Math 119
Introduction to Calculus
Winter Semester 2009

Professor: Erin Chamberlain **Sections: 13, 14, 15, 16, 17, 18**
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Text: *Calculus with Applications, 9th Edition*, Lial-Greenwell-Ritchey, Pearson Addison-Wesley, 2008

Week #	Date	Sections	Comments
1	Jan 5 – Jan 9	13.1 and 3.1	The TA's will review Chapters 1-2
2	Jan 12 – Jan 16	3.2 , 3.3, 3.4	Fri Jan 16 Add/Drop Deadline.
3	Jan 19 – Jan 23	4.1- 4.2, 4.3	Monday, Jan 19: Martin Luther King Holiday
4	Jan 26 – Jan 30	4.4-4.5, 13.2, Review	**1st Midterm** Testing Center Jan 30 – Feb 3. Late fee on Tue Feb 3
5	Feb 2 – Feb 6	5.1-5.2, 5.3, 5.4	
6	Feb 9 – Feb 13	6.1, 6.2, 12.3	Monday Feb 9 Withdraw Deadline
7	Feb 16 – Feb 20	6.4, 12.1 and 12.4, Review	**2nd Midterm** Testing Center Feb 20 – Feb 24. Late fee on Tue Feb 24 Monday, February 16: Presidents Day Holiday Tuesday, February 17: Monday Instruction
8	Feb 23 – Feb 27	7.1, 7.2, 7.3	
9	Mar 2 – Mar 6	7.4-7.5, 8.1, 13.3	
10	Mar 9 – Mar 13	8.4,8.2, Review	**3rd Midterm** Testing Ctr. Mar 13 – Mar 17. Late fee on Tue Mar 17
11	Mar 16 – Mar 20	9.1, 9.2, 9.3	
12	Mar 23 – Mar 27	9.4, 9.6, 10.1	
13	Mar 30 – Apr 3	10.2, 10.4, Review	**4th Midterm** Testing Ctr. Apr 3 – Apr 7. Late fee on Tue Apr 7
14	Apr 6 – Apr 10	11.1, 11.2, 11.3	
15	Apr 13 – Apr 17	Review Wed, Thu Reading	**Reading Days Apr 15-16**
16	Apr 20 – Apr 24	Week of Final Exams	**Final Exam Days** Testing Center **Fri Apr 17 – Wed Apr 22**

Objectives: To provide first year undergraduate students a first exposure to Calculus concepts, theorems, and techniques. In general, theorems will not be proved. However, an understanding of them and its applications to solve calculus problems will be taught. Students will be expected to develop effective problem solving skills based on their understanding of the theory and not just by memorizing a set of routines to solve the problems.

I believe that my role as your instructor is to help and assist you in the process of learning mathematics. I will do my best to fulfill this role. I know that we will enjoy this class as we go along by making a consistent effort throughout the semester. **My best advice to you is found in D&C 4:2 replacing the first line by …. O ye that embark in Math 119, see that ye work with all ….**

Pretest: We have a (required) pretest to help you decide if you are adequately prepared to take calculus. The pretest and a review for it can be found at the site http://mathonline.byu.edu. Log in with your Route-Y id and password. Click on Pretests and placement exams. Scroll down to your Math 119 section. The review is one link, and the exam the other. Take care to select the 119 exam – not 112 or 110.

When you take the pretest, you will notice at the bottom of the page a "save without submitting" button. Select this after each answer. If you lose your internet connection, you can come back and finish the quiz later. Select "submit all" when you are done with the exam.

You must finish the pretest by Saturday, January 19 at 11:00 pm. You are allowed 2 chances to pass. If your score is below 75% then you are not prepared for calculus. Talk to me or the TA about your options, and what you can do to better prepare yourself.

The pretest will be worth the equivalent of 1 quiz.

Homework: Homework corresponding to the previous week will be collected at the beginning of the class on Thursday of the following week. You are strongly encouraged to work on homework problems everyday. You should be willing to put in at least two to three hours outside the classroom for each hour of class. A lower time commitment is likely to lead to an average grade B-/C+ or lower. To achieve excellence, students may need to invest even more hours. Solutions to exercises should be clearly written and adequately explained. In other words, it is insufficient to just write down the answer.

