

PSYC 3000 B: ADVANCED DESIGN AND ANALYSIS

Instructor	Cecilia Jorgenson
Term	Full Summer 2026 (May-August)
Course Delivery	Lectures: Online (Asynchronous) Tutorials: Online (Synchronous)
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COURSE DESCRIPTION/INSTRUCTORS STATEMENT

This course builds on the material covered in PSYC 2002. You will review statistical tests such as t-tests, ANOVA and regression that were introduced in PSYC 2002 and gain a more in-depth understanding of these techniques. By the end of this course, you will have a good working knowledge of SPSS. This course will require you to calculate statistical tests by hand and interpret computer output generated by SPSS. Additionally, there will be a focus on communicating these results appropriately. The goal of this course is to provide you with the ability to understand and synthesize other researchers' results along with your own. This will be excellent preparation for those students planning to complete either the honours project or an honours thesis.

EVALUATION

4 Assignments (50% of final grade; 12.5% each)
2 midterm exams (50% of final grade; 25% each)

TEXT

The required textbook for this course is: *Discovering Statistics using IBM SPSS Statistics* (6th Edition) by Andy Fields.

SPSS Statistical Software is needed for this course. We will discuss how to install SPSS at no cost at the start of the course.