

66-415. Ecosystem Health

Learning Outcomes

Last Updated: March 11, 2011

(PDC110201-5.3)

<p>Learning Outcomes <i>This is a sentence completion exercise.</i></p> <p><u>At the end of the course, the successful student will know and be able to:</u></p>	<p>Characteristics of a University of Windsor Graduate</p> <p><u>A U of Windsor graduate will have the ability to demonstrate:</u></p>
<p>A. List and interpret the abiotic and biotic components of aquatic and terrestrial ecosystems, abiotic and biotic processes that structure ecosystems, interconnectedness of ecosystems, techniques used to study ecosystems, anthropogenic activities that can influence ecosystem function and health, management methods and models, and national and international policies.</p>	<p>A. the acquisition, application and integration of knowledge</p>
<p>B. Interpret abiotic and biotic data.</p> <p>Evaluate the data requirements for ecosystem and management models.</p> <p>Develop scientific and management style reports.</p>	<p>B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)</p>
<p>C. Interpret and assess model results.</p> <p>Develop and employ scientific methods to problems.</p> <p>Examine problems of importance to ecosystem health using elemental and isotopic monitoring data.</p> <p>Describe and analyze issues relating to protecting the environment through conservation, management and policy change.</p>	<p>C. critical thinking and problem-solving skills</p>
<p>D. Analyse data and present results orally and in written reports.</p>	<p>D. literacy and numeracy skills</p>
<p>E. List and discuss the individual and societal benefits of responsible environmental stewardship and sustainability</p>	<p>E. responsible behaviour to self, others and society</p>
<p>F. Openly debate and discuss environmental issues and problems.</p>	<p>F. interpersonal and communications skills</p>
<p>G. Work as part of a team assessing environmental issues and developing a course of action as related to management and conservation.</p>	<p>G. teamwork, and personal and group leadership skills</p>
<p>H. Take a multidisciplinary approach to assessing environmental issues.</p>	<p>H. creativity and aesthetic appreciation</p>
<p>I.</p>	<p>I. the ability and desire for continuous learning</p>