Department of Economics
University of Toronto
Fall 2012/2013 academic year

Course   **ECO220Y1Y Quantitative Methods in Economics (Section L0501)**

Time   **Monday 6:10–9:00pm in MP102**

Instructor   **Victor Yu**
Office   GE 344, Max Gluskin House, 150 St. George Street
E-mail   victor.yu@utoronto.ca

- ALWAYS indicate that you are a student in ECO220 in your email. Otherwise you will get my reply with only one sentence: "What course are you taking?"
- Sometimes it may be easier to explain the statistical concepts on the phone. If you think that may be the case, please include a phone number and a convenient time for me to call you. I will try my best to call you at that time.
- Never send attachment with your email. Attachments will not be opened.

Office hours   Wednesday   12:00–1:30pm in GE344
               Thursday*   1:00–3:00pm in GE344
      *Due to unforeseen circumstances, the office hours on Thursdays may change on some days. If there is a change, an announcement will be posted in Blackboard on or before Thursday. It is not necessary, but it is recommended that you email Dr. Yu before you come to the office hour.

Website   Blackboard.

Textbook   Sharpe, De Veaux, Velleman, Wright: Business Statistics, Custom Canadian Edition for the University of Toronto, Pearson 2012, ISBN 978-1-256-10783-5.

Marking		Date	Time	Weight	Location
Scheme	Test 1	2012–10–15(Mon)	6–8pm	10%	SF3201, 3202
	Test 2	2012–12–05(*Wed*)	6–8pm	16%	EX100
	Test 3	2013–02–11(Mon)	6–8pm	17%	EX100
	Test 4	2013–03–25(Mon)	6–8pm	17%	EX100
	Excel Test	2013 March/April		6%	Multimedia Room*
	Final Exam (3 hours)	2013 April 10-30		34%	TBA by A&S

Total   100%

* Multimedia classroom (Room 36 in the basement), Department of Sociology, 725 Spadina Avenue, corner of Spadina and Bloor. The Excel test is roughly a 30-minute to one-hour test in March/April 2013. Details will be announced in Blackboard by Christy Chen, the instructor for Excel.

Aids Allowed in Tests and Final Exam

Formula sheet (provided to you) and a non-programmable calculator.

Computer tutorials and the Excel test

The instructor Christy Chen will post all information in Blackboard regarding the computer training and test. Please email her directly at christy.chen@utoronto.ca for any issues regarding the computer tutorials and excel test.

Help Sessions/Tutorials

The TA will hold tutorials before each term test and the final exam. Details on the tutorials will be posted in Blackboard.

Course Outline

The lectures will fall behind the course Outline. The idea is to have the students read the textbook before coming to class. The test dates may change due to room availabilities. Exact test dates will be updated.

Year	Date	Chapter	Contents
2012	09–10	1	An Introduction to Statistics
		2.1–2.3	Data
		3.1–3.3	Surveys and Sampling
	09–17	4.1–4.4	Describing categorical data
		5.1–5.9	Describing quantitative data
		5.1–5.9	Describing quantitative data (continued)
	09–24	6.1–6.9	Randomness and Probability
	10–01	6.1–6.9	Randomness and Probability (continued)
		7.1–7.5	Scatterplots, association, and correlation
	10–08	Thanksgiving, no class	
	10–15	**Test 1 (6–8pm, SF3201 and SF3202)**	
	10–22	8.1–8.7	Introduction to linear regression
	10–29	8.1–8.7	Introduction to linear regression (continued)
	11–05	9.1–9.6	Random variables and probability distributions
		9.8–9.10	Random variables and probability distributions
	11–12	Fall break, no class	
	11–19	10.1–10.8	Sampling distributions
	11–26	11.5–11.6	Confidence intervals for proportions
	12–03	11.5–11.6	Confidence intervals for proportions
	12–05	**Test 2 (6–8pm, EX100)**	

Year	Date	Chapter	Contents
2013	01–07	12.1–12.9	Testing Hypotheses about Proportions
	01–14	12.1–12.9	Testing Hypotheses about Proportions
	01–21	13.1–13.7	Confidence Intervals and Hypothesis Tests for Means
	01–28	13.1–13.7	Confidence Intervals and Hypothesis Tests for Means
	02–04	18.1–18.7	Inference for Regression
	02–11		**Test 3 (6–8pm, EX100)**
	02–18		Study break, no class
	02–25	18.1–18.7	Inference for Regression
	03–04	19.1–19.8	Understanding Residuals
	03–11	20.1–20.6	Multiple Regression
	03–18	20.1–20.6	Multiple Regression
	03–25		**Test 4 (6–8pm, EX100)**
	04–01	21.1–21.6	Building Multiple Regression Models
	April 10 - April 30		*Final Exam* (*3 hours*)

Exercises from textbook

Work out at least 10 even-numbered exercises from each chapter in the textbook. The more questions you work on, the better you will understand the material. The solutions are given at the back of the book.

Missing Term Test

- If you miss a test, you must submit a **medical doctor's note** or a **letter** to Dr. Yu explaining the reason for missing the test. There is no make up test.
- If you miss only one test, the missing test is assumed to have a test mark equal to the final exam mark.
- If you miss more than one test, the 2nd, 3rd and 4th missing tests will get zero marks.
- In case there is an upward adjustment to the course marks, only students who have completed all term tests and the final exam will be adjusted. Students who miss one or more tests will not get any upward adjustment in the course marks. For example, if there is an upward adjustment of 5 marks to the final exam, only the students who have completed all term tests and the final exam will be adjusted. Students who miss one or more tests will NOT get this adjustment.