PSYC 3000 D : DESIGN AND ANALYSIS IN PSYCHOLOGICAL RESEARCH

Instructor	Craig Leth-Steensen
Term	Fall 2024/Winter 2025
Course Delivery	In-Person
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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% - Seven online tests (all multiple choice): Four in the 1st half worth 8.5% each and three in the 2nd half worth 12% each.

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**

The e-Text can be obtained directly from the link below for $64.99. Note that we will NOT be using the MyLab version of the text in this course, so do not get that version.

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