

COURSE FOR1020: FOREST REGIONS OF CANADA**Level:** Introductory**Theme:** Social and Cultural Perspectives**Prerequisite:** None**Description:** Students identify factors that determine the distribution of forests, as well as research forest regions of Canada with an emphasis on specific species and forest associations found in Alberta.**Parameters:** Access to relevant government and library resources.**Curriculum and Assessment Standards**

General Outcomes	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> identify factors that determine the type and distribution of forests 	<p><i>Assessment of student assessment will be based on:</i></p> <ul style="list-style-type: none"> conducting laboratory and/or field investigations to determine the effect of temperature, moisture or soil on plant growth. <p><i>Assessment Tool</i> <i>Lab Investigations: Factors Affecting Plant Growth, FOR1020-1</i></p> <p><i>Standard</i> <i>Complete lab and/or field investigations to a standard of 1 on the rating scale</i> </p>	20
	<ul style="list-style-type: none"> explaining ways in which climate and land form affect the growth and distribution of forests. <p><i>Assessment Tool</i> <i>Knowledge/Application Assessment: Growth and Distribution of Forests, FOR1020-2</i></p> <p><i>Standard</i> <i>Respond to a standard of 1 on the rating scale</i> </p>	10
	<ul style="list-style-type: none"> locate and describe the forest regions of Canada <ul style="list-style-type: none"> given outline maps of Canada and Alberta, locating and describing: <ul style="list-style-type: none"> the eight forest regions of Canada and major tree species within each region the three forest regions present in Alberta and major tree species within each region. <p><i>Assessment Tool</i> <i>Task Checklist for Mapping, FORMAP</i></p> <p><i>Standard</i> <i>Complete applicable mapping tasks to a standard of 1 on the rating scale</i> </p>	30

COURSE FOR1020: FOREST REGIONS OF CANADA (continued)

Concept	Specific Outcomes	Notes
Determining Factors (continued)	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • describe relationships between land forms and the distribution of forests; e.g.: <ul style="list-style-type: none"> – topography – soil conditions • identify reasons for the distribution of trees in natural regions in Canada and Alberta. 	Identify concentrations of particular tree species on a map of a local area. Suggest reasons for the distributions noted.
Forest Regions	<ul style="list-style-type: none"> • locate and describe the eight forest regions of Canada; e.g.: <ul style="list-style-type: none"> – Boreal – Subalpine – Montane – Coast – Columbia – Deciduous – Great Lakes/St. Lawrence – Acadian • read, interpret and create visual representations of species distribution in Canada and Alberta. 	<p>See <i>Alberta's Focus on Forests</i> (Activity 4.1– Trees of Alberta and Canada).</p> <p>Obtain the <i>Forest Regions of Canada</i> poster series (Canadian Forestry Service) and the <i>Natural Regions of Alberta</i> poster series (Alberta Environmental Protection).</p> <p>Match common trees with their respective locations.</p> <p>Discuss Alberta's six natural regions.</p> <p>Provide relevant mapping exercises.</p>
Tree Identification	<ul style="list-style-type: none"> • identify common trees and other plants that grow in specific regions of Canada and Alberta; e.g.: <ul style="list-style-type: none"> – tree and shrub identification – non-woody plant identification • prepare a display of details that help to identify local trees, shrubs and non-woody plants; e.g.: <ul style="list-style-type: none"> – leaves – flowers/cones – twigs – bark. 	<p>Field trips will provide opportunities for “on-site” tree location/ identification.</p> <p>Use appropriate identification keys to assist in identifying tree species.</p> <p>Gather and prepare leaf and twig collections.</p>

