

**Faculty of Health  
Department of Psychology  
PSYC 2021 3.0 Section B  
STATISTICAL METHODS I  
Tuesdays and Thursdays / 2:30 – 5:30 / CLH F  
S1 / 2017**

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**Instructor and T.A. Information**

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**Course Prerequisite(s) or corequisite: Course prerequisites are strictly enforced.**

- HH/PSYC 1010 6.00 (Introduction to Psychology), with a minimum grade of C when used as a prerequisite.

**Course website: [yorku.ca/rfm/psyc2021](http://yorku.ca/rfm/psyc2021)**

**Course Description**

This course covers the fundamental concepts and application of descriptive statistics. It provides an introduction to probability and inferential statistics, including hypothesis testing with the normal and t distributions. It also covers elements of the R programming language, an open-source package for statistical data analysis that you can use on Computing Commons terminals or install for free on your own computer (macOS, Linux, or Windows).

**Learning Outcomes**

Upon completion of this course, students should be able to:

1. Describe, explain, and calculate descriptive statistics.
2. Distinguish between descriptive and inferential statistics.
3. Recognize limits of descriptive statistics.

**Specific Learning Objectives**

- describe and use frequency distribution tables and graphs
- describe and use mean, median, mode, standard deviation, and variance
- explain logic of hypothesis testing
- use correlation measures
- use t test and chi square tests

## Required Text

F. J. Gravetter and L. B. Wallnau (2015). Statistics for the Behavioral Sciences, tenth edition.

## Course Requirements and Assessment

Assessment	Date of Evaluation (if known)	Weighting
quizzes	every class	10%
test 1	May 18	25%
test 2	June 1	25%
final exam	TBD	40%
Total		100%

## Description of Assignments

All evaluation will be based on in-class quizzes, tests, and exams.

## Grading as per Senate Policy

The grading scheme for the course conforms to the 9-point grading system used in undergraduate programs at York (e.g., A+ = 9, A = 8, B+ = 7, C+ = 5, etc.). Assignments and tests\* will bear either a letter grade designation or a corresponding number grade (e.g. A+ = 90 to 100, A = 80 to 90, B+ = 75 to 79, etc.)

(For a full description of York grading system see the York University Undergraduate Calendar - [Grading Scheme for 2016-17](#))

## Late Work/Missed Tests or Exams

Students with a documented reason for missing a course test, such as illness, compassionate grounds, etc., which is confirmed by supporting documentation (Attending Physician Statement which can be found at: <http://registrar.yorku.ca/pdf/attending-physicians-statement.pdf>) may request accommodation from the Course Instructor. Further extensions or accommodation will require students to submit a formal petition to the Faculty.

There will be no makeup tests or quizzes. If you provide suitable documentation for missing a test or quiz, you will have the weight of the missed test added to the weight of the final exam, and the weight of the missed quiz distributed amongst the remaining quizzes. Tests and quizzes missed without adequate documentation will be assigned a mark of zero.

## IMPORTANT NEW INFORMATION REGARDING MISSED TESTS:

For any missed tests or late assignments, students **MUST** complete the following online form which will be received and reviewed in the Psychology undergraduate office.

[HH PSYC: Missed Tests/Exams Form](#) . Failure to complete the form within 7 calendar days of the original deadline will result in a grade of zero for the test/assignment.

## Add/Drop Deadlines

For a list of all important dates please refer to: [Summer 2017 - Important Dates](#)

	SU	S1	S2
Last date to add a course without permission of instructor	15-May	5-May	23-Jun
Last date to add a course with permission of instructor	29-May	12-May	30-Jun
Last date to drop course without receiving a grade	7-Jul	2-Jun	21-Jul
*Course Withdrawal Period (withdraw from a course and receive a grade of "W" on transcript – <a href="#">Add and Drop Deadline Information</a> )	July 8-31	June 3-12	July 22-31

*\*Note: You may withdraw from a course using the registration and enrolment system after the drop deadline until the last day of class for the term associated with the course. When you withdraw from a course, the course remains on your transcript without a grade and is notated as "W". The withdrawal will not affect your grade point average or count towards the credits required for your degree.*

## Information on Plagiarism Detection

Evaluation in this course is completely based on in-class tests and quizzes.

## Electronic Device Policy

Students are permitted to use electronic devices in class so long as they are not disruptive to other students.

## Attendance Policy

Attendance will not be taken.

## Academic Integrity for Students

York university takes academic integrity very seriously, please familiarize yourself with [Information about the Senate Policy on Academic Honesty](#)

It is recommended that you review Academic Integrity by completing the [Academic Integrity Tutorial](#) and [Academic Honesty Quiz](#)

## Test Banks:

The offering for sale of, buying of, and attempting to sell or buy test banks (banks of test questions and/or answers), or any course specific test questions/answers is not permitted in the Faculty of Health. Any student found to be doing this may be considered to have breached the Senate Policy on Academic Honesty. In particular, buying and attempting to sell banks of test questions and/or answers may be considered as "Cheating in an attempt to gain an improper advantage in an academic evaluation" (article 2.1.1 from the Senate Policy) and/or "encouraging, enabling or causing others" (article 2.1.10 from the Senate Policy) to cheat.

## Electronic Devices During a Test/Examination:

Electronic mobile devices of any kind are not allowed during a test or examination. Students are required to turn off and secure any electronic mobile device in their bag which is to be placed under

the chair while a test/exam is in progress. Any student observed with an electronic device during a test/exam may be reported to the Undergraduate Office for a potential breach of Academic Honesty.

### **Academic Accommodation for Students with Disabilities:**

While all individuals are expected to satisfy the requirements of their program of study and to aspire to do so at a level of excellence, the university recognizes that persons with disabilities may require reasonable accommodation to enable them to do so. The [York University Accessibility Hub](#) is your online stop for accessibility on campus. The [Accessibility Hub](#) provides tools, assistance and resources. Policy Statement

**Policy:** York University shall make reasonable and appropriate accommodations and adaptations in order to promote the ability of students with disabilities to fulfill the academic requirements of their programs.

The nature and extent of accommodations shall be consistent with and supportive of the integrity of the curriculum and of the academic standards of programs or courses.

Provided that students have given sufficient notice about their accommodation needs, instructors shall take reasonable steps to accommodate these needs in a manner consistent with the guidelines established hereunder.

For Further Information please refer to: [York university academic accommodation for students with disabilities policy](#)

### **Course Materials Copyright Information:**

These course materials are designed for use as part of the PSYC 2021 3.0B course at York University and are the property of the instructor unless otherwise stated. Third party copyrighted materials (such as book chapters, journal articles, music, videos, etc.) have either been licensed for use in this course or fall under an exception or limitation in Canadian Copyright law.

Copying this material for distribution (e.g. uploading material to a commercial third-party website) may lead to a violation of Copyright law. [Intellectual Property Rights Statement](#)

### **Course Schedule:**

See syllabus on course website, [yorku.ca/rfm/psyc2021/syllabus.pdf](http://yorku.ca/rfm/psyc2021/syllabus.pdf)