



# ECON2740

## Winter 2015

### Credit weight: 0.5

## General Course Information

**Instructor:** Professor Yiguo Sun  
*Email* [yisun@uoguelph.ca](mailto:yisun@uoguelph.ca)  
*Office Location* 709 MacKinnon  
*Office Hours* 9:30am-5:00pm on Mondays, otherwise email communications are preferred  
*Department/School* Economics and Finance

**TA's** TBA

*Email* ...  
*Office Location* ...  
*Office Hours* ...

**Class Schedule:** Tue & Thursday  
 1:00pm-2:20pm, JTP, Room 214

**Pre-requisites:** The prerequisite for this course is a 1000-level university mathematics course. This is required to ensure that you have recent mathematical experience.

## Course Description

The goal of this course is to provide students basic statistic knowledge and lays a solid foundation for ECON\*3740 (Introduction to Econometrics).

## Indicative Content

### Topics to be covered:

- (1) data presentation and interpretation
- (2) descriptive statistics
- (3) theory of probability
- (4) random variables
- (5) basic sampling distributions
- (6) basic statistical inference

## Course Assessment

			<b>Associated Learning Outcomes</b>	<b>Due Date/ location</b>
<b>Weekly Exercises:</b>	0%	<i>Taught by TA</i>	<i>Statistic theory and Computer skills</i>	<i>At labs</i>
			<i>Statistic theory</i>	<i>15-minutes In class quizzes</i>
<b>Quizzes:</b>	21%	<i>Seven highest grades out of nine and each is worth 3%</i>		
<b>Midterm exams:</b>	30%	<i>Two exams</i>	<i>Statistic theory</i>	<i>Feb. 5 and March 12/ In class</i>
<b>Final exam:</b>	49%	<i>Final Exam</i>	<i>Statistic theory</i>	<i>11:30AM - 01:30PM (2015/04/09)</i>
<b>Total</b>	<b>100%</b>			

## Teaching and Learning Practices (as appropriate)

<b>Lectures</b>	I will provide two lectures per week.
<b>Labs</b>	<i>Lab 1 – Wednesday 4:30-5:20 in MCKN 135</i> <i>Lab 2 – Friday 9:30-10:20 and 2:30-3:20 in MCKN 315</i>
<b>Seminars</b>	I will host a one-day office hour on Mondays and accept appointments and email communications on other weekdays.

## Course Resources

### Required Texts:

Bowerman, O'Connell, Schermer, and Adcock. *Business Statistics in Practice, 3<sup>rd</sup> Canadian edition*, McGraw-Hill Ryerson. (We will cover Chapters 1-10.)

**Other Resources:** I will post my lecture notes to the course link.

## Course Policies

### Grading Policies

- As the **seven** best quiz scores are used to calculate your final grade of this course, make-up quizzes will **NOT** be given, and missed quizzes are automatically recorded as zeros. Students are expected to show up in class on time.
- Unfortunately, you cannot take this course if you cannot write **at least one** of the midterms at the scheduled dates and times.
- I encourage you to take the midterm exam on time. If you miss the midterm exam without letting me know before the exam is taken, I will automatically shift your midterm weight to your final weight. The makeup exam may be granted with my discretion.
- Students who miss **one of the midterm exams** due to **documented** compassionate or medical reasons may be permitted to write the make-up exam. The better midterm exam is worth 20% and the worse one is worth 10% in the final reported grades.
- For midterm and final exams, you are required to **show steps and give explanations in answers**, and to give the algebraic formula used, wherever relevant, before applying it.
- Earning high grades in Statistics require more on students' understanding of than memorizing materials covered. It therefore demands students working on as many exercise questions as possible.

### Course Policy regarding use of electronic devices and recording of lectures

*Electronic recording of classes is expressly forbidden without consent of the instructor. When recordings are permitted they are solely for the use of the authorized student and may not be reproduced, or transmitted to others, without the express written consent of the instructor.*

## University Policies

### Academic Consideration

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor in writing, with your name, id#, and e-mail contact. See the academic calendar for information on regulations and procedures for

Academic Consideration: [Thttp://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml](http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml)

### Academic Misconduct

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community, faculty, staff, and students to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring.

University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need to remain aware that instructors have access to and the right to use electronic and other means of detection. Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor.

The Academic Misconduct Policy is detailed in the Undergraduate Calendar:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08...>

## Accessibility

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact the Centre for Students with Disabilities as soon as possible.

For more information, contact CSD at 519-824-4120 ext. 56208 or email [csd@uoguelph.ca](mailto:csd@uoguelph.ca) or see the website: <http://www.csd.uoguelph.ca/csd/>

## Course Evaluation Information

Please refer to [Course and Instructor Evaluation Website](#)

## Drop date

The last date to drop one-semester courses, without academic penalty, is **March 5, 2015**. For regulations and procedures for Dropping Courses, see the Academic Calendar:

<http://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08>

## Course Learning Outcomes

Upon successfully completing this course, you will be able to:

- use Excell to work on basic statistic analysis;
- apply the basic statistic knowledge to economic data.

## Knowledge and Understanding:

- 1) **Mathematical Methodology**—basic mathematical skills are required.
- 2) **Statistical and Econometric Methodology** – this course introduces basic statistic tools to analyze economic data.

## Discipline/Professional and Transferable Skills:

4) *Learn basic computation skills and data analysis skill;*

## Attitudes and Values:

6) *The four econometrics courses such as Econ2740, 3740, 4640 and 4840 together offer necessary classical econometrics methods for students to handle types of data commonly observed in real life. Students who are able to fully understand these course materials are equipped with sufficient data analysis skills that are highly appreciated in many careers.*