

PSYC 3000 B : DESIGN AND ANALYSIS IN PSYCHOLOGICAL RESEARCH

Instructor	Craig Leth-Steensen
Term	Fall - Winter 2025-26
Course Delivery	In person
Email Address	Craig.LethSteensen@carleton.ca
Office Location	TBA
Office Hours	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.

EVALUATION

70% - Tests (all multiple choice): The exact number of tests TBA

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

TEXT

Agresti, A., Franklin, C., and Klingenberg, B. (2021). *Statistics: The Art and Science of Learning From Data* (5th Ed.). Pearson Education, Inc. ISBN-13: 9780136879992

ISBN-13: 9780136879992 Students can buy the e-Text for this 5th Ed. directly from the link below for \$67.99. Note that we will NOT be using the MyLab version of the text in this course, so do not get that version. If you'd like a hardcopy instead of this e-version, this is possible and I can tell you how (it may end up being about \$225):

<https://www.pearson.com/en-ca/subject-catalog/p/statistics-the-art-and-science-of-learning-from-data/P200000006061>