

PSYC 3000 E : ADVANCED DESIGN & ANALYSIS

Instructor	Cecilia Jorgenson
Term	Fall 2026/Winter 2027
Course Delivery	In-Person
Email Address	ceciliajorgenson@cunet.carleton.ca
Office Location	TBA
Office Hours	TBA

COURSE DESCRIPTION / INSTRUCTOR'S STATEMENT

PSYC 3000 E is a full-year, in-person advanced undergraduate statistics course that builds on PSYC 2002. Students will revisit t-tests, ANOVA, and regression while developing a deeper understanding of when and how these techniques are used in psychological research. The course emphasizes both hand calculation of statistical procedures and interpretation of SPSS output. Students will also practise communicating statistical results clearly and accurately in written form. By the end of the course, students should have a strong working knowledge of SPSS and be better prepared to read, evaluate, and synthesize statistical findings in published research and in their own projects. This section is a good fit for students who are comfortable attending class in person and want structured preparation for an honours project or honours thesis.

EVALUATION (SUBJECT TO CHANGE)

Four assignments (30% of final grade; 7.5% each)
Final project (20% of final grade; due on the last day of the formal final exam period)
Two midterm exams (50% of final grade; 25% each)

TEXTBOOK AND SOFTWARE

The required textbook for this course is: Discovering Statistics Using IBM SPSS Statistics, 6th edition, by Andy Field.

SPSS statistical software is required for this course. We will discuss how to install SPSS at no cost at the start of the course.