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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 resources 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:

Groups of two (2) students 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 25% of the final grade. Three tests will be given in the semester with each test comprising 25%. Students who, at the end of the semester, have an overall grade of less than 60% may, AT THE DISCRETION OF THE INSTRUCTOR, write a final test covering the entire course material.

GRADES	A+	90-100%
	A	80-89%
	B	70-79%
	C	60-69%

TEXTBOOK:

There is no formal textbook for this course, however, the following OMNR publication will be used as a reference.

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