

YORK UNIVERSITY
FACULTY OF ARTS
PSYCHOLOGY 2020 6.0 A: STATISTICAL METHODS I AND II
2015-2016

THURSDAY 19:00 – 22:00

RS 203

Course Director: Agnieszka Kopinska
Office Hour: by appointment
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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/MTPOPT7PGS9B>

Web Site: http://kopinska.apps01.yorku.ca/_2020_2015Y.html password: ak2020

Facebook: Psyc2020A2015Y <https://www.facebook.com/Psyc2020A2015Y>

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

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: AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, with a minimum grade of C when used as a prerequisite. Course credit exclusions: AK/AS/HH/SC/PSYC 2021 3.00, AK/AS/HH/SC/PSYC 2022 3.00, AK/PSYC 2510 3.00 (prior to Summer 2002), AK/PSYC 3110 3.00 (prior to Summer 2002), SC/BIOL 2060 3.00, SC/BIOL 3090 3.00 (prior to Summer 2000), AS/ECON 2500 3.00, AK/ECON 3470 3.00, AK/ECON 3480 3.00, AS/ECON 3500 3.00, AS/HH/SC/KINE 2050 3.00, AS/HH/SC/KINE 3150 3.00, AK/AS/SC/MATH 2500 3.00, AK/AS/SC/MATH 2560 3.00, AK/AS/SC/MATH 2565 3.00, AK/AS/SC/MATH 2570 3.00, AS/POLS 3300 6.00, AS/SOCI 3030 6.00, GL/PSYC 2530 3.00. Note 1: The course credit exclusions listed above

may not be substituted for AK/AS/HH/SC/PSYC 2020 6.00 to satisfy psychology degree requirements unless approved as acceptable substitutes by the department and Faculty. Please consult the relevant department and Faculty for more information. Note 2: Students who discontinue registration in AK/AS/HH/SC/PSYC 2020 6.00 after the fall term may not petition for credit for a half course in statistics.

Evaluation: As indicated on the schedule, there will be four exams based on assigned readings, lectures and videos/talks counting for 80% (20% each), Aplia quizzes worth 10% total (optional), and 10% for in-class testing (clickers). 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: <http://calendars.registrar.yorku.ca/>)

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 11:00pm 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.

Clickers (optional): The clickers NEED to be purchased and REGISTERED one day before the second lecture. For more information about clicker purchase and registration go to <http://www.yorku.ca/prs/students/index.htm>

POLICY ON MISSED EXAMINATIONS

1. Within 48 hours of the missed test or examination, students must contact the instructor either in-person or by e-mail. 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.
2. Appropriate documentation verifying the circumstances for the missed test or examination must be provided prior to or at the time specified by the instructor. Failure to provide appropriate documentation will result in a grade of 0 on the missed test.
 - A. Tests or examinations missed on the grounds of medical circumstances must be supported by the [Attending Physician's Statement](#). This is the **ONLY** form of medical documentation acceptable in this course. A "doctor's note" is **NOT** sufficient.
 - B. Tests or examinations missed on grounds of non-medical circumstances must be supported by appropriate documentation, i.e., death certificates, obituary notice, automobile accident reports, airline/train/bus tickets/receipt for emergency travel, etc.

IMPORTANT COURSE INFORMATION FOR STUDENTS

All students are expected to familiarize themselves with the following information:

- [Senate Policy on Academic Honesty and the Academic Integrity Website](#)
 - [Ethics Review Process for research involving human participants](#)
 - [Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities](#)
 - Religious Observance Accommodation
- Students, who because of religious commitment cannot meet academic obligations, are responsible for giving their instructor reasonable notice (not less than 14 days) of each conflict **BEFORE THE TEST or DUE DATE**.