

ENVE-8430. Occupational Hygiene & Pollution Prevention**Learning Outcomes**

Last Updated: February 8, 2013

(PDC130111-5.6.1)

Learning Outcomes <i>This is a sentence completion exercise.</i>	Characteristics of a University of Windsor Graduate
<u>At the end of the course, the successful student will know and be able to:</u>	<u>A U of Windsor graduate will have the ability to demonstrate:</u>
A. Locate and comprehend legislation related to hazards in the workplace. Describe how to sample workplace air to measure worker exposure. Calculate the concentration of a pollutant in indoor air from experimental data and quantify the uncertainty.	A. the acquisition, application and integration of knowledge
B. Survey a workplace and assess whether there is potential for harmful worker exposure. Analyze data from a sampling program and compare it to existing recommendations and standards for occupational exposure. Apply knowledge of hazard controls for reducing worker exposure to airborne contaminants. Research a topic in OH&S or P2 and prepare a written report and/or oral presentation.	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C. Plan and analyze a pollution prevention project.	C. critical thinking and problem-solving skills
D. Solve problems requiring calculations and conversions of concentration units, and airborne mass balances.	D. literacy and numeracy skills
E. Describe an engineer's responsibilities under the PEO Code of Ethics and the Ontario Health and Safety legislation.	E. responsible behaviour to self, others and society
F. Prepare a written report and oral presentation.	F. interpersonal and communications skills
G. Work effectively in a group to research and present on topics related to OH&S or P2.	G. teamwork, and personal and group leadership skills
H.	H. creativity and aesthetic appreciation
I.	I. the ability and desire for continuous learning