

Instructor: Fred Kuczmariski

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Hours: 10:30-11:20 M-F, or by appointment.

Texts: *Calculus: Early Transcendentals, Seventh Edition*, James Stewart

Prerequisites: Math 142 (2.0 or above) or equivalent

Topics: Limits and Derivatives (Chapter 2)

Differentiation Rules (Chapter 3)

Applications of Derivatives (Chapter 4)

Curves Defined Parametrically and Their Derivatives (Sections 10.1 and 10.2)

Course Description: Math 151 is an introduction to differential calculus intended primarily for engineering and science majors. The main emphasis of the course is on understanding and applying the derivative to a variety of scientific problems.

Objectives: Understand and apply the derivative in a wide variety of settings. Develop problem-solving skills. Learn to write precise mathematics in complete sentences in a clear and organized manner.

Quizzes: A surprise quiz may occur at any time. It will usually cover the previous day's classwork or the homework. Prepare for these quizzes by actively studying your notes after every class and doing the homework on a daily basis.

Tests: There will be three tests - October 12, November 2, and November 23. These dates are subject to change. Makeups will be given only in the event of illness or emergency, provided you contact the instructor **BEFORE** the exam. No notes will be permitted. The second test will cover material since the start of the quarter.

Final: The final is on Thursday, December 8, 7:30am - 9:20am for Section 1 and Tuesday, December 6, 9:30am-11:20am for Section 2. It will be comprehensive. No notes will be permitted. This date is set by the college and cannot be changed for any reason. Please plan to attend.

Homework: Homework is due at 3:00pm on Tuesdays. Place the homework in the appropriate box by the instructor's office door, **not** in the instructor's mailbox. You may turn in **one** homework up to two days late, otherwise late homework will not be accepted for any reason.

Each homework must be stapled and include a cover sheet, containing the following information:

1. Your name, section, and the homework number.
2. A list of the problems you did not complete or solved incorrectly.
3. A brief summary of what gave you trouble, if anything.
4. The percentage of the problems assigned that you did complete correctly.
5. Your grade on the homework, as calculated below.

Each homework is worth 5 points. Determine your grade G from the percentage, P of problems you solve correctly, by the following formula:

$$G = [(P + 10)/20],$$

where $[x]$ denotes the greatest integer less than or equal to x . Your nine highest homework scores (out of ten) will count toward your grade. You will not receive credit without a cover sheet.

Writing Requirements for Homework:

Show your work. You will not receive credit if you do not show work.

Use standard-size paper without tears or fringes.

Staple any work that is more than one page.

Write neatly in pencil. Do not cross out errors. If you find yourself erasing extensively, stop and start again on a fresh page.

Use a straight edge for coordinate axes. Label axes with variables names and units.

P/NC Option Grading: Those students choosing this option must do so by October 25, by submitting a Pass-Option Card (signed by the instructor) to the registration desk, otherwise a decimal grade will appear on your transcript. **No exceptions will be made to this policy.**

Withdrawals: The last day to withdraw from the class is November 2nd.

General Comments: To master the material, it is essential that you set aside time **each day** to think about the homework problems and the concepts introduced in class. Get help right away if you are confused. You should plan on spending an average of twelve to fifteen hours per week outside of class.

Cheating and Plagiarism: Any student caught cheating on a quiz or a test will get a 0.0 for the course. While it is intended that you consult with one another on the homework, it is not permissible to copy the work of another student. Should this occur, both students will receive a 0 for that homework.

Emergencies: If school is closed for any reason, we will start where we left off when class resumes. If we were scheduled to have an exam the day school is canceled, the exam will take place the first day back at school.

Electronic Devices All electronic communication devices such as cell phones and pagers must be turned off during class.

Students With Disabilities Students with disabilities have the right to request and receive reasonable accommodations to ensure access to programs and facilities at Shoreline Community College. To receive reasonable accommodations, students are responsible for requesting accommodations and documenting the nature and extent of their disability in a timely manner. Students should direct their requests to the Services for Students with Disabilities Office.

Grading: The point distribution shown below is approximate and is subject to change.

Quizzes	20 @ 3 points each for 60 points
Homework	9 @ 5 points each for 45 points
Tests	3 @ 40 points each for 120 points
Final	1 @ 80 points

The grading scale is linear and will be approximately as follows:

95%: 4.0 80%: 3.0 65%: 2.0