

Syllabus

Math 22B-21 Summer Session II 2008

10:00-11:40 AM, MWF, Olson 223

Instructor: Michael Schwemmer, email: mschwemmer@math.ucdavis.edu

Office Hours: 12:00-1:00 PM, MWF, MSB 2123, or by appointment

Textbook: *Elementary Differential Equations and Boundary Value Problems* by W.E. Boyce and R.C. DiPrima, eighth edition

Prerequisites: *It is important that you have taken Math 22A*, Linear algebra, or have had a course equivalent to 22A. We shall use various concepts such as vector spaces, linear independence, basis, matrix multiplication, characteristic polynomial, and eigenvalues and eigenvectors.

Grading Policy:

- Homework: 15% (3% each)
- Quizzes: 20% (5% each)
- Midterm: 25%
- Final: 40%

There will be no make-up exams and late homeworks will not be accepted.

Quizzes: There will be 4 quizzes.

- Quiz 1: Friday August 8, 2008 in class.
- Quiz 2: Friday August 15, 2008 in class.
- Quiz 3: Friday August 29, 2008 in class.
- Quiz 4: Friday September 5, 2008 in class.

These will be significantly shorter than the exams. There will be no make-up quizzes.

Exams: There will be one midterm and a final.

- **Midterm: Friday August 22, 2008 in class.** This will cover the material of the previous 3 weeks.

Final:

- **Final: Friday September 12, 2008 in class.** This will cover the entire quarter's material.

Calculators, books, or notes of any sorts are NOT allowed during exams and quizzes, and cellphones must be turned off. Cheating will not be tolerated and will be reported to Student Judicial Affairs. I reserve the right to ask students for identification and to change seats during exams and quizzes. There will be NO MAKE-UP QUIZZES OR EXAMS; it is your responsibility to plan your schedule so as to not miss them. Also, if you find an error in the grading of an exam you have up to 2 DAYS since the exam was passed back in order to notify me or else the grade stands.

Disability information and special accomodations Any student with a documented disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange reasonable accomodations must contact the Student Disability Center (SDC). Faculty are authorized to provide only the accommodations requested by the SDC. If you have any questions, please contact the SDC at 530/752-3184 or sdc@ucdavis.edu.

Homework Assignments: There will be five homework assignments. They will be assigned on Wednesday and due at the beginning of class the following Wednesday. Collaboration on homework is acceptable and encouraged, but your write-up should be your own work. Copying solutions is NOT allowed. The textbook we will be using has the answers to all of the homework exercises in the back. You are encouraged to check your answers, but do not just copy the answer as your homework will be graded on how you arrived at the answer. LATE HOMEWORK WILL NOT BE ACCEPTED.

MyUCDavis and Smartsite: Grades will be posted on MyUCDavis (<http://my.ucdavis.edu/>). I will use Smartsite (<https://smartsite.ucdavis.edu:8443/portal>) to post various resources throughout the course and to send announcements to the class. I suggest that if I take the time to post something, you should also take the time to at least look it over.

Schedule: We have 10 weeks of material to cover in only 6 weeks, so don't fall behind! This schedule is only a rough outline and is subject to change.

Date	Day	Section	Exam/Quiz	Homework
August 4	Monday	1.1-3	QUIZ 1	HOMEWORK 1 ASSIGNED
August 6	Wednesday	2.1-2		
August 8	Friday	2.3-5		
August 11	Monday	2.7-8	QUIZ 2	HOMEWORK 1 DUE, HOMEWORK 2 ASSIGNED
August 13	Wednesday	2.9, 3.1		
August 15	Friday	3.2-3		
August 18	Monday	3.4-5	MIDTERM	HOMEWORK 2 DUE, HOMEWORK 3 ASSIGNED
August 20	Wednesday	3.6, REVIEW		
August 22	Friday			
August 25	Monday	3.7-9	QUIZ 3	HOMEWORK 3 DUE, HOMEWORK 4 ASSIGNED
August 27	Wednesday	6.1-2		
August 29	Friday	7.1-3		
September 1	Monday	7.4-5	QUIZ 4	HOMEWORK 4 DUE, HOMEWORK 5 ASSIGNED
September 3	Wednesday	7.6-7		
September 5	Friday	7.8		
September 8	Monday	7.9	FINAL	HOMEWORK 5 DUE
September 10	Wednesday	REVIEW		
September 12	Friday			

Advice

- Come to class and office hours!
- Try to spend at least two hours per day outside of class studying the material. This could include:
 - reading relevant sections of the textbook before or after they're covered in class,
 - doing problems from the textbook other than the ones assigned for homework, or
 - explaining the material to someone else to make sure you really understand it.
- Make sure you start the homework assignments right away.

PLEASE TURN OFF CELLPHONES DURING LECTURES