

## Course Syllabus

### PSYB07 – Fall 2015

Data Analysis in Psychology

**Lectures location:** SY 110

**Lectures times:** Wednesdays 2 - 5 pm

**Course Instructor:**

Dwayne E. Paré

[dwayne.pare@utoronto.ca](mailto:dwayne.pare@utoronto.ca)

**Office:** SW415

**Teaching Assistants:** TA info is posted on the Blackboard course page.

**Course Description:** This course is focused on the fundamentals (both theory and application) of statistical procedures used in research in the field of psychology. We will cover methods researchers often use to analyze their data – ranging from descriptive statistics to simple tests of significance, such as Chi-square, t-tests, correlation and regression.

**Textbook:** Statistical Methods in Psychology

**Author:** David C. Howell

**Edition:** 8<sup>th</sup> (or 7<sup>th</sup>)

**Course Evaluation:** Your final grade in the course will be based on:

**Quizzes (5 x 2% = 10%):**

You will be given a number of ‘pop’ quizzes and homework quizzes throughout the course. Pop quizzes will be given during tutorial while homework quizzes will be done online. Your lowest quiz score (either pop or homework) will be dropped. There will be at least 6 quizzes in total.

**Online Activities (4 x 3% = 12%):**

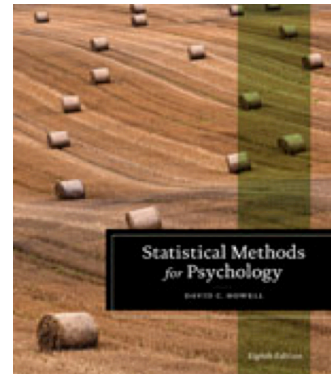
There will be 4 Online Activities in the course to give you some hands on experience with data and/or other interesting experiences. Details about each activity will be posted on Blackboard throughout the term. These activities are to supplement the lecture-time and will be given on a semi-regular basis.

**Assignments (8%):**

You will have 1 Assignment for this course. The assignment will be handed in during tutorial and/or online. Details of the assignment(s) will be posted on Blackboard.

**Mid-term examination (35%):**

The date for the mid-term examination will be posted and announced early in the term (check Blackboard announcements regularly).



## Final examination (35%)

The date for the final examination will be published by the registrar's office sometime during the term.

The exams will be 3 hours long and will assess your theoretical understanding of the material as well as your ability to solve problems.

## Tentative Course Outline (please refer to lectures for actual chapter dates):

Date	Week	Topic	Chapters
Sept 9	1	Introduction	
Sept 16	2	Basic Concepts	1 & 2
Sept 23	3	Descriptive Statistics and graphing	2
Sept 30	4	Probability	5
Oct 7	5	Normal distribution	3
Oct 21	6	Intro to hypothesis testing and power	4
Oct 28	7	Midterm Review (tentative)	
Nov 4	8	t-tests	7
Nov 11	9	t-tests continued	7
Nov 18	10	Chi-square	6
Nov 25	11	Correlation and Regression	9
Dec 2	12	Final Review	

### Make-Ups (quizzes & exams):

Make-up quizzes are not given; you are expected to be in tutorial to write the quiz. Make-up mid-terms are only given if appropriate documentation is provided. Students who miss the mid-term exam are required to present a medical certificate if a test is missed due to illness. The certificate must state that, in the physician's opinion, you are unable to write the test, not just that you were examined for a complaint. Do not phone or e-mail your instructor or TA concerning missed exams. Certificates are to be given to the invigilator at the time of the exam.

### Deferred Exams:

For final exams, UTSC sets the policies (not the course instructor). You are allowed to defer your exam if you cannot write it - but you must follow the university's procedures. Please see this link for information on how to defer a final exam: [http://www.utsc.utoronto.ca/~registrar/current\\_students/deferred\\_exams](http://www.utsc.utoronto.ca/~registrar/current_students/deferred_exams)

### Policies on Academic Integrity

Please review the UTSC Code on Academic Behaviour:

[http://www.utsc.utoronto.ca/courses/calendar/University\\_of\\_Toronto\\_Policies.html#Code\\_of\\_Behaviour\\_on\\_Academic\\_Matters](http://www.utsc.utoronto.ca/courses/calendar/University_of_Toronto_Policies.html#Code_of_Behaviour_on_Academic_Matters)

### AccessAbility

Students with diverse learning needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, please feel free to approach me and/or the AccessAbility Services Office as soon as possible. The UTSC AccessAbility Services staff (located in S302) are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations (416) 287-7560 or [ability@utsc.utoronto.ca](mailto:ability@utsc.utoronto.ca). The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

*The above schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances.*