

Brief Course Outline

Course Title: **Computers and Research in Psychology**

Course Number and Section

PSYCHOL

3830F 551

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL Brightspace is the official and authoritative source of information for the course.

Course Description:

Topics include: fundamentals of operating microcomputers, use of statistical packages (e.g., SPSS/PC+), interpretation of computer output from univariate and multivariate statistical analyses.

Learning Outcomes: one outcome per entry

Determine the appropriate statistical test for various types of data in psychology

Conduct a variety of statistical tests using computer software

Write an APA-style results section reporting the outcomes of common statistical tests

Design and conduct an empirical research study

Textbooks and Course Materials:

The texts are here to support your understanding of the different analyses we will cover with additional information, should you need it. Some people will find them helpful and others less so. Important concepts will be covered in lectures and labs, so I consider these texts secondary to our in-class work. As such, there are NO REQUIRED textbooks or other in-course material costs for this course.

You will need to download the statistical software packages for the course: SPSS & JASP. SPSS can be bought or accessed for free via MyVlab at UWO. JASP is free to download.

SPSS

The text is available at the university bookstore. If you do not wish to buy the text, it is available at the library as an e-book. This text is highly recommended for anyone who likes a funny stats book (yes, really) and who may be a bit nervous about stats or feel they would like additional background on the analyses we will cover. Also, students who plan to go on to graduate school of any kind are encouraged to own a copy. The text is also available for purchase from online sellers such as amazon.ca and chapters.ca.

- A Field, A. (2024). Discovering Statistics Using IBM SPSS Statistics, North American edition (6th ed). Sage: London.

- Text Associated SAGE Edge web site: <https://edge.sagepub.com/field5e/student->

resources/resources-by-type

A license for SPSS software can be purchased to use on your own laptop:
<https://computerstore.uwo.ca/product/spss25lic>
- SPSS can also be accessed for free via MyVLab at UWO, although some students find it slow. Accessing MyVLab takes a little bit of setup on your laptop:
https://myvlab.uwo.ca/setup_instructions/index.html

JASP
The JASP text is available for free at <https://learnstatswithjasp.com/>
- Navarro DJ, Foxcroft DR, Faulkenberry TJ. (2019). Learning statistics with JASP: A tutorial for psychology students and other beginners.

JASP software is free to download at: <https://jasp-stats.org/download/>

Excel
You should also have Microsoft Excel installed from the UWO Microsoft 365 Office package site (free for students): <https://wts.uwo.ca/sitelicense/microsoft/homeuse.html>

Methods of Evaluation: one assignment per entry

Assignment	Due Date mm/dd/yy	Weight - %
Group Charter	Sep 26 (submissions allowed until Sep 28)	2%
Group Annotated Bibliography & Research Design Proposal	Oct 10 (submissions allowed until Oct 12)	13%
Midterm Exam (Units 1-6)	Oct 24 (NOT during class time; Location TBD)	20%
Individual Final APA Report	Dec 09 (submissions allowed until Dec 11)	25%
Final Exam	TBD (during final exam period, Dec 11-22)	40%

Monday, August 17, 2026

Huron Brief Course Outline 2026/27

In-course Costs \$000.00

For Textbooks and Course Materials (below), you are required to include the cost of each textbook or other learning material.

Note whether there are any restrictions that would prevent a student from using a second-hand copy. Here is some suggested text:

- Required textbook: [author, title, edition, publisher, date]. Cost: [insert amount].
 - Or include the weblink of the textbook’s publisher site that includes the cost information.
- Students need to purchase this edition. Second-hand or older editions will not be sufficient.

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OR Students are welcome to purchase second-hand or earlier editions of this textbook.

- This course has an optional field trip that costs [insert amount].
- This course has a required field component that costs [insert amount].

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.