

PSYC 3000 A : DESIGN AND ANALYSIS IN PSYCHOLOGICAL RESEARCH

Instructor	Craig Leth-Steensen
Term	Fall/Winter 2023-24
Course Delivery	In person
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COURSE DESCRIPTION/INSTRUCTOR'S 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 (SUBJECT TO CHANGE)

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

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 -> A \$49.99 eTextbook is available from Pearson (Google this ISBN or contact the instructor for the link - note that you do not have to get the MyLab version). I would like a hardcopy of the text contact the instructor for information regarding how to get one.