

## Brief Course Outline

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

**Course Number and Section**

PSYCHOL

3830G 550

**Instructor Name(s):** Dr. Ana Ruiz Pardo

**Instructor Email(s):** aruizpar@uwo.ca

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.

Optional textbooks:

- For SPSS: A Field, A. (2024). Discovering Statistics Using IBM SPSS Statistics, North American edition (6th ed). Sage: London.
- For JASP: The JASP text is available for free at <https://learnstatswithjasp.com/>

Additional Course Materials:

- You should also have Microsoft Excel installed from the UWO Microsoft 365 Office package site (free for students)

**Methods of Evaluation: one assignment per entry**

Assignment	Due Date mm/dd/yy	Weight - %
Group Charter	Jan 23, 2026	2
Group Annotated Bibliography & Research Design Proposal	Feb 6, 2026	13
Midterm Exam	Feb 13, 2026	20
Individual Final APA Report	Apr 7, 2026	25
Final Exam	April Exam Period	40

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

Monday, December 15, 2025

# Huron Brief Course Outline

## 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.
- 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].