

GRANDE PRAIRIE REGIONAL COLLEGE

DEPARTMENT OF SCIENCE AND TECHNOLOGY

Bachelor of Applied Forest Resource Management

FOREST MANAGEMENT PLANNING: FO4240

Pre-requisite: Forest Management I (FO3300)

Course Description:

The course will examine cut-control methods and the impact of different events on cut and planning. Through a series of case studies, current issues affecting harvesting operations will be discussed.

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Lectures: Monday and Wednesday 13:00 – 14:20 B305

Course outline:

- Week 1.** Introduction to the course
- Week 2.** Annual Allowable Cut (AAC) – Importance of cut control
- Week 3.** Annual Allowable Cut (AAC) – different approaches to cut control
- Week 4.** Annual Allowable Cut (AAC) – Impact of intensive forest management, the ACE effect.
- Week 5.** Annual Allowable Cut (AAC) – Impact of deletions, postponements and scheduling.
- Week 6.** Case Study #1: Scheduling of stands for harvest – a proposal to ASRD from the company viewpoint..
- Week 7.** Mid-term
- Week 8.** Reading week
- Week 9.** Case Study #2: Response of a company (Millar Western) to the 1998 Virginia Hill's fire in the companies management area.
- Week 10.**

Week 11. Case Study #3: Operational planning at a company level (Sundance).

Week 12.

Week 13. Case Study #4: Managing the forest with two operators on the land base. Probably Weyerhaeuser and Ainsworth.

Week 14.

Week 15. Review.

Evaluation:

Mid-term	30%
Assignments/quizzes/presentations	10%
Case studies	30%
Final exam	30%

For the case studies students will be divided into teams. Reports will be approximately 5 pages. Grading of case studies will consist of a group mark with allocations to each member based on a formula to be determined later.

Assignments are to be handed in on time. Late assignments/labs will be subjected to a deduction of 10% for each overdue day. Completion of all assignments/labs and the mid-term is necessary in order to pass the course. The final exam must be completed in order to receive credit for the course.