MAC 2311. Calculus One
Instructor: Shore, Office: AcI 386. Tel. and voicemail 305-919-5921
Email: shorem@fiu.edu, Web Page: www.fiu.edu/~shorem
Office hours: MW 1100-1230 and 1430-1530
TR 1200-1300 and 1500-1600

Tutoring: a) Tutors designated by the Math department, AcI 374
(hours will be announced in class)
b) Learning Center AcI 160, Tel.305-919-5927

Important: A paperback version of the book is available, that includes Calc.I and II,
(i.e, MAC 2311 and 2312). If you plan to study Multivariable Calculus
MAC2313 later - you will be able to buy an additional paperback for it.
Another option: a hardcover that includes MAC 2311, 2312, and 2313.
If you are going to buy the book online or from a friend -
check if the subtitle says 'Early Transcendentals'.

You may use the Complete Solution Manual online (The website will be
announced in class).
This site requires Adobe Acrobat reader installed in our computer.

A good working knowledge of algebra and trigonometry is essential for your success in
Calculus One. It will be a good idea if you refresh your knowledge of algebra (especially in the area of
exponential and logarithmic functions as well as inverse functions in general) during the first 1-2
weeks of classes. It is equally important to review trigonometry. Trig functions and their graphs are
reviewed in Appendix C in the end of the book. Pay attention to Identities 3,4, 5,8,9,10,11 within
Appendix C. Graphs of inverse trig functions are reviewed in Ch. 6.8.

Chapters to cover:
1 (briefly), 2, 3.1-3.9, 4, 5.2, 5.7, 6.8, and 9.4.

Testing:
Two major exams, 3 relatively large quizzes,
a special homework on Chapter 4.3 - 4.7, and the final exam.
Exam 1 will include Chapters 1-3.7. Exam 2 will include chapters 3.8-6.8
The remaining sections will go directly into the final exam. Some changes could be made in the
content of each exam.
Quizzes will be based on current material. They will be announced in advance allowing sufficient time for preparation.

**The Special Homework on graphing** will contain several relatively difficult problems. You will be given sufficient time to complete the work which will be graded. Homework and Participation will also contribute to your final score.

**Homework, Attendance, Make ups:**
You will have your homework graded (as Pass or Fail) at least three times during the semester, on random occasions. Attendance will be checked indirectly while calling your name for a homework check. If you miss a class due to illness or equally important reason, it is your responsibility to find out what material was covered in class and the homework assignment. **Volunteer to turn in your homework for the day(s) you miss.**
No make ups for exams or quizzes unless you missed one of those due to a circumstance absolutely beyond your control. **Moreover, you have to notify me by phone or email in advance and present medical (or other) documentation.**

**NO NOTIFICATION=NO MAKE UP.**

*Final exam is cumulative and mandatory.*

**Grading (assuming that work is perfect):**
100 for each exam including the final, 11 for each quiz, the Special Homework will worth 10 points, and 7 points for homework and participation. In order to earn the 7 points for homework, you must be able to present a sufficiently good homework every time your name is called. **Homework grade is not an extra-credit but part of your actual grade.**

**Formula to compute your final grade:**

**Note:** If your work is perfect then the total of Exams 1 and 2 + 3 quizzes + Special Homework + Regular Homework = 250 (The 3 quizzes, Reg homework, and Spec Homework amount together to 50 points or ½ of a test, as if there were 2.5 tests not counting the final).

First we will calculate the Test Average as

\[
\text{Test Average} = \frac{\text{Ex.1} + \text{Ex.2} + 3 \text{ quizzes} + \text{Special Homework} + \text{Regular Homework}}{2.5}
\]

Now we will calculate the final score:

Final Numerical Grade = 70% of the Test Average + 30% of the grade received at the Final Exam

Numerical scores are translated into letter grades as follows:
Grade D minus begins at the score of 52, D begins at 56, D plus at 60.5, C minus at 65,
C at 69.5, C plus at 74.5, B minus at 79.5, B at 83, B plus at 86.5, A minus at 90, A at 95.

Comments:
a) Always do your homework, even if you are tired or very busy with other things. I strongly believe that doing homework is the best way of learning mathematics. When you do your homework never give up. Some problems may be difficult and your answer may not come out right. Try again using a different approach. Even an unsuccessful try is beneficial! Do not be embarrassed to turn in an imperfect homework. If I see your tries I may grade the work as 'Pass' even if the answer is not quite correct. On the other hand, a student who simply attends classes but does no homework has a very slim chance to succeed.

b) By the time we finish each topic you will be able to download a worksheet from my web page [www.fiu.edu/~shorem](http://www.fiu.edu/~shorem) (Adobe Acrobat reader is necessary.)

c) Only scientific calculators are allowed in exams or quizzes. NO GRAPHING CALCULATORS. This policy will be strongly enforced.

d) Any academic dishonesty (that is cheating at exams, quizzes, and homework) will be severely punished. I do hope that this statement will not be relevant in your class.