

66-437. Contaminant Hydrogeology

Learning Outcomes

Last Updated: February 12, 2018

(PDC180212-5.18)

<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. Assess and interpret complex geologic, hydrogeologic and biogeochemical factors and physical/chemical properties of substances that influence contaminant migration and fate in the environment.</p> <p>Apply integrated approaches to assessing and interpreting environmental monitoring data and apply relevant and applicable remedial approaches to instances of environmental contamination.</p>	<p>A. the acquisition, application and integration of knowledge</p>
<p>B. Use existing site characterization and monitoring data to design approaches to risk and feasibility assessment and site remediation.</p> <p>Research, evaluate, select, and model the efficacy of risk abatement strategies and remediation technologies.</p>	<p>B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)</p>
<p>C. Critically evaluate site assessment, risk analysis and remediation design and monitoring data.</p> <p>Develop integrated and innovative approaches to addressing instances of environmental impact.</p>	<p>C. critical thinking and problem-solving skills</p>
<p>D. Read, interpret, and write the technical terminology used in the field of contaminant hydrogeology.</p> <p>Apply analytic and numeric modeling approaches to hydrogeologic data sets.</p>	<p>D. literacy and numeracy skills</p>
<p>E. Assess whether corrective action measures are sufficiently protective of human health and safety or the environment.</p>	<p>E. responsible behaviour to self, others and society</p>
<p>F. Effectively research, summarize and present scientific data. Work in research or study groups.</p>	<p>F. interpersonal and communications skills</p>
<p>G.</p>	<p>G. teamwork, and personal and group leadership skills</p>
<p>H. Concisely and effectively present environmental monitoring and modeling data.</p>	<p>H. creativity and aesthetic appreciation</p>
<p>I.</p>	<p>I. the ability and desire for continuous learning</p>