

## WEBSITE TEMPLATE

<b>Course</b>	PSYC 3000 C: Advanced Design and Analysis
<b>Instructor</b>	<b>Craig Leth-Steensen</b>
<b>Term</b>	<b>Fall-Winter</b>
<b>Email Address</b>	Craig.LethSteensen@carleton.ca
<b>Office Location</b>	A535 LA
<b>Office Hours</b>	TBA

### COURSE DESCRIPTION/INSTRUCTORS STATEMENT

This course will provide an in-depth coverage of the basic principles underlying the applied use of statistics in research. In addition to a focus on probability and experimental design, this course will ensure that students leave with knowledge of the essential statistical techniques (namely, non-parametric and contingency table analyses, simple and multiple regression, and analysis of variance). Throughout, SPSS will be used to run numerous statistical analyses. Although some simple calculations will periodically be required, the emphasis will be on obtaining a conceptual understanding of the material and a developing a general ability to deal with data and the results of statistical analyses.

Online Approach: Each class date will have a taped lecture, the link for which will be provided on CULearn. The actual class times will be used for Zoom or Big Blue button-based tutorial sessions which I will use to go over extra problems and answer questions.

### EVALUATION

70% - Four online tests (all multiple choice): 2 in the 1<sup>st</sup> half worth 15% and 20%, respectively, and 2 in the 2<sup>nd</sup> half worth 15% and 20%, respectively.

30% - Five assignments (SPSS and report-based): 2 in the 1<sup>st</sup> half worth 6% each and 3 in the 2<sup>nd</sup> half worth 6% each.

### TEXT

Agresti, A., Franklin, C., & Klingenberg, B. (2017). Statistics (4th Ed.). USA: Pearson Education, Inc.