

## *Course Syllabus*

### **PSYB07 – Fall 2012** Data Analysis in Psychology

**Lectures location:** SY 110  
**Lectures times:** Wednesdays 2 - 5 pm

**Course Instructors:**  
Gelareh Jowkar  
&  
Dwayne E. Paré

#### **Contact Info:**

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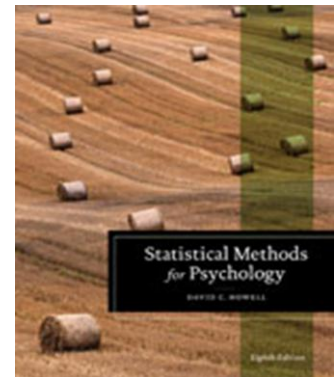
**Teaching Assistants:** TA info is posted on the Blackboard course page.

**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.

**Text book:** 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:

<b>Quizzes and Assignment</b>	(20%)
<b>Quizzes</b>	(12%)
<b>Assignment</b>	(8%)
<b>Mid-term examination</b>	(35%)
<b>Final examination</b>	(45%)



Quizzes are either given randomly as ‘pop’ quizzes during tutorials or they will be available as online homework quizzes throughout the term. There will be one assignment near the end the course as a general review of most of the material covered.

## Tentative Course Outline:

Date	Week	Topic	Chapters
Sept 12	1	Introduction	
Sept 19	2	Basic Concepts	1 & 2
Sept 26	3	Descriptive Statistics and graphing	2
Oct 3	4	Probability	5
Oct 10	5	Normal distribution	3
Oct 17	6	Intro to hypothesis testing and power	4
Oct 24	7	Midterm Review	
Oct 31	8	t-tests	7
Nov 7	9	t-tests continued	7
Nov 14	10	Chi-square	6
Nov 21	11	Correlation and Regression	9
Nov 28	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 styles and 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.*