Course Description
Develop an understanding of limits, continuity, derivatives and applications of derivatives. Students will communicate their results in oral and written form. Graphing calculator required; TI 89, TI 92 Plus or Voyage 200 recommended. Prerequisites: MTH 112 or CMET 131; and their prerequisite requirements. Students must also register for a MTH 251 lab section.

Required Materials
- PCC MTH 251 Lab Manual (can be downloaded via my website)
- A Graphics Calculator is Required
- Ruler and colored writing utensils for graphs

Lecture Attendance Policy
While attendance is not required (except on test days 😊), attendance is required if you want to know what goes on during any given day - i.e. Simonds will not provide personal lectures nor will he serve as a personal messaging service for students who miss a class. It is in the student’s best interest to attend every class period; the attendance points are my way of further encouraging attendance. It is also in the student’s best interest to make buddies in class that he/she can pump for info should he/she unavoidably have to miss a class. 😊

Lab Grade Policy
Your attendance and participation will determine your lab score. If you miss your scheduled lab you can get attendance credit by attending a different lab section the same week.

Testing Policy
No make-up tests will be given without arrangements made prior to the scheduled test time.

Graded Homework Policy
Graded Homework is due at 5:30 pm, on the date indicated on the assignment. Assignments that are not in by the time I start lecture will receive an automatic 20% point deduction. Assignments will not be accepted after 6:00 pm on the date they are due. Neither of these late policies is negotiable. Assignments may be FAXED or sent as an MS Word attachment. Graded Homework assignments are distributed in lab but are collected in lecture. The practice problems listed on the course schedule are never collected. The primary purpose of graded homework is for you to get feedback before taking a test. If you just copy someone else’s homework or if you ask a tutor to work the problems for you the assignments lose all of their intrinsic value and you will probably pay a price when you take your test.
More Information on your grade in the course
All work in this class is evaluated for presentation, process, and mathematical correctness. Examples in class always follow formats that will earn you full credit provided that your mathematics is totally correct. Examples typed into the labs always follow formats that will earn you full credit provided that your mathematics is totally correct. If you take complete and accurate notes then your notes serve as a guidebook for how your work should be presented and for what amount of work you are expected to show.
I know that each and every student in my classes is capable of presenting work in a manner appropriate to a 200 level mathematics course - that is why I hold students accountable for this.
Remember - it doesn’t take 100% to earn an A.

Important dates
Beginning winter term 2010, all grade option changes (other than audit) need to be processed by the student via MyPCC; that is, the instructor will play no role in the change what-so-ever.

In anticipation of that event, I will be strictly adhering to grade change deadlines this term. With that in mind, you need to be aware of the following deadlines.

<table>
<thead>
<tr>
<th>Table 1: Graded Activities</th>
<th>Activity</th>
<th>Possible Points</th>
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</thead>
<tbody>
<tr>
<td>Test 1</td>
<td>100 points</td>
<td></td>
</tr>
<tr>
<td>Test 2</td>
<td>100 points</td>
<td></td>
</tr>
<tr>
<td>Test 3</td>
<td>100 points</td>
<td></td>
</tr>
<tr>
<td>Final Exam</td>
<td>150 Points</td>
<td></td>
</tr>
<tr>
<td>Lab Attendance</td>
<td>50 points</td>
<td></td>
</tr>
<tr>
<td>Graded Homework</td>
<td>100 Points</td>
<td></td>
</tr>
<tr>
<td>Head Start</td>
<td>(12 points)</td>
<td></td>
</tr>
<tr>
<td>Total Points Possible</td>
<td>600 Points</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Table 2: Grade Requirements</th>
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</thead>
<tbody>
<tr>
<td>Grade</td>
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<tr>
<td>-------</td>
</tr>
<tr>
<td>A</td>
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<tr>
<td>B</td>
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<tr>
<td>C</td>
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<tr>
<td>D</td>
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<tr>
<td>P</td>
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<table>
<thead>
<tr>
<th>Table 3: Grading option changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change</td>
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<tr>
<td>Drop class with no charge/grade</td>
</tr>
<tr>
<td>Drop class with no grade</td>
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<tr>
<td>Withdraw and receive a W</td>
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<tr>
<td>Change grading option to Audit</td>
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<tr>
<td>Change grading option to P/NP</td>
</tr>
</tbody>
</table>

Please note that the default grading option is A, B, C, D, F
Email communications

Because of federal privacy laws, all email communications related to this class need to be sent from and to your PCC email address. You may access your PCC email via MyPCC. Please visit me during my office hours if you are unfamiliar with MyPCC.

