

BA Resource Management 12C

BAA Resource Management Program
District Name Kamloops-Thompson District
District Number 73
Developed By Dave Eburne
Date Developed April 2005
School Name Norkam Secondary School
Principal's Name Mr. Allan Dodd
Board/Authority Approval Date 2005/05/30
Board/Authority Signature
Course Name Resource Management 12C
Grade Level of Course 12
Number of Course Credits 120 Hours

Prerequisite: The student will be required to submit an application form.
The student will be required to attend an interview prior to entering the program.

Special Training, Facilities or Equipment Required:

Course Synopsis: The course offers students the opportunity to learn about different Harvesting Methods used in the Forest Industry.

Rationale: This course offers students with the opportunity to inquire the different Harvesting Methods used in the Forest Industry and to apply their knowledge in Fieldwork.

Organizational Structure: This course consists of two units of study.

Unit/Topic	Title	Time
Unit One	Engineering	60 Hours
Unit Two	Field Work / Contract Work	60 Hours
	Total Time	120 Hours

Unit/Topic/ Module Descriptions:

Unit One - Engineering - 60 Hours

This unit of study teaches students about the basics of engineering practices employed in the Forest Management Sector.

Topics in this unit include the following:

- The identification of the types and characteristics of the different harvest methods employed within the Forest industry
- To complete engineering field surveys
 - o Cut block traverses
 - o Reconnaissance lines
 - o Deflection lines
- Describe road survey standards and road traverse procedures
- Demonstrate safe work practices
- Identify WCB regulations pertaining to harvesting and conducting forestry operations
- Describe consideration for minimizing ecological impacts of forestry operations
- Complete field survey notes
 - o Accuracy
 - o Neatness
- Utilize the Road Engineer Computer Program
 - o Input traverse data
 - o Label planimetric maps
 - o Print planimetric maps

Unit Two - Field Work/Contract Work - 60 Hours

This unit will provide students with opportunity to put into practice the classroom knowledge into the work site, specifically working on a Cut Block Layout.

Instructional Component:

It is suggested that students taking Resource Management 12C receive explicit instruction throughout the course to ensure that the learning outcomes are taught and learned. A variety of methods may be implemented such as workshop formats, weekly meetings, direct instruction, etc.

Instructional components may include some or all of the following:

- one to one instruction in the classroom as well as on the work site
- role plays
- direct instruction
- experiential learning
- field work
- modeling best practices
- discussion, group work, conferencing

Assessment Component:

Resource Management 12C provides many opportunities for students to add to their graduation portfolio. Students will have the opportunity to collect letters of reference, information about careers, photo essays, videotapes, etc.

Teachers should choose from a variety of assessment tools to fit the unique learning outcomes and performance nature of this program.

- Daily Log Book by student
- Reflective Journal by student
- Self-Evaluations
 - o Formative
 - o Summative
- Observation
 - o Anecdotal
 - o Checklists
- Checklists made by teacher
- Employability Skills Checklist
 - o Planning 10
 - o Work Experience

Assignments	20%
Mid-Term Exam	20%
Final Exam	30%
Contract and Fieldwork Work	30%

Learning Resources:

The following is a list of the resources needed for this course:

- Transportation
- First Aid Supplies
- Cruising Vests
- Field Notebooks
- Chainsaws
- Cut Pants
- Hard Hats
- Eye Protection
- Ear Protection