

**YORK UNIVERSITY**  
**HH/ PSYC 2021 3.0 N Statistical Methods I (Winter, 2014)**  
**Friday 14:30 – 17:30**  
**Curtis Lecture Hall A**

**Course Director:** Andy Ng  
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Office: Atkinson 038G  
Office hours: Fridays, 12:00 – 13:00, or by appointment

**Teaching Assistants:** Maria Ayala  
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James Roseborough  
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Office: BSB 329  
Office hours: Tuesdays, 12:30 – 13:30, or by appointment

**Course Web Address:** Available at: moodle.yorku.ca with your Passport York Account.

When sending email to the Course Director or TAs, please put the course number (PSYC 2021 N) in the subject line. **Please read this course outline carefully and refrain from asking questions that could have been answered by simply reading this document.**

**Prerequisite / Co-requisite:** AK/AS/HH/SC/PSYC 1010 6.00 or AK/HH/PSYC 2410 6.00, GL/PSYC 2510 6.00, with a **minimum grade of C** when used as a prerequisite.

**Course credit exclusions:** AK/AS/HH/SC/PSYC 2020 6.00, AK/PSYC 2510 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, AS/HH/SC/KINE 2050 3.00, AK/AS/SC/MATH 2500 3.00, AK/AS/SC/MATH 2560 3.00, AS/POLS 3300 6.00, AS/SOCI 3030 6.00, GL/PSYC 2530 3.00.

Note: Students who do not meet prerequisite/co-requisite requirements should not enroll in this course. **If you have enrolled by mistake, you will be de-enrolled later by the Department of Psychology, so it is advised that you drop this course as soon as possible to get a portion of the tuition fee refunded.** The Course Director and TAs do not deal with enrolment issues. Please visit the Undergraduate Office (BSB 291/292) for assistance.

**Course Description:** In this course, you will be introduced to some fundamental concepts and applications of descriptive and inferential statistics, especially that related to psychological research. Specific topics are outlined later in this document.

**Course Text:** Gravetter, F.J. & Wallnau, L. (2013). Statistics for the Behavioral Sciences, 9th Edition, Belmont, CA: Wadsworth. ISBN: 1133395716 (available in the University Bookstore; also available in the library, BF 39 G72 2012)

**Organization of the course:** This course is based on lectures and (unofficial) tutorials. In each class, there is a lecture in the first two hours and a tutorial (in the same classroom) in the last hour.

**Evaluation:** Two exams each worth 50%. Each exam will consist of multiple-choice questions and statistical questions that require detailed written answers. Please see below for dates. You will be allowed to use your basic calculator and a 4" X 5" cheat sheet (a sheet on which you may put anything on both sides). You will be provided with statistical tables but not formulae, so you may want to include formulae on your sheet.

<b>Date</b>	<b>Topic</b>	<b>Chapter(s)</b>
Jan 10	Introduction & Math Review	1 & A
Jan 17	Frequency Distributions & Central Tendency	2 & 3
Jan 24	Variability & Normal Distribution	4 & 5
Jan 31	Probability	6
Feb 7	Sampling Distributions	7
<b>Feb 14</b>	<b>Midterm Exam (50%)</b>	<b>1 - 7*</b>
Feb 21	No class (reading week)	
Feb 28	Hypothesis Testing	8
Mar 7	One Sample T-Test and P-Value	9
<i>Mar 7</i>	<i>Last date to drop courses without receiving a grade</i>	
Mar 14	T-test for Two Independent Samples	10
Mar 21	T-test for Two Dependent Samples	11
Mar 28	Correlation	15
Apr 4	Chi-Square Statistic	17
<b>Final Exam Period:</b> <b>Apr 8 - Apr 24</b>	<b>Final Exam (50%)</b> (check university website for schedule)	<b>1 - 11, 15, 17*</b>

\*Note: Exams are based on lectures and textbook. Textbook chapters are covered in its entirety unless otherwise specified.

**Grading:** Grades are not negotiable and will only be altered in the case of a grading error. 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/pdfs/ug2004cal/calug04\\_5\\_acadinfo.pdf](http://calendars.registrar.yorku.ca/pdfs/ug2004cal/calug04_5_acadinfo.pdf))

### **Policy for Missed Tests**

1. The student must contact his or her assigned Teaching Assistant and copy the Course Director by email within 48 hours after the test. If you cannot contact the TA during this 48-hour period, subsequent documentation accounting for the delay must be provided. In your email, you must state your name, student number, and the reason you cannot take the test. The student must show appropriate documentation to the TA. The documentation must verify the circumstances for the missed test. **The only legitimately recognized reason for missing a test is a medical one.** Test missed on the grounds of medical conditions must be supported by an attending physician's statement Form. The form could be downloaded from the Registrar's Office Website:

[http://www.registrar.yorku.ca/pdf/attend\\_physician\\_statement.pdf](http://www.registrar.yorku.ca/pdf/attend_physician_statement.pdf)

The document **MUST** state that the student is incapacitated to an extent that taking the test on the date of the test is not possible. The department of Psychology encourages Course Directors to verify suspicious student claims with the physicians directly. Failure to provide appropriate documentation will result in a grade of "0%" for the missed test.

2. All make-up tests will be held approximately one week following the original test date. You will be informed of the time and location of the exam by the TA. Although the content to be examined will be the same, the format may or may not follow that of the original exam. **There is only one opportunity for writing the make-up test.** A conflict with another course during the time of the make-up is not an acceptable reason for missing a make-up, unless the conflict involves another exam. Please also note that if you miss a test, regardless of your reason, you have waived the right to have a specific percentage of your overall grade available to you prior to the drop date.

3. Non-medical circumstances may be considered and must be supported by appropriate documentation (i.e. death certificates, or obituary notice in the case of attending funeral for a close relative, and your birth certificate etc. to prove your relationship to the deceased). Please note that business or personal travel is not a valid reason for missing a test.

4. If any of the test dates specified in this syllabus is in conflict with a particular religious holiday, please email the TA and copy the Course Director in the first three

weeks of class. The claim will be checked against the list of recognized religious holidays (<http://www.registrar.yorku.ca/enrol/dates/religious.htm>).

## **Important York Policies**

### Academic Honesty (Senate Policy)

The Policy on Academic Honesty is a reaffirmation and clarification for members of the University of the general obligation to maintain the highest standards of academic honesty. It outlines the general responsibility of faculty to foster acceptable standards of academic conduct and of the student to be mindful of and abide by such standards. Faculty members are encouraged to pursue suspected cases of academic honesty with formal charges. Students should, however, review the York Academic Honesty policy for themselves at:

<http://www.yorku.ca/secretariat/policies/document.php?document=69&plain=y>  
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Students might also wish to review the interactive on-line Tutorial for students on academic integrity, at: [http://www.yorku.ca/tutorial/academic\\_integrity/](http://www.yorku.ca/tutorial/academic_integrity/)

### Religious Accommodation

York University is committed to respecting the religious beliefs and practices of all members of the community, and making accommodations for observances of special significance to adherents. Should any of the dates specified in your course syllabus for an in-class test or examination pose such a conflict for you, contact the Course Director within the first three weeks of class. Similarly, should an assignment to be completed in a lab, practicum placement, workshop, etc., scheduled later in the term pose such a conflict, contact the Course Director immediately. More information is located here:

<https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs>