at term end) will be required to write a rewrite test covering the entire term's course material.

FOR 200...3

REFERENCES:

Ontario Ministry of Natural Resources (Ontario Tree Improvement and Forest Biomass Institute), 1983. Field Guide to Forest Ecosystem Classification.

Ontario Ministry of Natural Resources. Silvicultural Equipment Reference for 1. Southern Ontario 2. Northern Ontario.

Ontario Ministry of Natural Resources. Silvicultural Guides (Black Spruce, Aspen, Tolerant Hardwoods, White Pine, Hybrid Poplar).

OTHER REFERENCES AVAILABLE IN COLLEGE LIBRARY.

TOPIC NO.	TECHNICIAN COMPETENCY BENCHMARK	TOPIC DESCRIPTION
1		Introduction to Silviculture
2	2968.2	Harvesting Systems; boreal and Great Lakes - St. Lawrence
3	2967.04 2970.02	Crown Timber Act. Cut inspections (Wasteful practices regulations)
4	2968.02	Site Classification. Methods of identifying and classifying forest sites with specific reference to the forest ecosystem classification system
5	2968.08 2967.04 2967.06	Regeneration Surveys. Methods of assessing regeneration on forest land
6	2968.04 2968.12 2970.03	Site preparation. Methods of preparing cutover lands for subsequent regeneration. Mechanical, chemical and prescribed burning will be studied
7	2968.02 2968.12 2968.11	Regeneration treatments - prescribing regeneration treatments, carrying out regeneration treatments
8	2968.10	Tending the regenerated forest: thinning, weeding; mechanical and chemical treatments (Marking, pruning)

TOPIC NO.	TECHNICIAN COMPETENCY BENCHMARK	TOPIC DESCRIPTION
9	2968.03	Tree seed: provenance and site region, forecasting seed requirements, evaluating seed crops. Discussion of various collection methods and collection areas
10	2968.04	Nurseries: producing, planting stock; discussion of nursery stock types and their uses, nursery cultural practices
11	2968.06	Tree Improvement: discussion of common tree improvement techniques including seed production and seed orchards. Discussion of the hybrid poplar program in Ontario.