ECON 2121A
Methods of Economic Statistics
1st Term, 2017-2018

Lecture Hours and Location:

Tue 2:30pm - 5:15pm (T07-09); ELB LT4

Instructor:

	Office:	Phone:	E-mail:
YUNG Chor-Wing Linda	ELB 1010	3943-8192	cwyung186@cuhk.edu.hk

Teaching Assistants:

	Office:	Phone:	E-mail:
KWOK Stanley	ELB 1017	3943-8202	1006758761@link.cuhk.edu.hk
NI Shengqi	ELB 1016	3943-8203	lightni@link.cuhk.edu.hk

Course Description and Objective:

This course studies basic statistical concepts and their applications. Major topics include: descriptive statistics; probability distributions; sampling; estimation; hypothesis testing; regression and correlation analysis. Students should have knowledge of elementary differential and integral calculus, and are advised to take ECON1111 before taking this course.

Upon successful completion of this course, students should demonstrate their mastery of the basic knowledge of statistical concepts and techniques, develop their statistical thinking and reasoning skills, and feel comfortable in applying the statistical techniques and thinking in analyzing data..

Recommended Textbook: Anderson, Sweeney, Williams, Camm and Cochran, 2017, *Statistics for Business & Economics*, 13th edition, Cengage Learning

Course Assessment Scheme:

Quizzes	20%
Mid-term	35%
Final	45%

Course Activities:

- *Tutorials and Problem Sets*

  Weekly problem sets will be posted on the class Blackboard as we go along. Problem sets will **NOT** count towards your grade. However, it is an essential adjunct to the lecture material, and will assist you in preparing for the exams. Therefore, it is very important that you work on your own before tutorial class. Tutorials will start on the third week. It will go through some of the assignments.

- *Quizzes*

  2 short quizzes will be given during class on *3rd Oct 2017* and *21st Nov 2017* respectively to assess the understanding of the lecture material. All quizzes are equally weighted. There will be **no makeup** quizzes.

- *Mid-term (17th Oct, 2017) 4:30pm - 6:15pm, YIA LT1 (tentative)*

  Please note carefully the date, time and venue of the mid-term; there will be **no makeup exam** for the mid-term. This is **not negotiable.** If you miss the mid-term, due to a documented illness or emergency, and have **received my approval prior to the mid-term exam**, your final exam score will receive the weight of the mid-term in addition to its own weight.

- *Final (time and date will be announced later)*

Final will be arranged by the University, please observe the date and venue. The University has very strict regulations on how the final exam works. So please make sure you can make it.

For exchange students, please note that early departure is NOT a valid reason for not taking the final examination at the time scheduled by the University.

Course Content and Tentative Schedule:

Week	Topic	Readings: Chapter
1	Data and Descriptive Statistics	1, 2
2	Numerical Measures	3
3	Introduction to Probability	4
4	Discrete Probability Distributions	5
5	Continuous Probability Distributions **Quiz 1**	6
6	Sampling and Sampling Distributions	7
7	**Mid-term**	
8	Sampling and Sampling Distributions	7
9	Interval Estimation	8
10	Hypothesis Tests	9
11	Inference with Two Populations	10, 11
12	Analysis of Variance **Quiz 2**	13
13	Simple Linear Regression	14

Note:
- Course notes and announcements will be posted on the class Blackboard. (https://blackboard.cuhk.edu.hk Please check frequently.