

# CALCULUS I

Fall 2006 TuTh 5:10-7:00 p.m. TMCB 136

<b>Professor:</b>	Vladimir Solovjov, 131,133 CB, 422-3051, <a href="mailto:vps@et.byu.edu">vps@et.byu.edu</a>								
<b>Office Hours:</b>	TuTh TMCB 136 (after class); TBD in 131,133 CB or by appointment								
<b>Text:</b>	<p>Garner CALCULUS (Fifth Edition) Chapters 1-6</p> <p>The text is a custom edition of the author's manuscript and contains a few typographic and other errors. Corrections will be posted periodically. If you find an error that the author has not discovered, you will win a candy bar for bringing it to his attention!</p> <p><a href="http://www.math.byu.edu/~lynng/">http://www.math.byu.edu/~lynng/</a> (click on errata)</p>								
<b>Pretest:</b>	<p>Successful completion of Math 112 requires a solid background in both College Algebra and Trigonometry. Students are required to take a pretest on these topics. The pretest is available online at <a href="https://math.byu.edu/~placement/pretest">https://math.byu.edu/~placement/pretest</a></p> <p>There is a website where you can find sample questions for the pretest. It will help you know what you need to review. A pretest review can be found at the site: <a href="http://www.math.byu.edu/Exams/indexCalculus.html">http://www.math.byu.edu/Exams/indexCalculus.html</a></p> <p>The pretest will be available up to <b>September 15</b>. You must be registered in a Calculus course to take it. You are allowed 2 chances to pass. If your score is below 75% then you do not have the necessary skills to succeed in Calculus. Talk to your instructor about your options, and what you can do to better prepare yourself.</p>								
<b>Homework:</b>	<p>Homework is assigned daily and is due the next class period.</p> <p>Assignments will be given in the class or can be found on the website: <a href="http://www.et.byu.edu/~vps/MATH112.html">http://www.et.byu.edu/~vps/MATH112.html</a></p> <p>Late homework will be checked only of some legitimate reason (illness, etc.)</p> <p>There is no grader in this class, therefore checking of homework will be only partial.</p> <p>Each homework will be graded out of 100 points.</p> <p>The BYU Catalog states: "The expectation for undergraduate courses is three hours work per week per credit hour for the average student who is appropriately prepared, much more time may be required to achieve excellence." You should plan your study time for this course accordingly.</p> <p><b>Do not limit yourself to assigned homework!</b></p>								
<b>Quizzes:</b>	There will be group-quizzes (2 students) based on homework (no make-up)								
<b>Tests:</b>	<p>there will be 4 one-hour tests taken in the classroom (closed book, no calculator)</p> <table> <tr> <td>test 1</td><td>September 28</td></tr> <tr> <td>test 2</td><td>October 17</td></tr> <tr> <td>test 3</td><td>November 7</td></tr> <tr> <td>test 4</td><td>December 12</td></tr> </table>	test 1	September 28	test 2	October 17	test 3	November 7	test 4	December 12
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<b>Final Examination:</b>	<p>A common final exam is given to all students in all sections of Math112. This assists the Mathematics Department to fairly assess students' knowledge of calculus and to assign grades fairly. The percentile ranking of each student relative to all students in all sections will be computed based on the final scores. Using this information the Calculus Committee will compute an average grade for each section. It is department policy that the average grade for each section should match its average grade on the common final exam.</p> <p>This test contains a multiple choice and a written part. The instructors are not involved in preparing this test. The final is comprehensive and covers the material in the syllabus.</p>								

**Grading:**

homework	10%	4 tests	40%
quizzes	10%	final	40%

Your scores for homework, quizzes, tests, and final exam will be added and averaged, and letter grades will be assigned **approximately** as follows:

A- to A: 90-100% B- to B+: 80-89% C- to C+: 50-79% D- to D+: 20-49% E: <20%

Your performance on the final exam will be used in comparison with the entire department to predict a GPA for your section, and the actual grades given will result in a section GPA that matches the predicted GPA. The better your section performs on the final exam, the more flexibility your instructor will have to give you a higher grade.

**A common final exam and grades:** A common final exam is given to all students in all sections of Math 112 and similarly in Math 113. This assists the Mathematics Department to fairly assess students' knowledge of calculus and to assign grades fairly. The percentile ranking of each student relative to all students in all sections will be computed based on the final exam scores. Using this information the Calculus Committee will compute an average grade for each section. It is department policy that the average grade for each section should match its average grade on the common final exam. The curve predicts that a typical or average section of calculus will have a GPA of about 2.6 or 2.7, but some sections perform at higher or lower levels. Fairness dictates that this must be considered in assigning grades. No calculators, books, or notes will be permitted during the final exam.

**Technology:**

In this course you will need either a graphing calculator or access to a computer application such as Maple (available on Access Point Lab machines on campus). The technology may be used on homework. **On the departmental final no technology will be allowed.** It tests on material that you must know how to do "by hand" anyway. It is assumed that you know how to operate the technology; some instruction will be distributed. While many problems can be solved with the aid of technology, and some cannot be solved without it, technology is not always helpful; whether it will help with any particular problem, you must determine.

You are also encouraged to take advantage of the Math Lab in TMCB150.  
***Tutors are available.***

**The Fine Print:**

Here are some statements included at the suggestion of the University that inform you of some of your legal rights and responsibilities relative to this class.

***Honor Code Standards*** In keeping with the principles of the BYU Honor Code, students are expected to be honest in all of their academic work. Academic honesty means, most fundamentally, that any work you present as your own must in fact **be** your own work and not that of another. Violations of this principle may result in a failing grade in the course and additional disciplinary action by the university. Students are also expected to adhere to the Dress and Grooming Standards. Adherence demonstrates respect for yourself and others and ensures an effective learning and working environment. It is the university's expectation, and my own expectation in class, that each student will abide by all Honor Code standards. Please call the Honor Code Office at 422-2847 if you have questions about those standards.

***Preventing Sexual Discrimination or Harassment*** BYU's policy against sexual harassment extends not only to employees of the university but to students as well. If you encounter sexual harassment, gender-based discrimination, or other inappropriate behavior, please talk to your professor, contact the Equal Employment Office at 422-5895, or contact the Honor Code Office at 422-2847.

***Students with Disabilities*** BYU is committed to providing reasonable accommodation to qualified persons with disabilities. If you have any disability that may adversely affect your success in this course, please contact the Services for Students with Disabilities Office (1520 WSC) at 422-2767. Services deemed appropriate will be coordinated with the student and instructor by that office.