

**Math 1272,                  Calculus II,                  Fall of 2002.**  
**Lecture 50.**

Instructor: Peter A. Rejto.  
Lecture: **2:30 p.m – 3:20 p.m., MWF    Nicholson Hall 212.**  
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**Textbook:** Stewart, Calculus- Early Transcendentals 4d edition. We will cover most but not all of Chapters 7 – 12.

**Prerequisites:** First six chapters of Stewart or comparable Calculus course.

**Homework:** Homework will be assigned in class and collected in the recitation sections on Tuesdays, after the material has been covered in class. Most, but not all of the assigned Hoemeworks will be taken from the enclosed list.

**Tests:** We will have three closed book tests on Thursdays, in the recitation sections; **September 26, October 24 and November 21.** These tests will emphasize the same material that was emphasized in class. Furthermore, some of the test problems will be similar to the Homework problems listed at the end of this syllabus.

**Makeup Tests:** As per senate policy; documentation etc. In addition, there will be uniform makeup test. That is to say, you take the same makeup test for missing any of the three tests. **Tuesday, November 26, 12:20 – 1:10 inx FordH 151. Please sign up with your instructor on Monday Nov. 25 after class.** (If you do not sign up the Math. Department Proctors will not have a test for you!)

**Record keeping:** If there is a discrepancy between your records and ours, please let us know immediately, but not later than two weeks. In any case, we shall not adjust our records after two weeks.

**Incompletes:** As per senate and Math. Department policy. Note that arrangements have to be made before the Final!

**Calculators:** The use of calculators on tests will not be allowed. At the same time, you may find calculators useful in doing some of the Homework problems. Similarly, you may find it useful to bring calculators to class.

**Grading:**

|                          |            |     |
|--------------------------|------------|-----|
| <i>Homework/Quizzes</i>  | 15 percent |     |
| <i>Tests 1 – 3</i>       | 45 percent | (1) |
| <i>Final Examination</i> | 40 percent |     |

More specifically, each of the three midterm tests will be graded out of 150 points and the Final will be graded out of 400 points.

**Material to be covered:**

Chapter 7, Sections 7.1-7.5; 7.7-7.8; 9 lectures

Chapter 8, Sections 8.1-8.3; 3 lectures

Chapter 9, Sections 9.1-9.4; 4 lectures

Chapter 10, Sections 10.1-10.6; 7 lectures

Chapter 11, Sections 11.1-11.6; 11.8- 11.10; 11.12; 11 lectures

Chapter 12, Sections 12.1-12.7 8 lectures

Note that: Sections 7.6, 8.4, 8.5, 9.5, 9.6, 9.7, 10.7, 11.7 and 11.11 are omitted.

Last day of instruction, Friday, December 13.

**UNIFORM, COMPREHENSIVE FINAL EXAMINATION,  
MONDAY, DECEMBER 16, 13:30–16:30,  
place to be announced.**

**List and Schedule of Assigned Homeworks:**

| Week | Section | Problems  |     |
|------|---------|---|-----|
| 1    | 7.1     | 4, 6, 10, 22, 26, 58                                      |     |
|      | 7.2     | 4, 7, 17, 28  |     |
| 2    | 7.3     | 2, 3, 4, 24   |     |
|      | 7.4     | 1, 2, 6, 14, 16, 29                                       |     |
|      | 7.4     | 10, 30, 34, 44  |     |
| 3    | 7.5     | 2, 9, 17, 26, 41, 70                                      |     |
|      | 7.7     | 1, 2, 8 <i>a</i> , 20 <i>b</i> , 24                       |     |
|      | 7.8     | 2, 5, 6, 9, 10, 20, 22, 27, 28, 34, 55                    |     |
| 4    | 8.1     | 1, 2, 8, 14, 17, 22                                       |     |
|      | 8.2     | 1, 4, 8, 11   |     |
| 5    | 8.3     | 19, 20, 21, 24, 28, 31, 32, 37                            |     |
|      | 9.1     | 1, 2, 3, 12   |     |
|      | 9.2     | 1, 2, 3, 4, 5, 6, 15, 19                                  |     |
| 6    | 9.3     | 1, 8, 10, 14, 28, 32, 34                                  |     |
|      | 9.4     | 3, 4, 5, 8, 11, 14, 17, 18                                | (2) |
| 7    | 10.1    | 1 – 8, 18, 19, 22, 28                                     |     |
|      | 10.2    | 1, 2, 5, 8, 10, 12, 30, 35, 36                            |     |
|      | 10.3    | 1, 4, 8, 22, 29   |     |
| 8    | 10.4    | 2, 4, 6, 7, 8, 10, 12, 16, 17, 21, 22, 35, 37, 56, 57, 62 |     |
|      | 10.5    | 2, 3, 5, 8, 10, 22, 25, 29, 30, 37, 38, 45                |     |
|      | 10.6    | 6, 11, 19, 49   |     |
| 9    | 11.1    | 3, 4, 5, 6, 9, 10, 11, 15, 16, 9, 22, 31, 52, 54, 56      |     |
|      | 11.2    | 7, 9, 12, 14, 16, 22, 23, 36, 42                          |     |
|      | 11.3    | 1, 3, 5, 7, 25, 27  |     |
| 10   | 11.4    | 4, 5, 7, 8, 11, 12, 22                                    |     |
|      | 11.5    | 3, 4, 7, 8, 12, 13, 14, 23, 26, 29, 30                    |     |
|      | 11.6    | 2, 3, 4, 6, 12, 16  |     |
| 11   | 11.8    | 6, 7, 9, 10, 16, 18, 24                                   |     |
|      | 11.9    | 3, 4, 6, 13, 14, 20, 26, 27, 32, 40                       |     |

| Week | Section | Problems   |     |
|------|---------|--|-----|
| 12   | 11.10   | 3, 4, 6, 11, 12, 13, 22, 25, 26, 35, 40, 42, 45, 46, 52    |     |
|      | 11.12   | 3, 4, 6, 7, 16, 22, 28                                     |     |
|      | 12.1    | 1, 2, 3, 8, 9, 10, 14, 16, 17, 36, 38                      |     |
| 13   | 12.2    | 1, 4, 5, 6, 11, 12, 15, 16, 20, 25, 26                     |     |
|      | 12.3    | 6, 8, 10, 11, 14, 18, 20, 22, 26, 28, 42, 44, 52           |     |
|      | 12.4    | 4, 6, 9, 10, 16, 24, 26, 30                                | (3) |
| 14   | 12.5    | 2, 5, 8, 10, 16, 17, 19, 23, 24, 28, 29                    |     |
|      | 12.6    | 21 – 28, 30, 32, 33  |     |
| 15   | 12.7    | 4, 5, 6, 9, 10, 49 <i>a</i> , 50 <i>a</i><br><i>Review</i> |     |