Faculty of Science Course Syllabus
Department of Mathematics
Math 1115
Mathematics for Commerce
Summer (A), 2019

Instructor(s): Tom Potter   tom.potter@dal.ca   Chase 327

Lectures: M, W: 6:05 pm – 8:55 pm   Studley Kenneth C Rowe Management Building 1009

Laboratories: *None*

Tutorials: *None*

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Course Description

An introduction to matrices, linear programming, mathematics of finance, probability and differential calculus. All topics are taught with an emphasis on applications to business. This course cannot be used to partially satisfy the BSc Mathematics requirement.

Course Prerequisites

Nova Scotia Advanced Mathematics 11 or 12 or equivalent.

Course Objectives/Learning Outcomes

To understand the concepts listed in the course description, and to demonstrate and apply that understanding by solving problems.

Course Materials
Haeussler, Paul, and Wood, Introductory Mathematical Analysis for Business, Economics, and the Life and Social Sciences*, 14th edition*
- *Course information available on https://dal.brightspace.com*
- *A scientific calculator (non-graphing).*

Course Assessment
Assessment will be made up of the WeBWork assignments, two midterms, and a final exam. See below for details.

Component	Weight (% of final grade)	Date
Tests		

Two Midterms, each worth %20 (May 22 and June 10, during the first 80 minutes of class time).

Final exam 45% (Monday, June 24, 6:05pm to 8:55pm). The final exam will cover all material in the course.

*Assignments w*ill be on WeBWork. Worth 15%.

Conversion of numerical grades to Final Letter Grades follows the <u>Dalhousie Common Grade Scale</u>

A+ (90-100)	**B+** (77-79)	**C+** (65-69)	**D**	(50-54)
A (85-89)	**B** (73-76)	**C** (60-64)	**F**	(<50)
A- (80-84)	**B-** (70-72)	**C-** (55-59)		

Course Policies

Missed quizzes will not be excused without a valid reason. Make-ups will be at the instructor's discretion. Missed midterm will result in the value of the midterm being allotted to the final exam.

Collaboration on the homework assignments is permitted, but it is recommended that you try all the problems on their own, first.

You may use software to verify your homework answers, but make sure that you know how to work out the solution without software, and that you understand each of the steps. Software is not permitted on the quizzes or exams.

Any suspected cheating will be reported. During exams bags and backpacks must be placed at the front of the room.

Office Hours: 12pm—2pm, every Friday until the Final Exam, in the Learning Center of the Chase Building (main floor), or by appointment.

Course Content

The course content will be selected from Chapters 5-8 and Chapters 10-13 of the book. These topics include interest rates, annuities, and loans; matrices and solving systems, linear programming, introductory probability and counting arguments, limits, differentiation, finding extrema, and basic curve sketching using calculus.

Dates:

Monday, May 20, 2019: **Victoria Day—University Closed**

First Midterm: Wednesday, May 22, 6:05pm—7:25pm

Second Midterm: Monday, June 10, 6:05pm—7:25pm

Final Exam, **Monday, June 24, 6:05pm—8:55pm**