

YORK UNIVERSITY
FACULTY OF ARTS
PSYCHOLOGY 2020 6.0 E: STATISTICAL METHODS I AND II
F2018/W2019

FRIDAYS 11:30 – 14:30

FC 203

Course Director: Agnieszka Kopinska

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Text: Gravetter, F.J., & Wallnau, L.B. *Statistics for the Behavioral Sciences* (9th ed.).

Wait with your purchase until the first class

Mindtap (Aplia): <https://login.nelsonbrain.com/course/MTPNP8FPTFNN>

Moodle: <https://moodle.yorku.ca/>

DATE	TOPIC	CHAPTER
Sept. 7	Orientation Introduction	
14	Introduction / Math Review	1 & A
21	Frequency Distributions & Central Tendency	2 & 3
28	Variability & Standard Normal Distribution	4 & 5
Oct. 5	Probability	6
12	<i>Reading Week</i>	
19	Review	
26	TEST I	
Nov. 2	Statistical Inference: Sampling Distributions	7
9	Hypothesis Testing: Basics	8
16	Hypothesis Testing: Power, Effect Size, P-value	
23	One Sample t-Test	9
30	Review	
Jan. 4	TEST II	
11	t-Test for Independent Samples	10
18	t-Test for Related Samples	11
25	ANOVA	12
Feb. 1	Repeated-Measures ANOVA	13
8	<i>Last date to drop course without receiving grade</i>	
8	Review	
15	<i>Reading Week</i>	
22	TEST III	
Mar. 1	Two-Factor ANOVA	14
8	Correlation & Regression	15 & 16
15	Chi-Square Test & Binomial Test	17 & 18
22	Nonparametric Approaches to Data	19 & E
29	Review	
Apr. 5-20	FINAL TEST: check www.yorku.ca for schedule	
	Trips are not a valid excuse for missing the exams	

Course Description: An introduction to the analysis of data from psychological studies. Fundamental concepts and techniques of both descriptive and inferential statistics and their application to psychological research. Prerequisite or corequisite: HH/PSYC 1010 6.00, with a minimum grade of C when used as a prerequisite. Course credit exclusions: HH/PSYC 2021 3.00, HH/PSYC 2022 3.00, SC/BIOB 2060 3.00, HH/KINE 2050 3.00, HH/KINE 3150 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00, SC/MATH 2570 3.00, GL/PSYC 2530 3.00, GL/PSYC 2531 3.00.

Evaluation: As indicated on the schedule, there will be four exams based on assigned readings, lectures and videos/talks counting for 76% (19% each), Aplia quizzes worth 12% total (optional), 12% for in-class testing (iClicker/optional), and 2% bonus participation (answering questions online, organizing study groups). If you opt out of Aplia or Clicker, your exams will be more heavily weighted.

In addition to your calculator, writing tools, and two pieces of ID, you will be allowed two sides of 4" X 5" card on which you may put anything you consider to be useful. You will be provided with the tables but not the formulae.

Grading: Grades are not negotiable. There will be no extra assignments. 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.). (For a full description of York grading system see the York University Undergraduate Calendar - [Grading Scheme for 2017-18](#))

Aplia Quizzes (optional): There will be an Aplia quiz(es) for each lecture. You will be allowed to take each quiz question three times and the average ('do no harm') will be used for the computation of your Aplia component of the grade. The deadline for each quiz will be set at 11:45pm Sunday following the lecture and no extensions will be granted. See the course website for more information about Aplia. You are strongly encouraged to read and attempt each question before the class.

iClicker: the system that will allow you to participate in class using your smartphone. More information will be provided during the first class and on Moodle. Please note that answering iClicker questions outside of class is considered to be academic dishonesty.

Electronic Device Policy

Unless there are documented needs, there will be no personal electronic device usage during the class time (computers, iPads, etc.). Smart phones will be allowed only during iClicker polling sessions.

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

Policy on Missed Examinations/Assignments:

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://myacademicrecord.students.yorku.ca/pdf/attending-physicians-statement.pdf> may request accommodation from the Course Instructor.

In the case of a missed test the student will be required to write a make-up test. Only **ONE** make-up test is allowed in the course, any other missed tests will stand at the value of zero.

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 **48 hours** of the original deadline will result in a grade of zero for the test/assignment.

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 information [SPARK Academic Integrity modules](#). These modules explain principles of academic honesty.

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.

Add/Drop Deadlines

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

Important dates	Fall (F)	Year (Y)	Winter (W)
Last date to add a course without permission of instructor (also see Financial Deadlines)	Sep. 18	Sept 18	Jan. 16
Last date to add a course with permission of instructor (also see Financial Deadlines)	Oct 2	Oct 23	Jan. 30
Last date to drop a course without receiving a grade (also see Financial Deadlines)	Nov 9	Feb 8	Mar 8
Course Withdrawal Period (withdraw from a course and receive a “W” on the transcript)	Nov 10 - Dec 4	Feb 9 - Apr 3	March 9 - Apr. 3

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.

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 [York University Accessibility Hub](#) is your online stop for accessibility on campus. It provides tools, assistance and resources.

Policy Statement: 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 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](#)

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