

## INTRODUCTION TO STATISTICS IN PSYCHOLOGY – PSYC 2002 D

<b>Course</b>	PSYC 2002 D
<b>Instructor</b>	Peter Aubin
<b>Term</b>	Winter 2021
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<b>Office Location</b>	Online
<b>Office Hours</b>	To be announced

### COURSE DESCRIPTION/INSTRUCTORS STATEMENT

This course will introduce students to descriptive and inferential statistics used in psychological research. Descriptive statistics are used to describe the data collected. Inferential statistics are used to determine if the data collected represents a population of interest and whether experimental results are significant and meaningful or simply due to chance. Students will develop the skills to determine which statistics should be used with particular types of data, the ability to compute basic statistical problems, and to interpret the results of statistical findings. The emphasis in this course is on developing critical thinking skills needed to develop an understanding and application of statistics for the behavioral sciences.

This course will be delivered asynchronously with pre-recorded lectures released each week and office hours and extra practice time being delivered in real time on-line each week.

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### EVALUATION

- 10 Weekly Quizzes (30%)  
-Consists of on-line multiple-choice questions
- 2 Midterm Examinations (50%)  
-Consisting of on-line problem-solving questions only
- 2 on-line assignments (20%)
- SONA bonus marks (up to 4%)

### TEXT

Gravetter, F.J., Wallnau, L.B. & Forzano, L.B. (2018) *Essentials of statistics for the behavioral sciences* (9<sup>th</sup> ed.). The textbook is not mandatory but is highly recommended. A 10<sup>th</sup> edition is scheduled to be published in 2021. Older versions are acceptable but choose the Canadian edition. The US edition is very different and will not map to topics covered in the course. This could impact your ability to do well in quizzes. This book is not the same as *Statistics for the behavioral sciences* by Gravetter and Wallnau.