

Math 140.04  
Spring 2022

Instructor: Dr. Don Thompson  
RAC 121  
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<http://dt.pepperdine.edu>

Office Hours: M 12, T 13, R 12, F 13

Dr. Thompson's Course Website: <http://dt.pepperdine.edu/courses>

Pepperdine's Course Management Website <https://courses.pepperdine.edu/>

Learning Outcomes: The Calculus was conceived in the 17<sup>th</sup> century by Isaac Newton and Gottfried Wilhelm Leibniz. It is applicable in every field of science, ranging from Economics to Physics. At the completion of this course, the student will be able to do the following: Explain the meaning and application of the derivative; Explain the meaning and application of the integral; Solve classic problems in differential and integral Calculus with respect to polynomial, rational, exponential, and logarithmic functions; Solve first order linear differential equations; Apply the methods of the Calculus to classic problems in Business & Economics. These course learning outcomes align with the following learning outcome in the business and international business programs: Evaluate accounting and business problems from the perspective of multiple business disciplines and then formulate, communicate, and defend recommendations to decision-makers based on those evaluations.

University Mission:

This course supports the mission of the university because the study of mathematics in a business program is one of our high standards of academic excellence.

Cheating:

May result in an automatic failure in the class. It is cheating to copy the work of another student during an exam. See: <https://seaver.pepperdine.edu/academics/academic-support/integrity/>

Student Accessibility:

Any student with a documented disability (physical, learning, or psychological) needing academic accommodation should contact the Office of Student Accessibility as early in the semester as possible. All discussions will remain confidential. See:

<https://www.pepperdine.edu/student-accessibility/>

Textbook: Brief Applied Calculus. James Stewart & Daniel Clegg.  
Brooks/Cole Publishing, 2011. ISBN 0534423825.

Examination Schedule:

Test 1 – Feb 1; Test 2 – Feb 25; Test 3 – Mar 29

Test 4 (Final Exam)

Wednesday, Apr 27, 13:30-16:00

Homework:

Check my website for all homework assignments. Homework will be collected each Monday in class via exam notebooks. Assignments will be specified in class the week prior.

Grading:

Tests – 90% (20%, 20%, 20%, 30%); Homework – 10%

Repetition:

The best way to learn anything, especially mathematics, is by repetition and preparation. Accordingly, homework will be assigned weekly, graded and returned.

Attendance and Participation:

It is your job to come to class, read the book, work problems, and ask questions when you don't understand material.