

**Syllabus for PSY 1010 - Introduction to Statistics**  
**Fall term for Academic Year 2006 – 2007**

<b>Instructor</b> Prof. John X. Zhang	<b>Tutor</b> Shelley X. L. Tong	<b>Tutor</b> Joyce L. Y. Kwan
Office: SB 352	Office: SB 351	Office: SB 351
Tel: 2609 6195 (o), 6115 6690 (m)	Tel: 2609 6521	Tel: 2609 6521
E-mail: jxzhang@cuhk.edu.hk	E-mail: xltong@psy.cuhk.edu.hk	E-mail: jlykwan@psy.cuhk.edu.hk
Office Hour:	Office Hour:	Office Hour:
Wed 2:00 -- 4:00pm	Tue 10: 30 am -- 12: 30 pm	Tue 2:30 -- 4:30 pm
MSN: xuexinzhang@hotmail.com		
Skype: johnxuexinzhang		

<b>Lecture</b> Tue 8:30 -- 10:15 am	<b>Tutorial</b> Session 1: Thu 12:30 -- 1:15 pm, SB 349
FYB LT 4	2: Thu 1:30 -- 2:15 pm, SB 349

## Objectives

In this course, you should gain the following:

- The ability to understand and explain to others the statistical analyses in reports of psychological research.
- A preparation for more advanced statistical procedures.
- The ability to identify the appropriate statistical procedure for many basic research situations and to carry out the necessary computations.
- Further development of your quantitative and analytic thinking skills.
- Understanding of how to use SPSS to analyse behavioral data.

## Textbook

Aron, A., Aron, E. N., & Coups, E. J. (2006). *Statistics for Psychology (4<sup>th</sup> ed)*. Upper Saddle River, NJ: Pearson Education. (*Compulsory*)  
Green, S. B., & Salkind, N. J. (2003). *Using SPSS for Windows and Macintosh: Analyzing and Understanding Data*. Upper Saddle River, NJ: Pearson Education. (*For reference only*)

## Tutorial

In the tutorials, the TA. will answer questions about the problem sets and homework, lead discussion of relevant statistical issues, and provide instructions for using SPSS.

## Homework

Homework must be handed in one week after it is handed out, by 5pm, Tuesday. It should be placed in the class mailbox. Please note that you **MUST** do the entire homework by yourself – you **MUST NOT** work with anyone

else. Any answers that show evidence of having been done with others will score zero; stronger action may also be taken (see below). Late homework answers will NOT be graded, and will score zero.

### Grading

There will be three quizzes, each worth 25% of the total grade. Quiz 1 covers Lectures 1-4, Quiz 2 covers Lectures 5-8, and Quiz 3 covers 9-12. The remaining 25% will be calculated from performance on the homework.

### Mobile Phones

Mobile phones must be switched off in class at all times. Students found talking on mobile phones during class will be asked to leave the classroom for the remainder of the lecture.

### Lecture/Tutorial Schedule

Week	Lecture			Tutorial		HW
	Date	Topic	Chpt	Date	Topic	
1	5 Sep	1. Basic concepts in statistics	1	7 Sep	Introduction	
2	12 Sep	2. Descriptive statistics	2	14 Sep	Basics of SPSS	# 1
3	19 Sep	3. Normal Distribution	3	21 Sep	Normal Distribution	
4	26 Sep	4. Hypothesis Testing I	4	28 Sep	Hypothesis Testing	
5	3 Oct	5. Hypothesis Testing II	5	5 Oct	Quiz 1	# 2
6	10 Oct	6. Effect size, power	6	12 Oct	Power Analysis	
7	17 Oct	7. One-sample, paired t-test	7	19 Oct	t-test I	# 3
8	24 Oct	8. two-sample t-test	8	26 Oct	t-test II	
9	31 Oct	9. One-way ANOVA	9	2 Nov	Quiz 2	# 4
10	7 Nov	10. Correlation	11	9 Nov	One-way ANOVA	
11	14 Nov	11. Simple Regression	12	16 Nov	Correlation	
12	21 Nov	12. Chi-square test	13	23 Nov	Regression	# 5
13	28 Nov	13. Review	--	30 Nov	Quiz 3	

## Plagiarism policy

Attention is drawn to University policy and regulations on honesty in academic work, and to the disciplinary guidelines and procedures applicable to breaches of such policy and regulations. Details may be found at <http://www.cuhk.edu.hk/policy/academichonesty/> . Students are required to submit a statement acknowledging that they are aware of these policies, regulations, guidelines and procedures and pledging to be honest in their academic work.

Any assignment (i.e., project, essay, or paper) that shows evidence of plagiarism will be marked down severely. In simple terms, plagiarism is copying passages and/or ideas from other sources without referencing those sources. Moreover, when you report someone else's ideas/findings you must put it in your own words and not merely copy full sentences or parts of sentences from the source article. It is your responsibility as a scholar-in-training to cite the ideas and work of others correctly. Please visit the following additional websites for discussions of how to recognize and avoid plagiarism.

<http://www.indiana.edu/~wts/wts/plagiarism.html>

<http://www.hamilton.edu/academic/Resource/WC/AvoidingPlagiarism.html>

**(To be signed by students at the beginning of the semester)**

I promise that all assignments submitted to this course across the entire semester will be original except for source material explicitly acknowledged, and that the same or related material has not been previously submitted for another course. I also acknowledge that I am aware of University policy and regulations on honesty in academic work, and of the disciplinary guidelines and procedures applicable to breaches of such policy and regulations as contained in the website <http://www.cuhk.edu.hk/policy/academichonesty/>.

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Signature

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Date

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Name

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Student ID

PSY1010  
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Course code

Introduction to Statistics  
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Course Title