

66-300. Scientific Writing and Data Management

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. Assess and analyze scientific data sets and integrate the scientific knowledge obtained with current science.</p>	<p>A. the acquisition, application and integration of knowledge</p>
<p>B. Use online libraries, journals and the internet to research background information for specific problems.</p> <p>Review, summarize, synthesize and explain literature and data pertaining to specific scientific inquiries.</p>	<p>B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)</p>
<p>C. Read and interpret data sets.</p> <p>Recognize problem areas within data sets and work to resolve the issue.</p>	<p>C. critical thinking and problem-solving skills</p>
<p>D. Use Excel or other spreadsheet programs to manipulate numerical data.</p> <p>Demonstrate the fundamentals of scientific writing through production of a manuscript-style research paper.</p>	<p>D. literacy and numeracy skills</p>
<p>E. Explain the responsible and ethical use of scientific information.</p> <p>Evaluate and report scientific studies accurately.</p>	<p>E. responsible behaviour to self, others and society</p>
<p>F. Communicate results of scientific studies with others through oral presentations and written documents.</p>	<p>F. interpersonal and communications skills</p>
<p>G. Jointly and independently assess and rate oral and written communication skills.</p>	<p>G. teamwork, and personal and group leadership skills</p>
<p>H. Produce accurate, legible and understandable diagrams that are suitable for publication.</p> <p>Design and prepare presentations for both scientific and public audiences.</p>	<p>H. creativity and aesthetic appreciation</p>
<p>I.</p>	<p>I. the ability and desire for continuous learning</p>