MATH 112 - WINTER 2003

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1. TEXT

Garner, *Calculus*, Chapters 1-5. This text is a custom edition of the author's manuscript and contains a few typographic and other errors. Corrections will be posted periodically at `http://math.byu.edu/~lynng` (click on the errata link).

2. INSTRUCTOR

The instructor is Jason Grout, 300 TMCB, 422-3681, grout@math.byu.edu. Office hours will be held daily during 4pm-5pm. Other times are available by appointment.

The website address for this section is `http://math.byu.edu/~grout/mth112`. A tentative schedule will be posted at the course website.

3. PRE-TEST

In order to be enrolled in Math 112 you must pass a pre-test on basic algebra skills. It is given in the Mathlab on January 3 and 6 and will be available in the Testing Center beginning the second day of classes. You are allowed 3 attempts to pass the exam. If you do not pass the pre-test with a score of 75% by Thursday, January 16 you will be automatically dropped from the course. Any exceptions to this deadline must be approved by all four members of the Calculus Committee; in that event, the passing score would be 90%.

4. PREPARATION TIME

Adequately prepared students should expect to spend a minimum of three hours of work for each credit hour. This adds up to a minimum of 12 hours per week for math 112. A minimal time commitment is likely to lead to an average grade B-/C+ or lower. Much more time may be required to achieve excellence.

5. COURSEWORK

5.1. Homework. Homework is due at the beginning of class two school days after it was assigned. For instance, Monday's assignment is due Wednesday, Thursday's is due Monday, and Friday's is due Tuesday. Late homework will not be accepted.

The lowest four homework scores will not be figured into your final grade. This accommodates for minor illnesses or other disruptions to your regular schedule that might prevent you from turning an assignment in on time.

The style of your written solutions should be very much like that of a text book example; solutions should contain enough explanation so that one of your classmates would be able to easily understand what you have done. Generally, it is inadequate to merely write down a final answer. You are strongly encouraged to study together and work together on homework assignments. However, each of you must submit your own assignment. Everything you turn in should be in your own words and you should thoroughly understand everything you write down. The homework grader will only grade selected exercises. Therefore it is important for you to solve each one.

In submitting homework, use only one side of standard letter-sized paper. Put your name at the top of each sheet, and staple all sheets together. Keep the problems in order, and label each problem with its number and page. Place only one problem in each horizontal visual space, and visually separate separate consecutive problems by drawing a line between them. Clearly mark your answers.

5.2. **Journals.** After we have covered a section in class, and you have worked through homework problems, close the book and record the main concepts from the section in your own words. While we encourage you to help each other learn the material, your journal is to be your personal record of your understanding. Only record things you know and understand. The format is up to you to decide. Things to include are statements of important theorems, how to use important concepts, and your own examples and illustrations. You might also include any other things you have learned in studying the material, or other applications you have observed. After recording these things, check your work with your book and homework and correct any errors.

Journals are due at the start of class on Fridays, and are to cover material up through that Wednesday. Grades for journals take into account completeness of material covered, as well as clarity and precision in explaining the material.

5.3. **Quizzes.** You are expected to read sections in the book before they are covered in class. Prior to a section being covered in class, a reading assignment will be given. Before the class in which the material is covered, you are to take an online, closed-book reading quiz, accessible via the course website. The quiz is designed to be straightforward if you have completed the assigned reading.

Occasionally, other quizzes may be given, which will be averaged into the reading quiz scores.

6. Tests

There will be five tests throughout the semester. They will be given approximately every two weeks, and will be available in the testing center.

7. Final

A common final exam is given to all students in all sections of Math 112. 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. No calculators, books, or notes will be permitted during the final exam.

8. Grading

It is department policy that the average grade for each section should match its average grade on the common final exam. Thus, the better the whole section performs on the final, the more flexibility the instructor has to give you a higher grade.

The grading percentages are summarized below.

Component	Percentage
Homework	15%
Journals	10%
Quizzes	10%
Tests	40%
Final	25%

9. University Policies

9.1. **Honor Code.** All students are expected to adhere to the honor code, including dress and grooming standards.

9.2. **Preventing Sexual 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 422-28447

9.3. **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 at 422-2767. Services deemed appropriate will be coordinated with the student and instructor by that office.