Math 206: Calculus with Differential Equations
Spring, 2016
Section #30724
Mondays and Wednesdays, 6:00-7:50pm
Mount Carmel High School

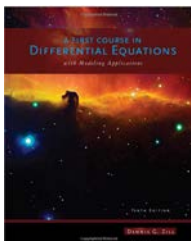**INSTRUCTOR:** Andy Rosen **OFFICE HOURS:** Before class for ½ hour
PHONE: (760) 744-1150, ext. 5428
E-MAIL: rosen@rosenmath.com
*** E-mail is the best way to reach me!!

TEXTBOOK: A First Course in Differential Equations, Tenth Edition, by Dennis G. Zill
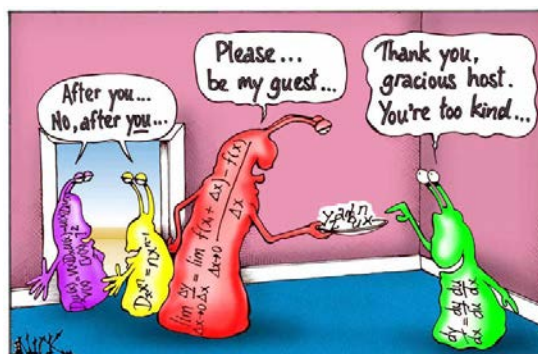
MATERIALS: All class assignments and exams must be done is pencil – work done in ink will not be given credit. A graphing calculator may be needed for some homework assignments, but calculators will not be allowed on quizzes or exams.

CLASS WEBSITE: Because all lessons are done on PowerPoint, they will be posted on a website (www.rosenmath.com). This is especially useful in the case of an absence or if you wish to review the lesson. If you don't have PowerPoint on your computer, the site also has a link for a free PowerPoint viewer.

HOMEWORK: As part of this syllabus, a list of homework assignments for the course has been provided. These assignments will not be collected or scored, though it is a good idea to do and understand the homework. Quiz and exam questions are based on the homework.

QUIZZES: There will be 19 quizzes throughout the course, as listed on the attached class schedule. Each quiz will be worth 5 points. There are no makeup quizzes, but students are allowed to drop their two lowest quiz scores. At the end of the term, points for the quizzes will be added and given a percentage score, and that score will have the value of a 100-point exam.

EXAMS: There will be five exams throughout the course. Each of these exams will be worth 100 points. There will be no makeup exams, but students will be allowed to drop their lowest exam score. The final exam is worth 200 points and will be given on Monday, May 23 (this score may not be dropped).

Deferential equations.

GRADING SCALE:

90% - 100% = A
80% - 89% = B
70% - 79% = C
60% - 69% = D
Below 60% = F
I will curve decimals, but 89.4% is still a B.

IMPORTANT DATES: January 24 – Last day to add without a permission code
January 31 – Last day to add with a permission code
January 31 – Last day to drop without a notation on your record
March 14 – Last day to drop with a W on your record

MISCELLANEOUS:

- Participation and attendance are not part of your grade. However, students who regularly attend class and participate in class discussions will find that they understand the course material more fully.

- Students are encouraged to work together for this class. This includes working on homework assignments and preparing for exams. The exceptions, of course, are quizzes and exams.

- Students with disabilities need to meet with the instructor during the first week to discuss testing accommodations.

- If you feel that you are falling behind in the course, do not hesitate to approach the instructor with questions. He is available before and after class to help students who need assistance. Also, the Math Learning Center, located in room MC-1 on the San Marcos Campus, is available to students who seek tutoring. Students who get assistance at the MLC will be enrolled in a zero unit, no cost course through CNED. Go to http://math.palomar.edu/mlc for hours of operation and for more information.

- Inappropriate behavior, such as cheating or excessive disruptiveness may result, at the discretion of the instructor, in a student being dropped and/or a grade of F being recorded for the course.

Date	Class Activities	Homework Assignment (Only Odd Problems)
1/20	Introduction Section 1.1	p. 10 : 1-37, 47-57
1/25	Quiz #1 Sections 1.2 and 1.3	p. 17 : 1-43, 51 p. 28 : 1-29
1/27	Quiz #2 Section 2.1	p. 43: 1-41
2/1	Review Integrals	Review Worksheet
2/3	Quiz #3 Section 2.2	p. 51: 1-49, 55
2/8	Exam #1 (covers 1.1 – 2.2)	
2/10	Section 2.3	p. 61: 1-41, 53
2/15	No Class – President's Day	
2/17	Quiz #4 Section 2.4	p. 69: 1-39
2/22	Quiz #5 Section 2.5 and 2.6	p. 74: 1-29, 37 p. 79: 1-3
2/24	Quiz #6 Section 3.1	p. 90: 1-35, 39-43
2/29	Exam #2 (covers 2.3 – 3.1)	
3/2	Section 4.1	p. 127: 1-35
3/7	Quiz #7 Section 4.2	p. 131: 1-21 (do 1–3 without formula)
3/9	Quiz #8 Section 4.3	p. 137: 1-61
3/14	Quiz #9 Section 4.4	p. 147: 1-45
3/16	Quiz #10 Section 4.6	p. 161: 1-25
3/21	No Class -- Spring Break	
3/23	No Class -- Spring Break	
3/28	Quiz #11 Section 4.7	p. 168: 1-45
3/30	Exam #3 (covers 4.1 – 4.7)	
4/4	Section 5.1	p. 205: 1-37
4/6	Quiz #12 Section 6.1	p. 237: 1-33
4/11	Quiz #13 Section 6.2	p. 246: 1-25
4/13	Quiz #14 Section 6.3	p. 255: 1-33
4/18	Exam #4 (covers 5.1 – 6.3)	
4/20	Section 7.1	p. 280: 1-41
4/25	Quiz #15 Section 7.2	p. 288: 1-41
4/27	Quiz #16 Review matrices, determinant, eigenvalues	p. APP-18: 1-29, 47-55
5/2	Quiz #17 Section 8.1	p. 332: 1-25
5/4	Quiz #18 Sections 8.2.1 and 8.2.2	p. 346: 1-31
5/9	Quiz #19 Sections 8.2.3 and 8.3	p. 347: 33-45 p. 354: 1-33
5/11	Exam #5 (covers 7.1 – 8.3)	
5/16	Review for the Final	
5/18	No Class	
5/23	Final Exam	