

Department of Economics  
University of Toronto  
Fall 2011/2012 academic year

**Course**            **ECO220Y1Y Quantitative Methods in Economics (Section L0301)**

**Time**            **Wednesday 10:10 – 12:00 in AH100 (lecture)**  
                      **Friday 10:10 – 11:00 in AH100 (lecture or tutorial)**  
**The sessions on Wednesdays are lectures. The sessions on Fridays may be lectures or tutorials. See Course Outline below.**

**Instructor**    **Dr. Victor Yu**

Office            GE 344, Max Gluskin House, 150 St. George Street

E-mail           [victoryu@chass.utoronto.ca](mailto:victoryu@chass.utoronto.ca)

- Never send attachment with your email. Attachment will not be opened.

Office hours    Wednesday 12:30 – 14:00 in GE344

                      Friday\* 11:30 – 14:00 *by appointment*

\* Due to unforeseen circumstances, the office hours on Friday may change on some Fridays. If there is a change on the office hours on a Friday, an announcement will be posted in Blackboard on or before Thursday. If you wish to come for office hours on Friday, please email Dr. Yu before midnight on Thursday to make an appointment.

**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.

<b>Marking Scheme</b>	<u>Date</u>	<u>Time</u>	<u>Weight</u>	<u>Location</u>
Test 1	2011-10-19 (Wed),	10-12	15%	EX310, EX320
Test 2	2011-11-30 (Wed),	10-12	15%	UC266, UC273
Test 3	2012-02-08 (Wed),	10-12	15%	EX200
Test 4	2012-03-21 (Wed),	10-12	15%	EX100
Excel Test	2012 March/April		6%	Multimedia Room*
Final Exam (3 hours)	April 11-30		34%	TBA by A&S

Total 100%

You will be assigned to a test room by last name.

\* 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 2012. 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](mailto:christy.chen@utoronto.ca) for any issues regarding the computer tutorials and excel test.

## Help Sessions/Tutorials

The TA will hold tutorials on some Fridays (see Course Outline below) and some other times (to be posted in Blackboard). Details on the tutorials will be posted as announcements 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
2011	09-14 (Wed)	1	An Introduction to Statistics
	09-21 (Wed)	2.1–2.3	Data
		3.1–3.3	Surveys and Sampling
		4.1–4.4	Describing categorical data
	09-23 (Fri)	5.1–5.9	Describing quantitative data
	09-28 (Wed)	5.1–5.9	Describing quantitative data (continued)
	09-30 (Fri)	Tutorial	
	10-05 (Wed)	6.1–6.9	Randomness and Probability
	10-07 (Fri)	Tutorial	
	10-12 (Wed)	6.1–6.9	Randomness and Probability (continued)
	10-14 (Fri)	Tutorial	
	10-19 (Wed)	<b>Test 1 (10:00 – 12:00 in EX310 and EX320)</b>	
	10-21 (Fri)	7.1–7.5	Scatterplots, association, and correlation
	10-26 (Wed)	8.1–8.7	Introduction to linear regression
	10-28 (Fri)	8.1–8.7	Introduction to linear regression (continued)
	11-02 (Wed)	9.1–9.6	Random variables and probability distributions
	11-04 (Fri)	Tutorial	
	11-09 (Wed)	9.8–9.10	Random variables and probability distributions
	11-11 (Fri)	9.8–9.10	Random variables and probability distributions
	11-16 (Wed)	10.1–10.8	Sampling distributions
	11-18 (Fri)	Tutorial	
	11-23 (Wed)	11.5–11.6	Confidence intervals for proportions
	11-25 (Fri)	11.5–11.6	Confidence intervals for proportions
	11-30 (Wed)	<b>Test 2 (10:00 – 12:00 in UC266 and UC273)</b>	
	12-02 (Fri)	Tutorial	

Year	Date	Chapter	Contents
2012	01-11 (Wed)	12.1–12.9	Testing Hypotheses about Proportions
	01-13 (Fri)	12.1–12.9	Testing Hypotheses about Proportions
	01-18 (Wed)	12.1–12.9	Testing Hypotheses about Proportions
	01-20 (Fri)		Tutorial
	01-25 (Wed)	13.1–13.7	Confidence Intervals and Hypothesis Tests
	01-27 (Fri)	13.1–13.7	for Means
	02-01 (Wed)	14.1–14.5	Comparing two means
	02-03 (Fri)		Tutorial
	<b>02-08 (Wed)</b>	<b>Test 3 (10:00 – 12:00 in EX200)</b>	
	02-10 (Fri)	16.6	Comparing two populations
	02-15 (Wed)	18.1–18.7	Inference for Regression
	02-17 (Fri)		Tutorial
	02-22 (Wed)	Study break, no class	
	02-24 (Fri)	Study break, no class	
	02-29 (Wed)	18.1–18.7	Inference for Regression
	03-02 (Fri)	18.1–18.7	Inference for Regression
	03-07 (Wed)	20.1–20.6	Multiple Regression
	03-09 (Fri)		Tutorial
	03-14 (Wed)	20.1–20.6	Multiple Regression
	03-16 (Fri)		Tutorial
	<b>03-21 (Wed)</b>	<b>Test 4 (10:00 – 12:00 in EX100)</b>	
	03-23 (Fri)	20.1–20.6	Multiple Regression
	03-28 (Wed)	21.1–21.6	Building Multiple Regression Models
	03-30 (Fri)		Tutorial
	04-04 (Wed)	21.1–21.6	Building Multiple Regression Models
April 11 - April 30 <i>Final Exam (3 hours)</i>			

### 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

- To be updated