

MAC 2312

CALCULUS II

FALL SEMESTER 2007

Text: **Calculus, J. Stewart, 5th Edition**

Prerequisite: **Calculus I (MAC 2311)**

Course Description: **Calculus II is a continuation of MAC 2311; the course covers most of chapters 7, 8, 9, 11 and 12 of the text. The topics include the calculus of the logarithmic, exponential, and inverse trigonometric functions, methods of integration, applications of the definite integral, polar coordinates, and infinite series.**

Comments: **The grade is based on 4 tests (in-class, closed book) worth 100 points each, and a comprehensive final exam worth 200 points. There are no make-up tests and a missed test is counted as a zero. However, the final exam, in addition to counting as a final exam worth 200 points, is used as test 5 where it is worth 100 points. The best 4 out of 5 test scores plus the final exam score (a maximum of 600 points) are used to compute the final average.**

Letter grades are assigned according to the following scale: 90-100% A; 80-89% B; 70-79% C; 60-69% D; 0-59% F.

Important Dates: **Holidays: Sept. 3; Nov. 12, Nov. 22-24
Withdrawal deadline: Oct. 12**

Instructor: **Dr. R.S. Rodriguez
Office: Math and Physics, Room 201B
Phone: 407-823-2825**

Office Hours: **MW 10:30-11:30
T Th 1:30-3:00**

Syllabus:

1st Week Aug. 20-24

1. Section 7.1
2. Section 7.1, 7.2*
3. Section 7.2*

2nd Week Aug. 27-31

4. Section 7.3*
5. Section 7.4*
6. Section 7.5

3rd Week Sept. 3-7

7. Holiday
8. Section 7.5
9. Section 7.6 (pp. 486-488), Section 7.7

4th Week Sept. 10-14

10. Section 7.7
11. Section 8.1, Review
12. Test 1

5th Week Sept. 17-21

13. Section 8.2
14. Section 8.3
15. Section 8.4

6th Week Sept. 24-28

16. Section 8.5
17. Section 8.8 (omit 8.6, 8.7)
18. Section 9.1

7th Week Oct. 1-5

19. Section 9.2
20. Section 9.3 (optional), Review
21. Test 2

8th Week Oct. 8-12

22. Section 11.1
23. Section 11.2
24. Section 11.3 (Drop Deadline)

9th Week Oct. 15-19

25. Section 11.4
26. Section 11.5
27. Section 11.5

10th Week Oct. 22-26

28. Section 12.1
29. Review
30. Test 3

11th Week Oct. 29-Nov. 2

31. Section 12.2
32. Section 12.3
33. Section 12.4

12th Week Nov. 5-9

34. Section 12.5
35. Section 12.6
36. Section 12.7

13th Week Nov. 12-16

37. Holiday
38. Section 12.8
39. Section 12.9

14th Week Nov. 19-23

40. Section 12.10, Review
41. Test 4
42. Holiday

15th Week Nov. 26-30

43. Section 12.11
44. Section 12.11
45. Section 12.12 (optional)

16th Week Dec. 3-7

46. Review

Final Exam