

# FORESTRY COURSE SUMMARIES

## INTRODUCTORY

### **FOR1010: FORESTS & SOCIETY**

Students study the social, cultural, economic and environmental significance of forests, with particular focus on the impact of society as a whole and the impact individuals have had on forests.

*Prerequisite:* None

### **FOR1020: FOREST ECOLOGY IN REGIONS OF CANADA**

Students investigate forest ecosystems and explain the structure and function of trees in relation to life processes.

Students also learn to identify factors that determine the distribution of forests, as well as research forest regions of Canada with an emphasis on specific species.

*Prerequisite:* None

### **FOR1050: FOREST IMAGERY**

Students interpret information from different types of visual data representations used in the forest industry.

*Prerequisite:* None

### **FOR1100: FOREST USE & PROTECTION**

Students examine past and present uses of Canada's forests, and explain how research and technology impact forest management.

*Prerequisite:* None

### **FOR1910: FOR PROJECT A**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite:* None

## INTERMEDIATE

### **FOR2010: FOREST PROTECTION & STEWARDSHIP**

Students examine the *Alberta Land-use Framework* and *Land Stewardship Act* as they relate to forestry to understand what measures are being taken to promote environmental stewardship.

*Prerequisite:* None

### **FOR2030: REGULATING ALBERTA'S FORESTS**

Students research agencies and structures used to manage forested lands in Alberta and to explain Alberta's forest management goals.

*Prerequisite:* FOR1100: Forest Use & Protection

### **FOR2060: FOREST MENSURATION 1**

Students are introduced to basic forest measurement skills used in basic statistical analysis and data compilation for a forested region.

*Prerequisite:* FOR1050: Forest Imagery

HCS2020: First Aid/CPR with AED

WLD1130: Outdoor Survival Skills

### **FOR2070: SUSTAINABLE FIBRE HARVESTING & PROCESSING**

Students examine sustainable forest management plans and the process of harvesting and using forest resources.

*Prerequisite:* None

### **FOR2100: FOREST MANAGEMENT**

Students examine Alberta's current forest management goals and explore the current management practices used to address these goals.

*Prerequisite:* FOR1100: Forest Use & Protection

**FOR2910: FOR PROJECT B**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**FOR2920: FOR PROJECT C**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**FOR2950: FOR INTERMEDIATE PRACTICUM**

Students apply prior learning and demonstrate the attitudes, skills and knowledge required by an external organization to achieve a credential/credentials or an articulation.

*Prerequisite: None*

**ADVANCED****FOR3010: ISSUES & TRENDS IN FORESTRY**

Students analyze current local and global issues and trends in forest management, and demonstrate individual and shared actions that foster environmental stewardship.

*Prerequisite: None*

**FOR3060: FOREST MENSURATION 2**

Students build on measuring skills through researching and examining current forest inventory practices and demonstrating appropriate strategies for sampling the fibre and nonfibre value of forests.

*Prerequisite: FOR2060: Forest Mensuration 1*

**FOR3080: FOREST RESEARCH & DEVELOPMENT**

Students examine current and emerging research and development in the forest industry.

*Prerequisite: None*

**FOR3090: FOREST ECOLOGY – SILVICS & SUCCESSION**

Students investigate the interrelationships among soil, water, air, trees and the environment and explain how forests change over time as a result of these interrelationships.

*Prerequisite: FOR1020: Forest Ecology in Regions of Canada or Biology 20  
HCS2020: First Aid/CPR with AED*

**FOR3110: SILVICULTURE**

Students demonstrate knowledge of the techniques used to establish, grow and harvest tree crops.

*Prerequisite: None*

**FOR3910: FOR PROJECT D**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**FOR3920: FOR PROJECT E**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**FOR3950: FOR ADVANCED PRACTICUM**

Students apply prior learning and demonstrate the attitudes, skills and knowledge required by an external organization to achieve a credential/credentials or an articulation.

*Prerequisite: None*