Math 34A  Calculus for Social and Life Sciences  Winter 2010

Instructor: Daryl Cooper  Office: SH 6704  Office Hours: MWF 12-1
Text: Cooper, Calculus and Mathematical Reasoning ...
email: math34aw10@math.ucsb.edu

An iclicker remote is required for this course. You can buy it from the bookstore if you do not already have one.

Bring the text and iclicker to every class.

Homework: http://webwork.math.ucsb.edu/  Your login name and password are your perm.
Course web page http://www.math.ucsb.edu/~cooper/teaching/34AW10.html
Waiting list http://math.ucsb.edu/ugrad/index.php
Syllabus Chaps 1-8

This class is about learning to think analytically to solve problems you have not seen before, it is not about formulae and recipes for particular problems.

Tardis codes You will be given a 4 digit Tardis code in the first discussion. This must be printed in the top right corner of all work (quizzes and exams). Any work without a Tardis code will not be graded.

(1) Print your Tardis
(2) Print you name below

<table>
<thead>
<tr>
<th>Midterm 1 (Ch 1-4) F Jan 15</th>
<th>6%</th>
<th>Midterm 2 (Ch 1-7) W Feb 10</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm 3 (Ch 1-8) F Mar 5</td>
<td>14%</td>
<td>Optional Early Final (see below) 1-4pm</td>
<td>F Mar 12</td>
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<td>i-clicker</td>
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</tbody>
</table>

(1) Print your Tardis
(2) Print you name below

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Jane Li

Attendance: There is one point awarded for participation in each lecture. To get this point give an iclicker response to every question (except anonymous ones). Usually there will be a question at 10:01am and another at 10:49am. If you miss the bus you miss the point.

Bonus points will be awarded on exams for high quality work. See section 1.9 in the text. This means work that is neat and you explain the steps used in solving a problem. I will write solutions on the screen in the way I want you to write them.

Exams: you will be assigned a seat which you must sit in during the exams. You may bring one 3x5 card into exams with standard math facts on both sides. You must bring a photo ID to the all exams. Bring a LARGE BLUEBOOK to exams.

Calculators: a basic $12 scientific calculator will sometimes be useful. It should be able to do logs. A graphing calculator is not needed. Calculators are NOT allowed in exams.

I need Help! Matlab in South Hall 1607 is staffed M->F noon->5pm by TAs who will be happy to help you.

CLAS is the Campus Learning Assistance Service (see www.clas.ucsb.edu). They have drop in help and they have classes. I recommend you sign up today for one of these classes. enroll online http://my.sa.ucsb.edu/clas

Sickness or Missing an Exam. If you miss a midterm or quiz for any reason email your TA.
Flu if you get flu, do not come to class. See http://studenthealth.sa.ucsb.edu/Influenza(flu).aspx
You do not need a note from a medical worker. At the discretion of the TA, you will be given an average for the missed work based on work you do. There are no makeup exams.

Optional Early Final: there is a cost of 10% which will be subtracted from your score for taking this early exam. The exam will be different (and maybe slightly harder) than the regular one. You must inform me in writing by Feb 17 if you plan to take this exam. You must give a reason which I find compelling.

Incomplete if you cannot complete the course because of a family tragedy, or some other reason you must complete a form and give it to the registrar on or before Fri Mar 19. An incomplete usually becomes an F after one quarter unless you complete before then.

Switching discussions Under special circumstances you might be able to switch discussion sections. To do this you must get permission from both TAs involved. If they agree then you can switch. Do not drop and re-register. Officially you will be in the original section, unofficially you will be in another one. You must get a new Tardis. It is your responsibility to ensure your name, perm and all scores are transferred between the TAs.

Late Adds if you add this class late you must talk to your TA who will arrange for you to have an average score for the work you missed based on the work you do after adding.

Jokes I need funny clean inoffensive jokes. Please come up to me outside Campbell Hall before class and tell 'em
Lecture Plan

If you WANT to do well in this class read the assigned sections BEFORE the relevant class

Read pages 2, 3, 46 and 247

Wk1
M Jan 4       Read 1-1.2
W Jan 6       Read 1.4,1.5
F Jan 8       Read 1.6, 1.7

Wk2
M Jan 11      Read 4-4.3
W Jan 13      Read chap 5
F Jan 15      Midterm 1 pages 256, 257, 258

Wk3
M Jan 18      HOLIDAY
W Jan 20      Read 6-6.2
F Jan 22      Read 6.3,6.4

Wk4
M Jan 25      Read 7-7.1
W Jan 27      Read 7.2, 7.3
F Jan 29      Read 7.4, 7.5

Wk5
M Feb 1       Read 7.6
W Feb 3       Read 7.7
F Feb 5       Read 7.10,7.11

Wk6
M Feb 8       Read 8-8.3
W Feb 10      Midterm 2 pages 260, 261,2 62
F Feb 12      Read 8.3,8,4

Wk7
M Feb 15      HOLIDAY
W Feb 17      Read 8.5
F Feb 19      Read 8.6

Wk8
M Feb 22      Read 8.7
W Feb 24      Read 8.8, 8.9
F Feb 26      Read 8.10, 8.11

Wk9
M Mar 1       Read 8.12
W Mar 3       Read 8.13
F Mar 5       Midterm 3 pages 264, 265, 266

Wk10
M Mar 8       word problems
W Mar 10      word problems
F Mar 12      Review
T Mar 16      FINAL EXAM  8-11 am 1 hour earlier than usual