

Brief Course Outline

Course Title: **Statistics**

Course Number and Section:

MOS

2242B 551

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Disclaimer: Information in the brief course outline is subject to change. The syllabus posted on OWL is the official and authoritative source of information for the course.

Course Description:

The ability to extract useful information from data is one of the most important and marketable skills a student of business can acquire. The purpose of this course is to introduce quantitative decision-making skills, with an emphasis on statistical analysis techniques used in management. Topics include descriptive statistics, probability, confidence intervals, hypothesis testing, analysis of variance, correlation and regression analysis, and survey techniques.

Learning Outcomes:

Extrapolate information from data sets and represent it in an informative manner

Calculate descriptive statistics measures as used in business decisions

Quantify the uncertainty associated with a statistical measure and use it to make informed decisions

Set up hypothesis tests to make inferences on the most common statistical parameters

Forecast growth trends and understand the relationships between the different variables of a data set

Textbooks and Course Materials:

Douglas A. Lind, William G. Marchal, Samuel A. Wathen, Carol Ann Waite, Kevin Murphy, Basic Statistics for Business and Economics - 7th Canadian Edition.

Several purchase options, according to the student's preference:

eBook, 180-days access: \$59 CAD (ISBN13: 9781264970315)

eBook, lifetime access: \$99 CAD (ISBN13: 9781264966486)

Print text: \$129.95 CAD (ISBN13: 9781260326963)

The textbook is not mandatory: it features a useful collection of exercises, but the course notes cover all the course materials.

Course lecture notes available via OWL.

Methods Of Evaluation:

Assignment	Due Date mm/dd/yy	Weight - %
Quizzes	4 throughout the term	16
Weekly exercises	Throughout the term	12
Midterm	02/26/2025	32
Final exam	TBA	40

In solidarity with the Anishinaabe, Haudenosaunee, Lūnaapéewak, and Chonnonton peoples on whose traditional treaty and unceded territories this course is shared.

Tuesday, December 24, 2024