PCC’s policies on discrimination and harassment

The College’s goal is to provide an atmosphere that encourages individuals to realize their potential. Therefore, it is against the College’s policy for any manager, supervisor, faculty, staff, or student to engage in harassment or discrimination of any member of the College community based on his/her race, color, religion, ethnicity, use of native language, national origin, age, sex, marital status, height/weight ratio, disability, or sexual orientation.

For more information and/or if you feel these policies have been violated please visit:

http://www.pcc.edu/about/affirmative-action/nonharassment.html

Resources For Students:

• Computer Resource Center (SY CC 206, 503-977-4325)
  - internet access, mathematics computer programs

  Among other services, if you go through the CRC orientation you will receive credit for $25 worth of printing. For more information visit: www.pcc.edu/sycrclab/orientation/

• Multicultural Center (SY CC 202, 503-977-4112)
  - one-on-one help for math courses, drop-in or by appointment

• Student Success Center (SY CC 204, 503-977-4540)
  - tutors, computer-based tutoring, self-paced math courses, drop-in basis

  The Sylvania Student Success Center hours fall term are:

  MTWTh: 9 am - 8 pm     Fri: 9 am - 3 pm     Sat: 10 am - 3 pm
  (Friday and Saturday hours don’t begin until week 2.)

  You may also visit any of the other campus tutoring centers. Information is available at: www.pcc.edu/resources/tutoring/

  There is also on-line tutoring available for several subjects, including math. Information is also available at: www.pcc.edu/resources/tutoring/
| Week of | Lecture Activities | Lab Activities | After Class Work These Problems (For practice only!!) Do not turn these in!!!!!
|---------|-------------------|----------------|-----------------------------------------------------------------------------------|
| Sep 21  | Textbook Sections 2.1, 2.2, 2.5 | Limits and Continuity Activities 1-8 | TB: 2.1: 5, 7  
2.2: 1-5 odd, 17-23 odd  
2.5: 1, 3  
LM: "to the student," E1.1, E1.7, E1.8 |
| Sep 28  | Textbook Sections 2.3-2.5 | Limits and Continuity Activities 9-20 | TB: 2.2: 13, 15  
2.3: 9-25 odd  
2.4: 1-7 odd, 15, 17, 25, 33, 35, 37a, 37b  
2.5: 5-9 odd, 15-41 odd, 47, 51  
LM: E1.2-E1.6 |
| Oct 5   | Textbook Sections 2.1, 2.6 | Intro to First Derivative Activities 21-27 | TB: 2.1: 3-7 odd  
2.6: 1-39 odd  
2.7: 19-29 odd  
LM: E2 - all |
| Oct 12  | Textbook Sections 2.7, 2.8  
Test 1 on Monday  
(limit law sheet provided) | Functions, Derivatives, AntiDs Activities 28-31 | TB: 2.7: 1-13 odd, 35-45 odd  
LM: E3.1, E3.2, E3.5, E3.7, and E3.8 |
| Oct 19  | Textbook Sections 2.7, 2.8 | Functions, Derivatives, AntiDs Activities 32-33 | TB: 2.8: 1-29 odd  
LM: E3.3, E3.4, E3.6, E3.9, and E3.10 |
| Oct 26  | Textbook Sections 3.1-3.3 | Derivative Formulas Activities 34-44 | TB: 3.1: 3-43 odd  
3.2: 3-33 odd, 43, 45, 47  
3.3: 1-13 odd  
LM: E4 - all |
| Nov 2   | Textbook Sections 3.4,3.6,3.7  
Test 2 on Monday  
(derivative formulas provided) | The Chain Rule Activities 45-48 | TB: 3.4: 1-63 odd  
LM: E5 - all |
| Nov 9   | Textbook Sections 3.5  
PCC is closed on Wednesday | Implicit Differentiation Activities 49-50 | TB: 3.5: 1-27 odd  
3.6: 1-33 odd  
3.7: 3-23 odd, 33-43 odd  
LM: E6 - all |
| Nov 16  | Textbook Sections 4.1 | Related Rates Activities 51-54 | TB: 4.1: 1-33 odd  
LM: E7 - all |
| Nov 23  | Textbook Sections 4.2, 4.3  
Test 3 on Monday  
(100% memory based test) | Critical Numbers and Graphing Activities 55-60 | TB: 4.2: 23-37 odd  
LM: E8.1-E8.3 |
| Nov 30  | Textbook Sections 4.2, 4.3 | Critical Numbers and Graphing Activities 55-60 | TB: 4.3: 5-15 odd, 21-31 odd  
LM: E8.4-E8.5 |
| Dec 7   | Final Exam: Monday, December 7, 5:30 pm – 8:30 pm  
(100% memory based exam) | | |