Math 1910: Calculus for Engineers
Spring 2013
MWF 12:20-1:10
203 Thurston Hall

Instructor:
Bruce Fontaine
Email: bfontai@math.cornell.edu
Office: 432 Malott Hall
Office Hours: Monday 2:30pm to 3:30pm, Wednesday 1:30pm to 2:30pm

TA:
Danielle Toupo
Email: dpt35@cornell.edu
Office: 102 Thurston Hall
Office Hours: Monday 4:30pm to 6:30pm

Textbook:
The material (and homework problems) covered in this course will come from the following text:


This text has 12 chapters. If you are continuing on to Math 1920, you may wish to instead purchase:


This text has 6 additional chapters. We will only cover chapters 5 through 11 of the text in Math 1910.

Prerequisites and Content:
Prerequisites are three years of high school mathematics, including trigonometry and logarithms, and at least one course in differential / integral calculus. This is essentially a second course in calculus. Topics include techniques of integration, finding areas and volumes by integration, exponential growth, partial fractions, infinite sequences and series, and power series. For an exact list of topics covered see the course website.

Course Website:
Announcements, the schedule, this document and others will be available on http://blackboard.cornell.edu/. Note that once you are enrolled in this course, you should be able to see the blackboard page without doing anything extra. Check the announcements regularly for information as things may updated.

Discussion Sections:
There are two discussion sections, meeting Tuesday and Thursday in 307 Phillips Hall from 8:00 AM to 8:50 AM or 9:05 AM to 9:55 AM. Please be sure you are registered in one of these two sections. Most weeks the Thursday session will consist of a group Workshop described below. For the remaining sessions, there will generally be quizzes based on that weeks homework and discussion after.

Homework:

- There will be one problem set due each week (other than the first), usually in the Tuesday discussion section. Pay attention to the posted schedule to check which day they are due.
- The writeup of the homework problems should be your own work, but feel free to discuss the problems and your solutions with your classmates.
Homework will be graded for completeness only, out of 5 with the lowest mark dropped. An honest attempt at each problem will get full marks.

Other than the prelim weeks, there will be a homework quiz with 1 or 2 randomly selected problems from that weeks homework. This will be marked for correctness out of 5. The lowest grade will be dropped.

No late homework will be accepted, since the solutions will be posted the day the homework is due. No rescheduling or make-up quizzes. No calculators allowed.

Workshops:

Most weeks in the schedule have workshops during the Thursday discussion section.
The workshop will be posted on the Sunday prior. Please read before attending your discussion section.
The TA will split you into groups of 4 or 5 people and each group will submit one completed workshop, determining the grade (out of 5) for all group members.

Prelim and Final Exams:

The 3 prelims will take place in Phillips Hall 203 from 7:30 PM to 9:00 PM on Tuesday, February 19th, Thursday March 28th and Tuesday April 23rd. These will cover just the material since the previous prelim.
The final exam is Friday, May 17th from 9:00 AM to 11:30 AM, room TBA. The final exam will be cumulative.
There will be no make-up or rescheduling of the prelim or final exams. No calculators allowed.

Grading Scheme:

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<thead>
<tr>
<th>Points</th>
<th>Category</th>
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<tbody>
<tr>
<td>100</td>
<td>each prelim exam</td>
</tr>
<tr>
<td>300</td>
<td>final exam</td>
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<tr>
<td>45</td>
<td>quizzes</td>
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<tr>
<td>60</td>
<td>homework</td>
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<tr>
<td>45</td>
<td>workshops</td>
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<tr>
<td>750</td>
<td>total</td>
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Add/Drop Information The add deadline this year is Friday, February 8th and the drop deadline is Friday, March 8th. All add/drop inquiries should be directed toward Heather Peterson (hko1@cornell.edu).