

MAC 2311- CALCULUS I (U03 & U04) - FALL 2017

Instructor: Dr. Carmen Shershin

Office: DM 437A Phone: 305-348-3047 E-mail: shershcb@fiu.edu

Office Hours: T TH: 11:45-1:45 p.m. and by appointment.

Course Description and Objectives

This course is an introduction to differential calculus. It covers limits, continuity, the derivative of functions, applications of the derivative and an introduction to antiderivatives. The main objective of the course is for students to gain a good understanding of the aforementioned concepts and to be well prepared to continue into the study of integral calculus.

Prerequisite: "C" or better in Trigonometry and Precalculus or adequate placement score.

Textbook: Calculus, Early Transcendentals, 11th edition by Anton, Bivens, and Davis. Please refer to the WileyPlus handout for best purchase deal and for course help and recommended work.

The specific chapters and sections to be covered are:

Ch.1: 1.1-1.3, 1.5-1.8 Limits and Continuity. (1.4 at the end of course if time allows it)

Ch.2: 2.1-2.6 The Derivative

Ch.3: 3.1-3.6 Topics in Differentiation.

Ch.4: 4.1-4.6, 4.8 The Derivative in Graphing and Applications.

Ch 5: 5.2 and 5.3 The Indefinite Integral and Integration by Substitution

Ch 10: 10.1 Tangent Lines for Parametric Curves (to be covered after 3.1)

Grading Policy and Expectations

- The grade for the course is based on the following work:
3 Tests.....50% (lowest test score 10% and the other two 20% each)
2 Quizzes.....25% (lowest quiz score 10% and the other 15%)
Comprehensive Final Exam...25%
- There will be no makeups for tests or quizzes. A verifiable legitimate excuse for missing one of the three tests will be handled at the instructor's discretion. If you miss 2 tests, it is recommended that you drop the course.
- Early alerts will be used as needed before the Drop deadline.
- Help is available: Please visit: <http://mathstat.fiu.edu/useful-information/math-resources/>
- The grading scale is: 93-100 A; 90-92 A-; 87-89 B+; 83-86 B; 80-82 B-; 77-79 C+; 70-76 C; 60-69 D; below 60 F.
- Regular attendance is expected and encouraged. Up to 3 bonus points will be added to a test score for perfect attendance and punctuality during the days covering the material being tested. If you wish to take advantage of the bonus points, you must be in your assigned seat at the beginning of class and remain attentive till the end of class. Cell phones should be off and out of sight during class.
- You are expected to comply with the University Standards of Conduct, in particular concerning academic honesty and respect for self and others.
- You are required to submit your student ID on test days.