

York University
Faculty of Liberal Arts & Professional Studies
Department of Economics

AP/ECON 2500 3.0 A
Introductory Statistics for Economists I
S1 2020 Course Outline

Course Instructor Contact:

Instructor: David K. Lee, Ph. D.

Office and Phone: N/A

Email: dklee@yorku.ca

Virtual Course Consultation Hours: Fridays/Saturdays 10:00-11:00 (Zoom connection information will be available through Moodle)

Course Web Site: Moodle

Calendar Course Description / Prerequisite / Co-Requisite:

An introduction to statistical techniques. Topics covered include descriptive statistics and frequency distributions, measures of location and dispersion, random variables, sampling distributions, probability theory and mathematical expectations, the normal distribution, correlation, and the design and interpretation of hypothesis tests. Prerequisites: Grade 12U Advanced Functions or equivalent. Course credit exclusions: AP/ADMS 2320 3.00, AP/POLS 3300 6.00, AP/SOCI 3030 6.00, ES/ENVS 2009 6.00, GL/MATH/MODR 1610 3.00, GL/POLS/SOCI 2610 3.00, GL/PSYC 2530 3.00, HH/KINE 2050 3.00, HH/PSYC 2020 6.00, HH/PSYC 2021 3.00, SC/BIOL 2060 3.00, SC/MATH 2500 3.00, SC/MATH 2560 3.00, SC/MATH 2565 3.00. Note 1: Acceptable course substitutes are available in the Calendar. Note 2: students who have taken SC/MATH 1131 3.00 may not take AP/ECON 2500 3.00.

Lecture Time and Location

Lecture:

- Online delivery format.
- Course Materials will be delivered on Moodle every M/W 3:00pm-6:00pm
- This is an online course. The entire course, including the submission of assignments, participation/discussion and test-taking, will take place on the course's Moodle.

Teaching Assistants: N/A

Organization of the Course

This course is an online lecture delivery format. Lectures will be delivered through lecture notes and audio files and/or virtual lectures with Zoom. Office hours will be held in a virtual space with Zoom. All students must have a Zoom account.

Technical requirements for taking the course:

A computer with microphone and webcam, and a high speed and reliable internet connection, and/or a smart device with these features. These technical features are required for students in order to fully participate in the course. There are some live information sessions including Q & A that will be conducted through Zoom video conferencing, where students are expected to participate. Also, you may be required to appear on video for exams/tests proctoring purposes. If you are not comfortable with these requirements, you should not enroll in this section of the course.

Here are some useful links for student computing information, resources and help:

[Student Guide to Moodle](#)

[Zoom@YorkU Best Practices](#)

[Zoom@YorkU User Reference Guide](#)

[Computing for Students Website](#)

[Student Guide to eLearning at York University](#)

To determine Internet connection and speed, there are online tests, such as [Speedtest](#), that can be run.]

Required Course Text / Readings

Moore, David S., McCabe, George P and Bruce Craig, *Introduction to the Practice of Statistics*, 9th Edition, W.H. Freeman and Company, 2017.

Evaluation *

The grade for this course is composed of the mark received for each of the following components:

Type of Assessment	Percent/Weight	Date
Midterm Test I (Online, 120 minutes)	Higher mark 35%	May 27
Midterm Test II (Online, 120 minutes)	Lower mark 15%	June 15
Final Exam (Online, 180 minutes)	50%	June 24 - 26
TOTAL	100%	

The following conversions will be used in converting percentage grades to letter grades:

90-100 (A+), 80-89 (A), 75-79 (B+), 70-74 (B), 65-69 (C+), 60-64 (C), 55-59 (D+), 50-54 (D), 40-49 (E), 0-39 (F).

Problem sets will be posted in the course web site throughout the semester. Some of them may be solved in class. These problems will not be graded, however, I encourage you to work through them. It will help you understanding the course material and consequently, increase the probability that you will do well in the course. Practice may not always make perfect, but it's a good start.

Deferred Exam Policy:

There are no makeups for missed midterm exams. Anyone missing any one of the two midterm exams will automatically have their final exam reweighted to be worth 75% and the final grade will be calculated based on a 25% midterm and 75% final. If a student missed both midterms, the final grade will be calculated based on 0 % from midterm and 75% from the final.

NO multiple deferrals allowed: Students can defer only one of the three exams. If students defer more than one exams, the successive deferred exams will be marked zero.

Deferring the Final Exam: The deferred final exam policy will be applied only for those who completed all of the course requirements but the final exam. Students who do not complete one of the course requirements during the semester **MUST** attend the regular final exam session to complete the course. If a student were to miss a course requirement during the semester and has to defer the final exam as well then the student may submit a formal petition to the Faculty.

Topics to be covered:

Session	Topic	Reading and Activity
01 May 11	Looking at Data - Distributions	Ch 1
02 May 13	Looking at Data - Relationships	Ch 2
03 May 20 (May 18: Victory Day)	Producing Data	Ch 3
04 May 25		
05 May 27	Midterm Exam I: (Weeks 1-4, Chapters 1-3, Covered) (Drop Deadline: June 8)	
06 June 1	Probability	Ch 4
07 June 3	Sampling Distributions	Ch 5
08 June 8	Introduction to Inference	Ch 6
09 June 10	Inference for Distributions	Ch 7
10 June 15	Midterm Exam II: (Weeks 6- 9, Chapters 4-7, Covered)	
11 June 17	Inferences for Proportions	Ch 8,
12 June 22	Analysis of Two-Way Tables Review	Ch 9
Final Exam: June 24 - 26		

New Information and Changes:

The schedule is subject to change –sometimes there are unexpected absences or we bog down on an issue. Check your class notes, or contact me for up-dated work schedules.

It may be very possible to make some adjustments of lectures and/or exams schedules. Students may also have handouts for the topics discussed in the class. It is students' responsibility to be aware of any policy (or schedule change), or to collect handouts from classes. If you miss classes, contact the instructor before or immediate after, and check if there is any policy change or handout distributed.

There is no excuse for not knowing course policies or schedule changes, or for not having handouts. Important Course Information for Students:

All students are expected to familiarize themselves with the following information, available on the Senate Committee on Curriculum & Academic Standards webpage;

<http://www.yorku.ca/secretariat/policies/index-policies.html/>

- York's Academic Honesty Policy and Procedures/Academic Integrity Website

Academic Honesty and Integrity: Conduct that violates the ethical or legal standards of the University community or of one's program or specialization is subject to severe penalties. Students are responsible for understanding the nature and consequences of these offences, as contained in the Senate Policy on Academic Honesty, found on the York University Senate WEB page: <http://www.yorku.ca/secretariat/policies/document.php?document=69>

- Ethics Review Process for research involving human participants
<http://www.yorku.ca/secretariat/policies/document.php?document=94>
- Course requirement accommodation for students with disabilities, including physical, medical, systemic, learning and psychiatric disabilities
<http://www.yorku.ca/secretariat/policies/document.php?document=68>
- Student Conduct Standards
<http://www.yorku.ca/oscr/standards.html>
- Religious Observance Accommodation
<https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs>