MAC 2312. Calculus Two.
Instructor: Shore, Office: AcI 386. Tel. and voicemail 305-919-5921
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Office hours: MW 1100-1230 and 1430-1530
TR 1200-1300 and 1500-1600

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


Important: If you have to buy the book, there are two options: a paperback which contains MAC 2311 and 2312 and a hard cover edition for 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 Calculus I is required. Review Derivatives of Exponential, Logarithmic, Trigonometric, and Inverse Trigonometric functions. Graphs of the functions listed above are also very important. Refresh integration techniques learned in calculus I.
Use the first two weeks of classes to complete the review. See me in the office if you have any questions on the review material or see the tutors. Unfortunately there will be no review in class.

Chapters to cover:
7, 6.2-6.7, 5.3-5.9, 10.1-10.9, 9.2, 9.3, 9.5.

Testing:
3 major exams, 4 quizzes, Homework and Participation, and the final exam.
Exam 1 will include Chapter 7. Exam 2 will include chapters 6 and 5. Exam 3 will include most of Chapter 10.
Those sections not included in exams 1, 2, and 3 will go directly into the final exam. Some small 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.

**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 homework check. If you miss a class due to illness or equally important reason, it is your responsibility to find out the material 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

**CRADING**
100 for each exam including the final, 11 for each quiz, and 6 points for homework and participation. In order to earn the 6 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, 2, and 3 + 4 quizzes + Homework = 350 (The 4 quizzes and Homework amount together to 50 points or \(\frac{1}{2}\) of a test, as if there were 3.5 tests not counting the final).

First we will calculate the Test Average as

\[
\text{Test Average} = \frac{\text{Exam 1} + \text{Exam 2} + \text{Exam 3} + 4\text{ quizzes} + \text{Homework}}{3.5}
\]

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 thoughtfully done homework is the best way of learning mathematics. When doing your homework never give up. If a certain problem does not come out - try again using a different approach. Even an unsuccessful try is helpful and beneficial. Do not be embarrassed to turn in an imperfect homework. A homework with no perfect solution but with several tries will most likely be graded as 'Pass'. 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
Adobe Acrobat reader is necessary for using this site.

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.