

MATH 176 Introductory Calculus for Business and Social Sciences

Wintermester 2019

Number of Credits

3

Instructor

Diana Powers

Catalog Description

Fundamental ideas of analytic geometry and calculus, plane coordinates, graphs, functions, limits, derivatives, integrals, the fundamental theorem of calculus, rates, extrema and applications thereof.

Required Textbooks/Materials

The following texts are required material in this course:

Textbook: Applied Calculus 10th Edition by Tan (hardcopy not required). Access to WebAssign (homework website) is required.

Calculator: Scientific calculator and knowledge of operating calculator.

Student Learning Outcomes

Upon successfully completing this course, students will be able to

- use and apply the concepts and terminology of rate of change through applications and examples;
- compute the derivative of a function using rules of differentiation; and
- compute basic integrals using the Fundamental Theorem of Calculus.

First Week of Materials/Assignments

The following schedule is subject to change:

January 2: Sections 1.4, 2.2

January 3: Sections 2.3, 2.6, 3.1

January 4: Sections 3.2, 3.4

January 7: Exam 1, Sections 3.4, 3.5

Course Details

Homework will be assigned each class and will be due by midnight of the next class meeting. No late homework will be accepted. There will also be daily quizzes given at the beginning of each class covering material taught the day before, thus covering the homework due by midnight that night.

Grade Breakdown

The point distribution for the course is:

Assignment	Points
Homework	20
Quizzes	15
Exams	40
Final exam	25
<i>Total</i>	<i>100</i>

The percentage distribution for the course is:

Letter	Percentage
A	92–100
A-	90–91.9
B+	88–89.9
B	82–87.9
B-	80–81.9
C+	78–79.9
C	70–77.9
D	60–69.9
F	below 60