Course Description

Prerequisites
Math 20C (or Math 21C) or Math 31BH with a grade of C- or better.

Textbook
William E. Boyce and Richard C. DiPrima, Elementary Differential Equations, 10th ed., John Wiley & Sons, 2009. (Note: We will only cover parts of chapters 1, 2, 3, 5, 6, and 7 of the text.)

Schedule
Lectures
3:30 pm - 4:50 pm Tuesdays and Thursdays Center Hall 101

Instructor
Dr. Hui Sun
Office: AP&M 5747; Office hours: Tu & Th 5-6pm, Wed 4-5pm;
Phone: (805) 534-4889; Email: hus003@ucsd.edu.

Discussion Sessions

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Day</th>
<th>Room</th>
<th>TA</th>
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<tbody>
<tr>
<td>Session C01</td>
<td>08:00 am - 08:50 am</td>
<td>Thursdays</td>
<td>U413 2</td>
<td>James Pascoe</td>
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<tr>
<td>Session C02</td>
<td>09:00 am - 09:50 am</td>
<td>Thursdays</td>
<td>U413 2</td>
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<td>Session C03</td>
<td>10:00 am - 10:50 am</td>
<td>Thursdays</td>
<td>U413 2</td>
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<tr>
<td>Session C04</td>
<td>11:00 am - 11:50 am</td>
<td>Thursdays</td>
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<tr>
<td>Session C05</td>
<td>12:00 pm - 12:50 pm</td>
<td>Thursdays</td>
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<td>Session C06</td>
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<td>Session C07</td>
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<td>Thursdays</td>
<td>APM B412</td>
<td>David Zhang</td>
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<tr>
<td>Session C08</td>
<td>1:00 pm - 1:50 pm</td>
<td>Thursdays</td>
<td>APM B412</td>
<td>David Zhang</td>
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Teaching Assistants

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<thead>
<tr>
<th>Name</th>
<th>Office</th>
<th>Office Hours</th>
<th>Lab Hours</th>
<th>Email Address</th>
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<tbody>
<tr>
<td>James Psacoe</td>
<td>APM 6351</td>
<td>10-11 Th</td>
<td>12-1 Mon</td>
<td><a href="mailto:jpascoe@ucsd.edu">jpascoe@ucsd.edu</a></td>
</tr>
<tr>
<td>Brian Bowers</td>
<td>APM 5412</td>
<td>12-1 Wed, 1-2 Mon</td>
<td>10-11 Mon &amp; Wed</td>
<td><a href="mailto:bebowers@ucsd.edu">bebowers@ucsd.edu</a></td>
</tr>
<tr>
<td>David Zhang</td>
<td>APM 6452</td>
<td>2-3 Mon</td>
<td>12-1 Wed</td>
<td><a href="mailto:z9zhang@ucsd.edu">z9zhang@ucsd.edu</a></td>
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Homework
Homework will be assigned on the course homework page and should be completed by the discussion section on the indicated due date. Click here for the homework. Homework will not be collected; your homework will be evaluated by your performance on periodic quizzes. You should make every effort to complete the homework assignments and seek help with problems you have not been able to solve. You can get help with the homework assignments in the Calculus Tutoring Lab.

Quizzes
There will be quizzes during discussion sessions in weeks 1, 2, 3, 5, 6, 7. Each quiz will have only one or two problems, and will be 5-15 minutes long depending on the questions.

Matlab
There will be 4 homework assignments and a final quiz. The Matlab homework is due in the drop box before 3:00 pm each due day. The Matlab homework due dates are: Wednesday, Oct 9; Wednesday, Oct 23; Wednesday, Nov 6; and Wednesday, Nov 20. The Matlab final quiz date is on Dec 3. See the website http://www.math.ucsd.edu/~math20d/ for Matlab FAQs, Matlab topics, Matlab tutoring hours, and the information for the final Matlab quiz.

Exams
There will be two midterm and one final, close-book and close-note exams. No calculators will be allowed in these exams. The final exam will be cumulative.

| Midterm Exam 1 | 3:30 pm - 4:20 am | Tuesday, Oct 22 | Center Hall 101 |

http://www.math.ucsd.edu/~hus003/math20D/print_index.html
Midterm Exam 2
3:30 pm - 4:20 am
Tuesday, Nov 19
Center Hall 101

Final Exam
3:00 pm - 5:59 pm
Monday, Dec 9
Center Hall 101

Note: neither rescheduled nor make-up exams will be allowed unless a written verification of a valid excuse (such as hospitalization, family emergency, religious observance, court appearance, etc.) is provided.

Grading

The final course grade will be the maximum between the following two:

- 10% Quizzes, 10% Matlab, 20% Midterm Exam 1, 20% Midterm Exam 2, 40% Final Exam.
- 10% Quizzes, 10% Matlab, 20% Best Midterm Exam, 60% Final Exam.

Among the MATLAB portion total 10% of the final grade, 2% of the final grade goes to each MATLAB assignment, and the MATLAB final quiz occupies the remaining 2% of the final grade.

There will be six quizzes given in the beginning of each TA session in weeks 1, 2, 3, 5, 6, 7. Each quiz is allocated 2% of the final grade, while the lowest quiz score will be dropped.

After your weighted average is calculated, letter grades will be assigned based on the standard grading scale:

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<th>B+</th>
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<th>B-</th>
<th>C+</th>
<th>C</th>
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There will be no curve, but we may adjust the scale to be more lenient (depending on the performance of the class). Please note that there are no D grades in the Math 20 sequence.

OASIS Tutoring

OASIS (Office of Academic Support and Instructional Services) is a campus-wide program for undergraduates of all majors. The program provides free tutoring and helps improve study habits. OASIS is located on the 3rd floor of Center Hall.

Academic Integrity

Every student is expected to conduct themselves with academic integrity. Violations of academic integrity will be treated seriously. See the official UCSD Policy on Integrity of Scholarship and the related information.

Last updated by Hui Sun on Oct 2, 2013.