Grande Prairie Regional College
Department of Science & Technology
Course Outline
Winter 1997

Course:	*Silviculture I* (FO 2030)
Classroom:	TBA
Instructor:	Dr. Weixing Tan
Office:	J210
Phone:	539-2793
Prerequisites:	FO 2020 and BT 2400

Course Description: Silviculture is the science and art of growing and tending forest crops. As the first part of the silviculture, this course includes: introduction to silviculture and silvicultural systems; pre-harvest ecological assessment; harvesting systems for reforestation; forest regeneration principles and techniques, law and policy; silvics and species selection; and container and bareroot nursery practices.

Textbook: Nyland RD. 1996. **Silviculture: Concepts and Applications**. McGraw-Hill.

References: (available in library)

Smith DM. 1986. **The Practice of Silviculture**. John Wiley & Sons

Lavender et al. 1995. **Regenerating British Columbia's Forests**. UBC Press.

Oliver CD and Larson BC 1996. **Forest Stand Dynamics**. John Wiley & Sons.

Evaluation:

Quizzes/Assignments	15%
Lab Reports	20%
Midterm Exam I	15%
Midterm Exam II	15%
Final Exam	35%
	100%

Requirements: Regular attendance to the lectures and participation in classroom discussion are highly recommended.

Grande Prairie Regional College
Department of Science & Technology
Laboratory Schedule
Winter 1997

Course: *Silviculture I (FO 2030)*
Instructor: Dr. Weixing Tan
Assistant: Rick Scott
Lab Location: TBA

WK	DATE	LAB #	DESCRIPTION
1	08/01	1	Introduction
2	15/01	2	Winter Harvesting Operation
3	22/01	2	--- A Field Trip (a whole day lab)
4	29/01	2	
5	5/02	3	Site Scarification and Machinery
6	12/02	3	--- A Field Trip (a whole day lab)
7	19/02	4	Vegetation Management -- Guest Speaker (TBA)
9	05/03	5	Silvics of Trees in Canada
10	12/03	5	Presentation of Lab 5
11	19/03	6	Nursery Operation - Visiting Beaverlodge Nursery
12	26/03	7	Production of Container Stock (Willow Valley Forest Nursery)
13	2/04	8	Regeneration Prescription
14	9/04	8	Presentation of Lab 8

The detailed lab instruction will be distributed before each lab.

Requirements: Presence at each laboratory for this course is compulsory. A passing grade in the lab is required to pass the course. A medical note from your Doctor is required for all excused absences. Mark will be deducted on the overdue lab report(s) at a rate of 10% per day.

Each student is expected to supply the following at each lab: **calculator**, pencils, eraser, some paper, and binder to hold data sheets.