

FLORIDA INTERNATIONAL UNIVERSITY
UNIVERSITY PARK CAMPUS
CALCULUS ONE (MAC 2311) -SECTION U06C
MR. ROBERT STORFER-INSTRUCTOR
WEBSITE: www.fiu.edu/~storferr

COURSE SYLLABUS

Basic Information:

Class Location: PC 432 Class Days and Times: M W@11:00 AM-12:40 PM

Instructor contact information: I can be reached directly in my BBC office at 305-919-5921 or by email at storferr@fiu.edu. If my voice mail picks up, please feel free to leave a message and/or call one of secretaries at 305-348-2743 or 305-919-5859. My office at UP is located in DM 436B and I will hold office hours on Mondays and Wednesdays.

Course Pre-requisites: Successful completion of College Algebra (MAC 1105) and Trigonometry (MAC 1114) or equivalent courses at other institutions. The single course Pre-Calculus (MAC 2147) is a substitute for the algebra/trigonometry sequence and like with that sequence, an equivalent course at other institutions is sufficient for pre-requisite requirements. Successful completion means the earning of a grade of "C" or better. Any student who registered for the course without the proper prerequisites will be dropped with refund. If you have any concerns about pre-requisites, please speak with me as soon as you can.

Course Textbook: Calculus, Early Transcendentals, 8th Edition, By Anton, Bivens, and Davis. This book is available in hardcover only. For those who are not planning on taking Calculus III, then there is a less expensive, softcover version called Calculus, Early Transcendentals, Single Variable, and this version will suffice for both calculus I and II. There is an optional student solutions manual available in the bookstore as well. It contains solutions to the odd-numbered exercises only.

Course Description and objectives:

MAC 2311 is designed to provide students with a strong foundation in the elements of differential calculus along with a solid introduction to integral calculus. Successful completion of the course, which is a grade of "C:" (or better), will be indicative of sufficient preparation for Calculus II (MAC 2312). Among the topics to be covered in Calculus One are limits, continuity, differentiation of algebraic and transcendental functions, The Mean-Value Theorem, Relative and Absolute Extrema, Applications such as Related Rates and Optimization, Graphing using Derivatives, the concept of Anti-Derivative (also known as the Indefinite Integral), and Parametric Equations. The sections to be covered in the course are all those of chapters two, three, and four, 5.1-5.5, 5.7, 6.2, 6.3, 1.8, and 11.2. This order is subject to change and any such changes will be announced in advance. Other than 1.8, chapter one consists of pre-calculus review but some material from that chapter may be reviewed in class on a pre need basis and some chapter one problems may be assigned for homework.

Course Policies:

Attendance: Attendance is required for this class. In order to maximize success in the course, it is necessary to be in class for the discussion of material presented in class, learn the course vocabulary and notation, and be present for class discussion as well as important announcements. You will be allowed four what are known as un-excused absences. An un-excused absence is one which is caused other than illness (please provide a doctor's note, if possible, emergencies in the immediate family (parents, grand-parents, children, siblings), transportation, or traffic violation. Please provide appropriate documentation such as the repair receipt or traffic ticket, etc. If more than four un-excused absences occur, your grade will be dropped by 5% for each successive absence. Keeping a well-detailed, organized class notebook is also an excellent idea, as it will help with the homework assignments and studying for tests.

Homework: Homework assignments from the textbook will be assigned at the end of every class. Although the homework will not be collected and will not count towards the course grade, attempting the homework assignments on a very regular basis is imperative to the learning process. In order to develop understanding and proficiency with the course material, one must do the homework exercises as mathematics is not just a spectator sport. Test questions will be similar to the homework problems. Some questions may be taken verbatim from the homework. In short, **DO THE HOMEWORK!!!!**

Calculators: Graphing or (otherwise programmable calculators) are *prohibited* on all exams. Non-graphing calculators on exams are *optional*.

Testing Policy: There will be two semester tests and a cumulative final exam. All three tests (including the final), will be equally weighted. The test dates and material will be announced no less than one week in advance. Test questions will be of the open-ended, show your work variety with occasional true -false problems. No multiple choice questions!

Make-up Test Policy: There will be no make-up exams given in this course. If you miss an exam for any reason, the final exam grade will be used in place of that missed exam grade.

Your Course Grade: Your grade will be determined by the average of your three exams. The exact grading scale is given below:

A	A-	B+	B	B-	C+	C	D+	D	D-	F
90 or higher	87 to 89	84 to 86	80 to 83	77 to 79	74 to 76	67 to 73	64 to 66	60 to 63	57 to 59	less than 57

I reserve the right to add points to a student's grade for factors such as exceptional attendance (no more than 2 absences), participation in class, good classroom etiquette, frequent use of instructor office hours, steady improvement throughout the course, and an exceptionally good final exam grade as compared to other exam grades.

Incomplete Grades: Incomplete grades are rarely given. In order to receive an incomplete, a student must have completed at least all but the last two weeks of the course and cannot take the final exam due some unforeseen circumstance beyond their control. Also, a course average of at least 67 is needed to receive an incomplete grade.

Classroom Etiquette:

In order to maximize the quality of the learning environment, certain behaviors will not be tolerated under any circumstances. These include tardiness, side conversations, sleeping, checking e-mail or text messages, using cell phones, preparing for another class, and leaving early. All of these behaviors show inconsideration for your classmates who are actually trying to learn as well as the instructor. These poor behavioral tendencies will be dealt with the use of possible disciplinary action and/or removal from the classroom. In particular, all cell phones must be turned **off**. The vibrate mode is not considered off. I-Pods and computers turned on during class will not be tolerated, either. On the other hand, asking questions about the course material **will** be tolerated and is in fact **encouraged!**

Academic Misconduct:

This includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic Misconduct is given in the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the University.

Student Office Hours: I will be available to provide help with any specific questions on the course material or other concerns you may have on Mondays and Wednesdays from 1:00-2:00 PM and 3:45-4:45 PM. Other times may be scheduled on an appointment basis. **Please** come see me if you feel the need for further clarification with any aspect of the course.

Other Sources For Help:

The FIU LEARNING CENTER offers math tutoring to all students. provides free tutoring for students. While help is occasionally available on a walk -in basis, usually students have to make an appointment to see a tutor. At University Park, the location is PC 247 and the phone number is 305-348-2180. At the Biscayne Bay campus, the location is ACI 160 and the phone number is 305-919-5927

OFFICE OF MULTICULTURAL PROGRAMS AND SERVICES: Free tutoring is available to both minorities and non-minorities. University Park students should go to GC 216 to fill out a request. North Miami campus students should go to WUC 253.

TUTORING LAB: Free tutoring is available from our graduate students. Early each semester a memo is distributed announcing the hours and site.

LIVE ONLINE HELP: Free help over the internet is offered at night and weekends. The details are at <http://www.fiu.edu/~gato/livetutor/>

Welcome to Calculus One! I look forward to an exciting and productive semester!!!