

## BA Resource Management 12B

**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 12B  
**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  
Silviculture and Biogeoclimatic Zone Identification.

**Rationale:** This course offers students with the opportunity to inquire,  
at an introductory level, about the Silviculture industry with  
reference to land structure and plant identification.

**Organizational Structure:** This course consists of three units of study.

Unit/Topic	Title	Time
Unit One	Silviculture	60 Hours
Unit Two	Biogeoclimatic Zones	20 Hours
Unit Three	Field Work/Contract Work	40 Hours
	<b>Total Time</b>	<b>120 Hours</b>

### **Unit/Topic/ Module Descriptions:**

Unit One - Silviculture - 60 Hours

This unit of study teaches students about the basics of silviculture.

Topics in this unit include the following:

- To recognize and describe the major categories of silvicultural systems
- To identify important silvicultural characteristics of commercial tree species
- To describe site index
  - o How does this relate to stand growth and yield capacity?
- To describe criteria guiding the selection of crop tree species
- To recognize and describe various site preparation methods
- To be able to recognize and describe various seedling stocktypes
- To describe and recognize the best plantable spots
- To assess planting quality
- To recognize and describe various brushing and weeding methods
- To assess juvenile spacing qualities
- To describe pruning techniques and quality parameters

Unit Two - Biogeoclimatic Zones - 20 Hours

This unit will provide students with the opportunity to learn about Biogeoclimatic zones.

Topics in this unit include the following:

- To recognize Biogeoclimatic ecosystems classification principles
  - o To understand the concepts
  - o To define the concepts
- To understand the Biogeoclimatic Units and their variants
  - o Names
  - o Symbols
  - o Site Units
- To describe the procedures for site identification

Unit Three - Field Work/Contract Work - 40 Hours

This unit will provide students with opportunity to put into practice the classroom knowledge into the work site, specifically with Timber Cruising.

### **Instructional Component:**

It is suggested that students taking Resource Management 12B 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 12B 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
- Field Notebooks
- Compass
- Clinometer
- Chain / tape