

## 46-512 Statistics for Graduate Study in Psychology II

### Learning Outcomes

Last Updated: October 6, 2017

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<b>Learning Outcomes</b>	<b>Characteristics of a University of Windsor Graduate:</b>
This is a sentence completion exercise. At the end of the course, the successful student will know and be able to:	A U of Windsor graduate will have the ability to demonstrate:
A. Demonstrate understanding and use of the general linear model (multivariate case) covering statistical analyses used to analyze data from experiments as well as to analyze observational data. Describe the questions that each technique can answer and the strengths and limitations of each technique.	A. the acquisition, application and integration of knowledge
B. Analyze data and interpret results. Identify literature references for the correct application of each technique. Demonstrate understanding of broader themes in statistics and multivariate data analysis and how these fit into the broader research enterprise.	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C. Effectively choose when to apply each technique. Demonstrate a more advanced understanding of the assumptions and robustness of each technique covered	C. critical thinking and problem-solving skills
D. Properly analyze data using the techniques. Identify questions the techniques answer.	D. literacy and numeracy skills
E. Be able to competently critique published papers utilizing the techniques and determine whether the techniques were utilized and interpreted properly.	E. responsible behaviour to self, others and society
F. Write a report of statistical findings as would be appropriate for a thesis/dissertation or publishable manuscript.	F. interpersonal and communications skills
G.	G. teamwork, and personal and group leadership skills
H.	H. creativity and aesthetic appreciation
I.	I. the ability and desire for continuous learning