Math 170 * Calculus I * Spring 2015

Sections 01 & 02 lecture M, W, F at 8:30 in Ren 126
Sections 03 & 04 lecture M, W, F at 10:30 in Ren 112

Note that after a passing grade in Math 160, this course carries only 2 credits.

Course Prerequisites: Math 143 (with a grade of C or better) and Math 144 (concurrent enrollment in Math 144 is allowed although it is recommended that students complete Math 144 before enrolling in Math 170); or demonstrated proficiency through a sufficiently high score on the ACT, SAT, or COMPASS tests.

Instructor: Judi Terrio  
Office: Brink Hall, Basement South, B5  
email: judit@uidaho.edu  
Office Phone: (208) 885-4041

Office hours: Mon & Wed 1:30 – 3:00  
Homework help is also available in the Polya’s calculus room.  
See the course web site for more information.

Course web site: http://www.sci.uidaho.edu/math170  
Other web sites are linked from here.

Recitation Instructors  
Shannon Foss foss4434@vandals.uidaho.edu  
Section 01 T 8:00 – 8:50 AM in TLC 32  
Section 02 T 9:30 – 10:20 AM in TLC 44

John Pawlina jpawlina@uidaho.edu  
Section 03 T 11:00 – 11:50 AM in TLC 32  
Section 04 T 12:30 – 1:20 PM in TLC 41

Learning Objectives – Objectives will be assessed via homework, quizzes and tests.  
Upon successful competition of the course, the student will

- Have a conceptual understanding of the basic notions of calculus – limit, derivative, and integral – and be able to interpret these appropriately in graphical settings.
- Be able to use standard techniques to compute limits, derivatives, and integrals, particularly the differentiation rules and the technique of integration by substitution.
- Understand the definition of the derivative as a limit of difference quotients, and also the definition of the definite integral as a limit of Riemann sums.
- Be able to apply derivatives and integrals appropriately in application problems to compute rates of change, areas, and volumes.

Sample Assignment: Area, section 6.2 #5, 7, 11, 13, 17, 29, 33, and 35

Required:
2. MyMathLab is an on-line homework application. You will be using this to do some of the homework.

Calculators will not be allowed on quizzes or tests. In order to complete homework you will need a calculator that does exponentials and logarithms and you may use whatever calculator you like.

Any work which is collected must be done in pencil. See the course web site for more details about collected homework procedures.

Attendance - Regular attendance is crucial for success. I will take attendance every day. Unless previous arrangements are made, you are expected to arrive on time and stay for the whole class. You will be allowed 5 unexcused absences. More than 5 unexcused absences will result in an automatic F for the course. Note that sleeping, texting or otherwise not paying attention will cost you an unexcused absence. Also, your laptops should not be open unless I am doing computer work at the front and you are following along. Make sure you save a couple of “freebies” for the stressful, end-of-semester busyness.
Homework – Homework will consist of 3 types:
  a. On-line homework – The due dates will be posted on MyMathLab. A few of these will be dropped to accommodate technological problems.
  b. Written homework – these assignments are posted on the course website. The written homework will be graded, not only on correctness, but on using correct mathematical notation. See the course website for more information on written homework requirements. See the schedule for due dates.
  c. Most of the UI modules have worksheets with them so you can check your understanding of the topics presented. The answers to most of these worksheets are also posted. These worksheets will not be collected, nor graded. However, they are an integral part of this course. You are responsible for the material presented in the modules, even if something is not discussed in class. Therefore, it’s crucial that you do these worksheets and get help when needed. The material will be tested in homework, quizzes, and tests.

It is absolutely essential for your learning in this class and your retention for future classes that you do all the homework.

Math is not a spectator sport!

Quizzes – The quizzes will contain identical or near-identical homework/module problems. These quizzes will be given during the recitation meetings. See the schedule for the exact dates.

Tests – There will be four unit tests worth 100 points each. See the schedule for the exact dates. Test outlines will be posted on the course web site.

There will be no homework extensions or make-up quizzes and tests given without an excused absence. You must contact me ASAP to reschedule if you are ill on a test day. Except for extreme circumstances, make-ups must be completed within one week.

An excused absence will result from a verifiable illness (you or your immediate family), family emergency (verifiable by the dean of your college), class or sports team sponsored trip (verifiable by the coach or professor in charge), or a required court appearance (verifiable by an officer of the court.) Regular, non-emergency, dental and doctor check-ups should be scheduled at a time when you are not in class. (see the UI Catalog, section M)

The common final exam will be on Tuesday, May 12th, 7 – 9 p.m.
  o It is department policy that no student shall pass the course without taking the final exam.
  o Conflict requests must be made ASAP. Travel arrangements do not constitute a conflict. Documentation of any conflict is required.

Grades –

Grades will be based on:

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<thead>
<tr>
<th>Component</th>
<th>Points</th>
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<tbody>
<tr>
<td>Exams</td>
<td>400</td>
</tr>
<tr>
<td>On-line Homework</td>
<td>100</td>
</tr>
<tr>
<td>Written Homework/ quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Comprehensive Final Exam</td>
<td>200</td>
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<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>800</strong></td>
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Grades will be assigned according to the standard 90 – 80 – 70 – 60% scale.

Special Needs: Disability Support Services Reasonable Accommodations Statement:
Reasonable accommodations are available for students who have documented temporary or permanent disabilities. All accommodations must be approved through Disability Support Services located in the Idaho Commons Building, Room 306 in order to notify your instructor(s) as soon as possible regarding accommodation(s) needed for the course.

- 885-6307
- email at <dss@uidaho.edu>
- website at <www.access.uidaho.edu>