

Faculty of Health
Department of Psychology
PSYC 2022 3.0 M: STATISTICAL METHODS II
MONDAYS & WEDNESDAYS/19:00-22:00/Online via Zoom
SUMMER/2021

Please note that this is a course that depends on remote teaching and learning. The course will be delivered synchronously, and you are responsible to attend the lectures. There will be no in-class interactions or activities on campus. The exams and assignments will be delivered online on eClass.

Instructor Information

Instructor: Dr. Agnieszka Kopinska

Office Hours: by appointment

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Office Hours	TBA	TBA

Course Prerequisite(s): Course prerequisites are strictly enforced

- Prerequisite: One of HH/PSYC 2021 3.00, HH/KINE 2050 3.00, SC/MATH 2560 3.00.
- Prerequisite or corequisite: HH/PSYC 1010 6.00, GL/PSYC 2510 6.00, with a minimum grade of C when used as a prerequisite.

Course Credit Exclusions

Please refer to [York Courses Website](#) for a listing of any course credit exclusions.

Course website: <https://eclass.yorku.ca>

Course Description

This course is a sequel to PSYC 2021 3.0. Inferential statistics are studied.

Topics Covered

- Review of basic statistical concepts
- Independent samples t-test
- Dependent samples t-test
- One-way Independent Groups ANOVA (with contrasts)
- Two-way Independent Groups ANOVA (with interaction and contrasts)
- One-way Repeated Measures ANOVA (with contrasts)
- Correlation (including partial correlation)
- Simple Regression
- Multiple Regression (optional)

**Effect size is included as part of all inferential statistics covered in this course.*

Required Text

Gravetter, F.J., & Wallnau, L.B. Statistics for the Behavioral Sciences (10th ed.). Please wait with the purchase until the first class. Please don't ask me whether the previous editions can be used; make your own decision based on your comparison of both editions.

Course Requirements and Assessment:

Assessment	Date of Evaluation (if known)	Weighting
Midterm Exam	July 19	30%
Final Exam	August 12-19	30%
Mindtap Quizzes (optional)	Term	14%
Weekly Assignments	Term	12%
iClicker: in-class testing (optional)	Term	14%
Total		100%

Description of Assignments

As indicated on the schedule, there will be two exams based on assigned readings, lectures and videos/talks counting for 30% and 30% (cumulative final), Mindtap quizzes worth 14% total (optional), weekly forum posts 12%, and 14% for in-class testing (iClicker/optional). Exams and iClicker questions will be based on the material covered in the textbook, in class, and videos shown in class and assigned for home viewing. The percentage of the Mindtap quizzes and iClicker that you fail to receive (not completing quizzes or incorrect responses), will be accounted for by the weighted average of the two exams.

Class Format and Attendance Policy

The classes will be conducted on Zoom during the scheduled class time. iClicker is a system that allows you to participate in class using your smartphone. More information will be provided during the first class and on eClass. Please note that the grade will be computed by evenly weighting all the iClicker sessions (do not pay attention to grade showed on the application).

Attendance Policy: The student is responsible to know the material presented in class.

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 89, B+ = 75 to 79, etc.)

For a full description of York grading system see the York University Undergraduate Calendar – [Grading Scheme for 2020-21](#)

Missed Tests/Midterm Exams/Late Assignment:

For any missed quiz or late assignment, students MUST complete the following online form which will be received and reviewed in the Psychology undergraduate office. At this time, due to COVID-19 an Attending Physician's Statement (APS) is not required, however, a reason for missing an evaluated component in the course must be provided.

HH PSYC: Missed Tests/Exams Form. Failure to complete the form within 48 hours of the original deadline will result in a grade of zero for the missed quiz or late assignment.

Add/Drop Deadlines

For a list of all important dates please refer to: [Summer 2021 Important Dates](#)

Event	SU	S1	S2
Last date to add a course without permission of instructor	23-May	14-May	02-Jul
Last date to add a course with permission of instructor	07-Jun	21-May	09-Jul
Last date to drop course without receiving a grade	09-Jul	07-Jun	23-Jul
Course Withdrawal Period (withdraw from course and receive a "W" on transcript – see Add and Drop Deadline Information below)	July 10-Aug. 10	June 8-June 21	July 24-Aug. 10

Add and Drop Deadline Information

There are deadlines for adding and dropping courses, both academic and financial. Since, for the most part, the dates are **different**, be sure to read the information carefully so that you understand the differences between the sessional dates below and the [Refund Tables](#).

You are strongly advised to pay close attention to the "Last date to enrol without permission of course instructor" deadlines. These deadlines represent the last date students have unrestricted access to the registration and enrolment system.

After that date, you must contact the professor/department offering the course to arrange permission.

You can drop courses using the registration and enrolment system up until the last date to drop a course without receiving a grade (drop deadline).

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

Turnitin software may be used to detect plagiarism.

Electronic Device Policy

This course will be delivered in an online format and therefore electronic devices (e.g., tablets, laptops) are permitted during class time for course-related purposes. Unless specified otherwise, it is expected that you would complete tests/exams in a manner that does not require consulting an unauthorised source during an examination.

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.

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 university encourages students with disabilities to register with ***Student Accessibility Services (SAS)*** to discuss their accommodation needs as early as possible in the term to establish the recommended academic accommodations that will be communicated to Course Directors as necessary. **Please let me know as early as possible in the term if you anticipate requiring academic accommodation so that we can discuss how to consider your accommodation needs within the context of this course.**

<https://accessibility.students.yorku.ca/>

Excerpt from Senate Policy on Academic Accommodation for Students with Disabilities:

1. Pursuant to its commitment to sustaining an inclusive, equitable community in which all members are treated with respect and dignity, and consistent with applicable accessibility legislation, York University shall make reasonable and appropriate accommodations in order to promote the ability of students with disabilities to fulfill the academic requirements of their programs. This policy aims to eliminate systemic barriers to participation in academic activities by students with disabilities.

All students are expected to satisfy the essential learning outcomes of courses. Accommodations shall be consistent with, support and preserve the academic integrity of the curriculum and the academic standards of courses and programs. 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 PSYC2022 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

	DATE	TOPIC	CHAPTER
Jun	M28	Orientation	
	W30	Review	9
Jul	M5	t-Test for Independent Samples	10
	W7	t-Test Related Samples	11
	M12	ANOVA	12
	W14	Repeated-Measures ANOVA	
	M19	MIDTERM	
	W21	Two-Factor ANOVA	14
	M26	Correlation	15
	W28	Regression	16
Aug	M2	<i>Civic Holiday – no class</i>	
	W4	Chi-Square Test and Binomial Test	17 & 18
	M9	Nonparametric Approaches to Data	E
	12-19	FINAL TEST: check www.yorku.ca for schedule	