

1. **Course Title**

Statistics for Managers

2. **Course Credit**

0.25 credits

3. **Prerequisites**

None

5. **Course Description**

Techniques for using data to make informed use of statistics. Applications, interpretation, and limitations of results. Sampling, descriptive statistics, probability concepts, estimation, and testing of hypotheses and regression, using practical business situations.

6. **Course Rationale**

This course focuses on making informed use of statistics. The course will present how to apply basic statistical methods, how to communicate your analyses and think critically about statistics that are presented to you. In a data-rich world, understanding the basics of data, sampling, and analytic methods, as well as their limitations, supports better-informed decision-making.

7. **Course Objectives**

After successfully completing this course students will be able to:

- CO 1 Demonstrate the underlying mechanisms in basic statistics
- CO 2 Determine how to communicate and display statistical information
- CO 3 Evaluate fundamental data analysis results
- CO 4 Recognize the assumptions and limitations underlying basic statistical operations
- CO 5 Interpret the relevance of statistical findings

Module	Topic	Reading	Activity	Deliverable
1	What's the story?	Chapter 1	Practice Problems 1	<ul style="list-style-type: none"> • Quiz 1 • Discussion 1
2	Data	Chapter 2	Practice Problems 2	<ul style="list-style-type: none"> • Quiz 2 • Discussion 2
3	Sources and sampling	Chapter 3	Practice Problems 3	<ul style="list-style-type: none"> • Quiz 3 • Discussion 3
4	Summarizing and communicating (categorical)	Chapter 4	Practice Problems 4	<ul style="list-style-type: none"> • Quiz 4 • Discussion 4
5	Summarizing and communicating (quantitative)	Chapter 5	Practice Problems 5	<ul style="list-style-type: none"> • Quiz 5 • Discussion 5
6	Relationships	Chapter 6	Practice Problems 6	<ul style="list-style-type: none"> • Quiz 6 • Discussion 6
7	"Predictions"	Chapter 7	Practice Problems 7	<ul style="list-style-type: none"> • Quiz 7 • Discussion 7

sample

10. Materials

Textbook

Sharpe, De Veaux, Velleman & Wright (2021), *Business Statistics*, 4th Canadian Edition, Pearson Education, United States: ISBN-13: 9780136964032

Note: You will only need the eText version of this text:

<https://www.pearson.com/store/p/business-statistics-fourth-canadian-edition/P100002962598/9780136964032>

11. Grading Scheme

Activity Type	Percent of Total Grade
Intro Quiz* (Module 1)	0%
6 Quizzes at 10% each (Modules 2 – 7)	60%
7 Discussions at 5.7% each	40%
Total	100%

* The intro quiz is mandatory but will not be graded