63-582. Advanced Statistics
Learning Outcomes
Last Updated: April 13, 2018
Sa180413-5.5.4c

Course Learning Outcomes At the end of the course, the successful student will know and be able to:	Characteristics of a University of Windsor Graduate A U of Windsor graduate will have the ability to demonstrate:
A. Interpret statistical concepts and their applications to health care research. (Also applies to B & C)	A. the acquisition, application and integration of knowledge
B. Critically analyze and communicate selected quantitative research reports and make judgement on the accuracy of the statistical techniques employed on those reports. (Also applies to A, C, F & G).	B. research skills, including the ability to define problems and access, retrieve and evaluate information (information literacy)
C. Decide what statistical technique will provide the best answer to a given research question.	C. critical thinking and problem-solving skills
D. Differentiate between parametric and nonparametric tests and articulate their underlying assumptions. Use the SPSS to conduct statistical analyses. (Also applies to B & C).	D. literacy and numeracy skills
E. Utilize knowledge of statistical inferences to make proper conclusions about research generalizability to target populations. (Also applies to G & H).	E. responsible behaviour to self, others and society
F. (See B).	F. interpersonal and communications skills
G. (See B & E).	G. teamwork, and personal and group leadership skills
H.	H. creativity and aesthetic appreciation
I. Analyze and extrapolate statistical results to evaluate research findings and their impact on the health of target populations.	I. the ability and desire for continuous learning