MATH 142-01 and 02
Syllabus
Spring, 2012

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Required Text: Calculus, by James Stewart.

Goals: The emphasis in this course is on integral calculus, including applications and techniques of integration. We will also spend some studying parametric curves and sequences and series.

1. Students will understand and apply concepts of accumulation of change.
2. Students will learn definitions, theorems, techniques, and applications in integral calculus.
3. Students will learn to manipulate and apply sequences and series.
4. General Education objective from CLA Catalog: Students will demonstrate the ability to make judgments and draw appropriate conclusions based on quantitative information.

Assessment: Your grade will be computed as follows:

| In-class work: | 250 points |
| WeBWorK: | 250 points |
| Midterm Exams: | 3 @ 100 points each |
| Final Exam: | 200 points |

Grades must fall into the categories below to earn the corresponding letter grade.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>A</th>
<th>A−</th>
<th>B+</th>
<th>B</th>
<th>B−</th>
<th>C+</th>
<th>C</th>
<th>C−</th>
<th>D+</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Percentage</td>
<td>92</td>
<td>89.5</td>
<td>87.5</td>
<td>82</td>
<td>79.5</td>
<td>77.5</td>
<td>72</td>
<td>69.5</td>
<td>67.5</td>
<td>65</td>
<td>59.5</td>
</tr>
<tr>
<td>Minimum Points</td>
<td>920</td>
<td>895</td>
<td>875</td>
<td>820</td>
<td>795</td>
<td>775</td>
<td>720</td>
<td>695</td>
<td>675</td>
<td>650</td>
<td>595</td>
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</table>

Note that the “minimum points” already accounts for rounding. If you make 874, that is a B and you have not “missed by just one point” – you have missed by a point plus rounding. These cutoffs are sharp, and you should not expect any extra boosts. However, if you focus on learning what we study, the grades will take care of themselves. They should be among the least of your worries.

I will not take attendance for a grade, but I will expect you to be here every day. If you must miss, you should let me know in advance.

You will be responsible for regular homework assignments. I will make solutions available through WISE in PDF format for selected exercises so you can check your work. I will not be collecting the assignments from the text, but there will be quizzes and additional homework due on WeBWorK (see below).

In-class work: We will have regular in-class group assignments. These assignments are to be collaborative efforts; the material will typically be a little deeper than the standard homework assignments. Each group of 3 or 4 students will turn in one write-up. Grades for this will be based on both the write-up and each member’s participation in the group. For this reason, these assignments cannot be made up, but I will drop the lowest one. NOTE: The in-class assignments will often replace lectures. That is, you will be learning new material on the worksheets that we will not be covering in lecture. Be sure to get help outside of class if you need it!

In addition, there will be two larger projects with approximately two-week timelines. These will be substantial and require collaboration and, probably, consultation with me.

WeBWorK: This is an on-line homework system. The problems will be very much like those in the text, so the text problems can give you additional practice. Note that WeBWorK is worth 15% of your grade. In WeBWorK, you may keep trying problems you miss until you get them right. This means that everyone should get 100% on homework, so take advantage of the system by not giving up. At the same time, you
should **not** just guess at answers until one works; this is a counterproductive waste of time. If you are struggling, **come see me!** The address for our WeBWorK site is

http://hosted.webwork.rochester.edu/webwork2/Willamette_mth142_02

and there is a link on our course homepage. Please be sure to do all of the homework and not just the WeBWorK. WeBWorK is the graded portion, but it is not sufficient by itself. WeBWorK assignments will become available at class time on the day they are assigned. They are due at 11:50 PM on the due date, and answers will be available then. Note that you have more time for the first few WeBWorK assignments; this is so that you can become accustomed to the system. Eventually, each assignment will be due on the third weekday after it is assigned. That is, Tuesday assignments are due Friday, and Thursday assignments are due Tuesday. This will give you two intervening days to seek help. **CAUTION:** if you wait until the day they are due to come see me, there will not be enough time!

Note as well that between the WeBWorK and the text problems, there is a lot of homework. You should do as much as possible; the WeBWorK portion is slightly less than a bare minimum.

There are three midterm exams; please note that the dates below are subject to change.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
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<tbody>
<tr>
<td>Exam I</td>
<td>Wednesday, February 8</td>
</tr>
<tr>
<td>Exam II</td>
<td>Wednesday, March 7</td>
</tr>
<tr>
<td>Exam III</td>
<td>Wednesday, April 11</td>
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The final for section -01 (the 8am section) will be on Saturday, May 5 from 8 to 11 AM. The final for section -02 (the 9:10am section) will be on Monday, May 7 from 8 to 11 AM.

You may not make up any missed exam or quiz. If an emergency arises, **contact me prior to the exam.**

**Please note:** Written responses to all questions must be in complete sentences. I expect correct usage of grammar, spelling, and punctuation at all times; your grade will reflect this! I also expect your work to be neatly written.

If you have special needs (e.g., for a documented disability), it is your responsibility to approach me at least a day in advance of the need for accommodation.

Cheating absolutely will not be tolerated. The minimum penalty for cheating is a 0 on the assignment and a formal notification to the dean.

My door is usually open. The office hours above are the times I will definitely be in my office (or nearby), but you are welcome to come by at other times as well. Make sure you come see me whenever you have a question.