Instructor. Alan R. Hausrath  
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Fax: 426-1356  
Office Hours: TuTh 4:40–5:30 p.m. & by appointment

Course Website. The course has a Blackboard site which can be accessed at http://blackboard.boisestate.edu/webapps/login. I will use Blackboard primarily to post announcements and grades; course materials will be posted at the course website which can be found at http://math.boisestate.edu/~hausrat/M170/m170.html.

Important Dates.  
January 25: Last date to do ALEKS assessment  
Last Date to Withdraw: Monday, March 1  
Exam Dates: Thursdays February 18 and April 22  
Homework Quiz Dates: Thursdays February 4, March 4 & 18, and April 8  
Spring Vacation: Mon.-Fri., March 29–April 2  
Final Examination: 6:00–8:00 p.m. Tuesday, May 11

Learning Objectives. The learning objectives for MATH 170 appear in the department generic syllabus which can be found at http://math.boisestate.edu/degrees/m170.shtml.

Core Outcomes. In this class you will be assessed on a wide range of skills. Among these are five particular items that make Math 170 a part of the University Core. By the end of this course you should be able to:

1. Analyze a word problem for relevant information; identify and set up a strategy for its solution.
2. Compute rate of change and total change using graphical or numerical data.
3. Express solutions in correct (or nearly correct) mathematical exposition.
4. Know that derivatives measure rate of change.
5. Recognize when integration is required and correctly apply it.

Text. University Calculus, Joel Hass, Maurice D. Weir, and George B. Thomas, Pearson Education, Inc., 2007. (“Part One” is sufficient if your degree program does not require MATH 275, Multivariable Calculus.)
**Approximate Schedule.**  
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Classes</th>
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</thead>
<tbody>
<tr>
<td>Chapter 1</td>
<td>1 class</td>
</tr>
<tr>
<td>Chapter 2</td>
<td>6 classes</td>
</tr>
<tr>
<td>Chapter 3</td>
<td>10 classes</td>
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<tr>
<td>Chapter 4</td>
<td>7 classes</td>
</tr>
<tr>
<td>Chapter 5</td>
<td>5 classes</td>
</tr>
<tr>
<td>Review</td>
<td>any remaining time</td>
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</tbody>
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**Important Warning.** Calculus is a difficult, but not impossible, course that takes quite a bit of time. You should plan to spend 8-12 hours outside class on homework and study; i.e., this course is equivalent to a half-time job! It is also different from any mathematics course that you have taken before. Most high school courses and many lower level college courses attempt to answer the question “how?” (*how* do you factor a polynomial?, etc.) In addition to asking “how?”, our course will also ask “why?” (*why* do we carry out this calculation to find the area below a curve?)

**Exam Policy.** Two hour exams will be given during the course of the semester on February 18 and April 22. These exams must be taken on or before the date they are given in class; *I am very reluctant to give make-up exams*. The lower score of the two will be weighted less than the higher score in calculating your course grade.

**Homework Policy.** Homework will be assigned and evaluated in one of two ways. From time to time, I will pick up and mark a few particularly interesting problems and I will give open book/open note homework quizzes on previously assigned problems on the following Thursdays: February 4, March 4, March 18, and April 8.

I will post approximately biweekly schedules detailing all assignments. This will enable you to plan your time for this course.

**Absences.** I am occasionally asked to “excuse” absences, which I am happy to do. However, even if you are excused from attending class, you are still responsible for turning in on time any homework due that day if you wish credit, you are still responsible for material covered that day, and there is no way to earn credit for any test or quiz which might occur that day.

**Cell Phone Policy.** With the exception of calculators, all electronic devices should be turned off and stowed away during class time.

**Final Exam.** A comprehensive final exam will be given in room ILC 204 at 6:00-8:00 p.m. on Tuesday, May 11. The date and the time of the final exam are non-negotiable; failure to take the final exam will result in failure of the course. DO NOT MAKE RESERVATIONS TO LEAVE BOISE BEFORE MAY 12.
Grading Policy. There are 400 points available in the course which can be earned in the following ways: the better of your two exams—up to 100 points, one half of the lesser of your two exams—up to 50 points, homework quizzes and marked problems—up to 50 points, and the final exam—up to 200 points. I will then use more or less standard cut-offs: 90% for A, 80% for B, 65% for C, 60% for D, and less than 60% for F. I may curve slightly in your favor if the score distribution warrants. I will not use cut-offs higher than the above. Plus/minus grades might be used if your final percentage falls near the top or bottom of one of a grade ranges. After all grades are computed a full letter grade penalty will be imposed for failure to complete the ALEKS assessment with a 70% score or better before the deadline of January 25.