

Math 180 Calculus I Syllabus Spring 2012

Instructor: Andrew Koines

Time and Place:

CRN 31523 MTWR 11:10am - 12:25pm Lewis Center 212 *ip* CRN 31530

MTWR 9:35am - 10:50am Lewis Center 212 *ip* Office: Lewis 204

Office Hours: MTWR 9:00-9:30am, Friday 9:00-11:00am, 01/30-05/27

Text Book: *Calculus Early Transcendentals 7th Edition* by James Stewart

Webpage: andrewmath.com

Classroom Behavior

Please come to class on time.

Please silence your cell phone.

Please try to refrain from coming and going from the room during the class time.

Please do not talk while the instructor is explaining a math concept.

Please do not make remarks that might be considered threatening or discriminatory.

Attendance If a student misses class during the first two weeks of the semester, then the student shall be dropped from the class.

Contacting the Professor Students should speak to the professor in person when communicating with the professor. If a student uses email to communicate with the professor, then the student should use his or her OCC email account.

Tests and Grading: Below is a tentative summary of the possible points in the class. It is possible that fewer tests will be given. The final exam is given on the Thursday of the last week of the semester. It will not be given at any other day or time.

	<u>points</u>
Quizzes	50
Chapter Tests	400
Final Exam	200
Total Points	620

The final grade in the class is determined by the following scale.

- A 90-100%
- B 80-89%
- C 70-79%
- D 60-69%
- F 0-59%

Tests: Students should plan to take tests and quizzes on the days on which they are scheduled. It is strongly recommended that students do not miss test or quiz dates. If a student misses a test or quiz and has a valid excuse as determined by the instructor, then a make up test or will be given during the last week of the semester. The make up test or quiz will be more difficult than the original test.

Calculators: Calculators will not be allowed for tests or quizzes.

Incompletes: There will be no incomplete grades given. If a student misses the final exam, then a grade of F will be given.

Student Success Center The Student Success Center offers many free services for students. Tutors can help you with course concepts and study strategies for many subjects, including math. The Center offers both appointment and walk in assistance. It is located in Room 103 of the Classroom and Labs Building (under the blue clock tower.) For hours and further information stop by the center or visit their website at www.orangecoastcollege.edu/student_services/student_success_center.

Note on the Textbook: Students should also be able to use older editions of the textbook. There are homework assignments posted on the course webpage for the fifth and sixth edition. There are also typed course notes at andrewmath.com which have exercises at the end of each section. It is possible for a student to not buy the textbook and just use the online typed notes. The textbook, however, will be used for Calculus 2 as well as for Calculus 1.

Academic Dishonesty: If you are caught cheating on a test, you will get a zero on that test. Moreover, this test score cannot be made up. A report will be submitted to the Dean of Students.

An electronic copy of your completed exams will be made for my records.

Gifts: All gifts will be returned.

Topics Covered:

- Chapter 2 Limits and Derivatives
- Chapter 3 Differentiation Rules
- Chapter 4 Applications of Differentiation
- Chapter 5 Integrals
- Chapter 6 Applications of Integration

Student Learning Outcomes: Students will be able to:

1. Calculate limits when they exist, and if the limit does not exist, explain why it does not exist.
2. Determine where a function is continuous, and explain why it is or is not continuous.
3. Determine where a function is differentiable, and explain why it is or is not differentiable.
4. Compute derivatives of polynomial, rational, algebraic, exponential, logarithmic, and trigonometric functions using the product rule, quotient rule, chain rule, and implicit differentiation.
5. Find the equation of the tangent line to a curve given at a point if it exists. If it does not exist, explain why it does not exist.
6. Compute the definite and indefinite integrals of polynomial, rational, algebraic, exponential, logarithmic, and trigonometric functions using the Fundamental Theorem of Calculus and the Substitution Method.
7. Find the area under the curve of a continuous function on a closed interval.