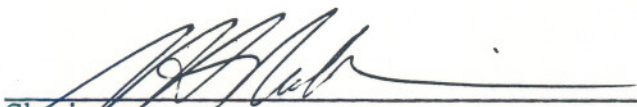


SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: SURVEYS AND ASSESSMENTS
Code No.: FOR 353-4
Program: FOREST MANAGEMENT TECHNOLOGY
Semester: SIX
Date: SEPTEMBER 1987
Author: ERWIN GOERTZ

New: X Revision:

APPROVED: 
Chairperson

Nov 30/87
Date

-2-
FOR 353-4
CALENDAR DESCRIPTION

SURVEYS & ASSESSMENTS

FOR 353-4

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS:

Surveys and assessments play an integral role in monitoring the status of our forest resource as well as in evaluating the success of silvicultural projects. Technologists in their dealings with intensive forest management practices will almost daily be planning or conducting surveys and/or assessments. The practical applications of each survey or assessment will be demonstrated and student teams will undertake their own project (survey) practising supervisor-employee relationships on a rotational basis.

METHOD OF ASSESSMENT:

Each student will choose a survey/assessment and complete the project using the remaining students as employees. Each student project will involve costing/scheduling, conducting field work, tally sheet summarization and final report preparation. The student project will comprise 60% of the final grade. Two tests will be given in the semester with each test comprising 20%. Students must have a passing grade in both the project and the tests in order to pass the course. Because of the practical nature of this course, there will be no re-write at the end of the semester.

GRADES	A+	90-100%	Consistently outstanding
	A	80-89%	Outstanding achievement
	B	70-79%	Above average achievement
	C	60-69%	Satisfactory achievement

TEXTBOOK:

Manual of instruction for completing silvicultural records, 2nd edition, 1984

(This manual is presently out of print and the instructor is waiting for written permission to duplicate it. You will be notified when it reaches the bookstore.)

TOPIC NO.	PERIODS	TOPIC DESCRIPTION
1	3	PLANTING QUALITY ASSESSMENT - sampling procedure for evaluating planter performance - assessment plot attributes - planting quality summary and other calculations - MNR and company tally sheets
2	2	REGENERATION SURVEYS <u>Seeding Assessment</u> - sampling design and number of plots - assessment procedure
	2	<u>Seedling Survival</u> - survey based on survival one and two years after plantation establishment
	4	<u>Five year Assessments</u> - stocking assessment on areas regenerating naturally - free-to-grow surveys in conifer stands artificially regenerated
3	3	NOT SATISFACTORILY REGENERATED (NSR) SURVEY - evaluating Barren & Scattered (B-S) areas for their possible inclusion into the forest base
4	3	CUT INSPECTION (RESIDUE SURVEY) - although there is no MNR standard form for this type of survey, reasons behind the survey and methodology will be discussed
5	2	SITE PREPARATION ASSESSMENT - degree of mineral soil exposure and plantable sites created will be discussed
6	3	PRIME SITE SURVEY - this survey involves both collecting of soils and vegetation data and relating them to potential forest crops
7	4	FOREST INVENTORY - goals of the inventory, methodology, tally sheet preparation and report summarization will be covered
8	2	CONE CROP ASSESSMENT - forecasting seed crop yields