Course Description: In this course the student will be introduced the field of Partial Differential Equations (PDEs). We will mostly study first and second order linear equations. Special emphasis will be placed on the important constant coefficient equations from physics (heat, wave, Laplace).

Prerequisite(s): Mathematics 5A or 5AI, 5B or 5BI, and 5C or 4B or 4BI, and 6A or 6AI, and 6B.

Text(s): Partial Differential Equations: An Introduction, 2nd Edition

Grade Distribution:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>30%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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</tbody>
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Course Policies:

- **Assignments**
  - Homework assignments will be used to gauge attendance and participation.
  - Homework assignments will not in general be graded in detail.
  - You are encouraged to collaborate on homework problems if this facilitates your learning. Whatever you turn in should reflect your own understanding.

- **Quizzes**
  - Quizzes will be given unannounced on average roughly once a week at the end of class
  - Quiz questions will be either identical or similar to previous homework problems
  - The two lowest quiz scores will be dropped.
- No makeup quizzes will be given. The low score dropping policy in the bullet above is intended to give you some leeway in the event of sickness.
- Quizzes are closed book/notes.

● Midterm

- The midterm will be provisionally scheduled for 02/04/14 (subject to change!).
- One page (front and back) of handwritten notes is permitted.
- Makeup exams will not be the same as what was given to the rest of the class and may be harder.

● Final

- The final is scheduled for 03/18/14 4:00-7:00pm.
- The final will be cumulative.
- One page (front and back) of handwritten notes is permitted.

Students with Disabilities “Providing academic accommodations to students with disabilities is a shared responsibility of the campus. Students with disabilities are responsible for ensuring that the Disabled Students Program (DSP) is aware of their disabilities and for providing DSP with appropriate documentation. DSP is located in 2120 Student Resource Building and serves as the campus liaison regarding issues and regulations related to students with disabilities. The DSP staff works in an advisory capacity with a variety of campus departments to ensure that equal access is provided to all disabled students.”

http://dsp.sa.ucsb.edu/

If you have a disability requiring special accommodations please contact DSP and me as soon as possible. I will do my best to make any accommodations I can.

Academic Integrity

“All members of the academic community share responsibility for the academic integrity of students at UCSB. Academic dishonesty is an assault upon the basic integrity and meaning of a University. Cheating, plagiarism, and collusion in dishonest activities are serious acts which erode the University’s educational and research roles and cheapen the learning experience as well as the value of one’s degree. This is true for offenders as well as the entire community. It is expected that all UCSB students will support the ideal of academic integrity and that they will be responsible for the integrity of their work. Materials (written or otherwise) submitted to fulfill academic requirements must represent a student’s own efforts unless otherwise permitted by an instructor. It is also the responsibility of each student to know the campus rules regarding academic misconduct. Ignorance is not an excuse.”

http://judicialaffairs.sa.ucsb.edu/AcademicIntegrity.aspx