Instructor: Dr. Carmen Shershin  
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Office Hours: T: 2:00-3:00 p.m.  Th: 2:00-4:00 p.m.  Other times by appointment only.

Course Description and Objectives.
This is the first course of the Calculus sequence. The concept of derivative and its underlying notion of limit will be introduced as well as techniques of differentiation and integration. Applications such as related rates, analysis of graphs of functions, and optimization, are an important part of the course.  
Upon completion of the course, students should demonstrate the following: strong computational skills to find limits, derivatives, and basic anti-derivatives; a good understanding of the concepts used to develop limits, continuity and differentiation; reasoning skills using calculus to solve applied problems.

Prerequisites.
A grade of C or better in Precalculus Algebra and Trigonometry (MAC 1147), or equivalently a C or better in both Precalculus Algebra (MAC 1140) and Trigonometry (MAC 1114). For students with no prior college coursework, an appropriate score on the ALEKS placement assessment can be used. A diagnostic test to serve as a good refresher of precalculus skills will be given during the second week of the term. The following link contains precalculus problems for students to review: https://mathstat.fiu.edu/useful-information/math-resources/calculus-ii/precalculus-trig-review.pdf

Textbook.
Thomas’ Calculus, Early Transcendentals – 14th edition by Hass/Heil/Weir; Publisher: Pearson.  
This text is packaged with MyLabsPlus access code and the ISBN for the value pack is:  
0135430909 or 9780135430903  
The access code for the MyLabsPlus as a standalone item (without textbook) can be purchased at the FIU bookstore or while attempting to use the program; the ISBN is  
0135420687 or 9780135420683  
The specific chapters and sections to be covered are:  
Ch. 2 Limits and Continuity. Sections 1-6 (2.3 is optional)  
Ch. 3 Derivatives. Sections 1-11.  
Ch. 4 Applications of Derivatives. Sections 1-8 (4.7 is optional)  
Parametric Curves: Sections 11.1 and part of 11.2 dealing with differentiation.  
Indefinite Integrals and the Substitution Method: Section 5.5
Grading Policy and Expectations.
The grade for the course will be based on the following work:
- 3 Tests..................50% (lowest test score 10% and the other tests 20% each)
- 2 Quizzes.............15% (lowest 5%, and the other 10%)
- MyLabsPlus........15% (online homework; departmental requirement)
- Final Exam........20% (Departmental Comprehensive Exam)

Grading scale for the course:
93-100 A; 90-92 A-; 87-89 B+; 83-86 B; 80-82 B-; 75-79 C+; 65-74 C; 50-64 D; below 50 F.
- There will be no makeups for tests or quizzes. A verifiable excuse for missing a test or quiz will be handled at the instructor’s discretion.
- There will be no extensions for the online homeworks. Please don’t wait till the last minute to start the assignments.
- 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 and participating till the end of class.
- All students are expected to comply with the University Standards of Conduct for academic honesty and respect for self and others. Please see http://integrity.fiu.edu

Important Dates.
Tuesday, September 11.....Test 1
Tuesday, October 9.........Test 2
Monday, October 29.........Last Day to drop with DR grade.
Tuesday, November 6.........Test 3
Thursday, November 15......Quiz 1
Tuesday, November 27.......Quiz 2
TBA............................Final Exam