Instructor: Patrick Perkins  
Office: Communications B-014  
E-mail: perkins@math.washington.edu  
TA’s: RA&RC — Katherine Cook — PDL C-8H — krcook@math  
RB — Walker Carlisle — PDL C-110 — walkernc@math  
Text: *Calculus, Early Transcendentals* by James Stewart (Fifth Edition).

**Course Web Page.** Information about the course is available at the course web page. You should check it frequently during the quarter. The URL is http://www.math.washington.edu/~perkins/124RAut06

A lot of useful material, including all the homework assignments as well as quizzes and exams from previous quarters, is available the Math 124 Materials web site. The URL is http://www.math.washington.edu/~m124

**Office Hours.** My office hours will be held in the Math Study Center, in the basement of the Communications Building.  
**Tuesday 11:30 – 12:30 & Wednesday, 10:30 – 11:30**

**Grades** will be based on total points earned. There are 320 possible points:  
**Worksheets—20**  
**Homework—50**  
**Quizzes—50**  
**2 Midterms—50 points each**  
**Final—100**

**Homework** will be assigned daily, see the syllabus on the reverse of this sheet. You are responsible for all the problems assigned (i.e.: any of it could appear on the exams). All the homework assignments are available on-line at the Math 124 Materials Website (see above). Some of the problems are chosen from the book and some of them were written at the UW. Each Thursday you will hand in the problems assigned the preceding week. Each assignment is worth 10 points. Two of the problems will be chosen at random to grade and they will be worth 3 points each. You will also receive up to 4 points for completeness. The lowest weekly homework score will be dropped. No late homework will be accepted.

**Quizzes.** There will be a 20 minute quiz every Thursday, except for the weeks of the exams. These will usually cover the homework from the preceding week. They will be very similar to the homework problems. The TA’s will grade them and return them to you. A scientific calculator will be useful. The quizzes are closed book/closed notes and you **cannot** use a graphing calculator. There are no make up quizzes, but I do drop your lowest quiz score.

**Quiz section.** On Tuesdays and Thursdays you will meet with a Teaching Assistant in a smaller group. This gives you a chance to get more help with your homework. On Tuesdays you will meet for 80 minutes and there will be a worksheet that you can work on while the TA circulates and answers questions. Most weeks there will be a quiz on Thursday. You will hand in homework on Thursdays to your TA and they will return it to you, probably a week later. The midterm exams will be held in Quiz Section.

**The midterm exams.** There will be 2 midterm exams. They will be given on the dates listed in the syllabus (see reverse). They will be given on Tuesdays in Quiz Section. They are meant to take 50 minutes but you can use the whole 80 minutes. You must bring a **Photo ID** to all exams.

**The final exam** will take place on Saturday, December 9. Note that this is not the date given in the University exam schedule. Time and location will be announced later in the quarter.

**Rules for taking exams.**

- You are allowed to use one handwritten \(8\frac{1}{2} \times 11\) sheet of notes.
- Graphing calculators will **not** be allowed. A scientific calculator will be useful and is allowed.
- There are no make-up exams. If you have a **compelling and well-documented** reason for missing a test, speak to the professor about it.
The Course
This course is an introduction to differential calculus. We will talk about functions and their
derivatives, as well as related ideas like limits and continuity. In addition to the usual facts about
derivatives, like the product rule and the chain rule, we will spend quite a bit of time talking about
applications. This means the homework will involve a lot of story problems, particularly later on
in the quarter. If you want a good grade in this class, you should expect to spend about 12 hours
a week on homework.

Syllabus

<table>
<thead>
<tr>
<th>Week</th>
<th>Section</th>
<th>Homework</th>
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<tbody>
<tr>
<td>1</td>
<td>1.2</td>
<td>Apdx. D 1.3</td>
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<td>2</td>
<td>1.5</td>
<td>1.6 10.1 2.1 2.2</td>
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<td>4</td>
<td>2.8</td>
<td>2.9 3.1 3.2</td>
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<tr>
<td>5</td>
<td>Review</td>
<td>MIDTERM #1 Tuesday, October 24; In TA section; bring photo ID. 3.4 3.5</td>
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<td>6</td>
<td>3.5 (cont.)</td>
<td>3.6 3.7</td>
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<td>7</td>
<td>3.8</td>
<td>3.10 3.11</td>
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<td>8</td>
<td>3.11 (cont.)</td>
<td>4.1 4.3</td>
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<tr>
<td>9</td>
<td>Review</td>
<td>MIDTERM #2 Tuesday, November 21; In TA section; bring photo ID. 4.3 (cont.)</td>
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<td>10</td>
<td>4.4</td>
<td>4.5 4.7</td>
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<tr>
<td>11</td>
<td>4.7 (cont.)</td>
<td>REVIEW</td>
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<td>FINAL EXAM Saturday, December 9; bring photo ID.</td>
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