Late homework will not be accepted. To make up for unexpected disruptions to your regular schedule, your two lowest homework grades will be dropped. Discussion of homework assignments is allowed, but you should keep in mind that **homework is an individual work**.

Homework Format (PLEASE ADHERE TO THE FOLLOWING HOMEWORK FORMAT): Use one side only of standard letter-sized paper. Put your name at the top of each sheet. Keep problems in order, and label each problem with its number and page. Place only one problem in any horizontal space; visually separate consecutive problems by drawing a line between them entirely across the page. If the problem has a numerical answer, highlight it in some way. If the answer to a problem involves a sequence of logical steps, set them clearly. Use correct grammar and complete sentences.

To submit homework, stack the sheets in order and fold the stack lengthwise to form a "book" with the back of the last sheet on the outside. On the front of the "book," write your name, your Math 119 section, and the section of the text from which these problems are taken. Each homework set should contain problems from only one section of the text. Homework will be graded based on completion. Incomplete homework will receive partial credit according to the amount of problems worked out.

Labs or Problem sessions: The recitation sections on Tuesdays and Thursdays are designed to help you better understand the material covered in the lectures. You will learn much more if you try to do the day's homework assignment before the recitation session. This time will be used for problem sessions and weekly quizzes.

Quizzes: There will be weekly quizzes each Tuesday. These will be short tests of the material from the homework. The lowest quiz score will not be figured into your grade.

Exams: The Midterms and Final Exams are Departmental exams. The Midterm exams will cover all of the material up until the previous Wednesday. The final exam will be comprehensive. The Midterm and Final exams will be given in the testing center according to the above schedule. We expect that most students will finish the midterm exams in about two and half hours. However, there is not a time limit for the exams. Only the testing center basic scientific calculators will be allowed in all exams. No books and no other notes will be allowed. The final exams will be curved among all Math 119 Sections. Make up exams and quizzes cannot be arranged except in case of an emergency or absence due to official university business. **Exam and quiz dates will be strictly enforced.** According to the University Final Exam Policy:
"Scheduled final examinations are to be administered in accord with the published Final Examination Schedule as to date, time, and place. They are not to be given or taken early."

The questions on the exams and quizzes will be similar to those discussed in class, or those assigned as homework. Most of them will require a good understanding of the concepts and techniques. The best way to prepare for the exams is to go over the homework problems and the examples worked in class (they constitute your **best study guide**) and then try to solve related problems that you haven't seen before. **If you can reach the point where you can do fresh problems without help, I can anticipate that you will be able to successfully solve all problems in the quizzes, midterms and final exam.**

Grading: The grade breakdown is as follows:
Homework 15%, Quizzes 15%, Midterms 40% (four, 10% each), and Final 30%.

Keep in mind that a good grade is the end result of a good learning process. All of you can get a good grade by successfully experiencing this learning process.

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 367-5689, 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 University Accessibility Center at 422-2767. Services deemed appropriate will be coordinated with the student and instructor by that office.

HOMEWORK ASSIGNMENTS
Math 119 Introduction to Calculus – Winter 2009
Instructor: Erin Chamberlain

Week	Sections	Problems	Week	Sections	Problems
1	13.1	1-17**, 21-45*, 49, 51, 54, 55, 61, 66, 74, 87	8	7.1 7.2	1-41**, 59, 60, 65, 72 1--31**, 38, 43
2	3.1 3.2 3.3	1,2, 5, 10, 11, 14, 17-49**, 80, 87 1-29**,35 1-9*, 13, 19, 28, 37abd	9	7.3 7.4 7.5 8.1	3-15**, 17, 25, 29, 36 1-49**, 51, 57, 69 1-21**, 27, 37a 1-29**, 37, 39, 41
3	3.4 4.1 4.2	1-10, 23, 33, 36, 38, 47, 54 1, 8, 15, 17-23**, 25-45**, 52, 62, 75 1-27**,28, 41, 47	10	13.3 8.4 8.2 9.1	1-33**, 41, 43 1-25**, 27, 33, 51 1-21**, 22, 25, 29, 35, 38, 40a 1-17**, 21-26, 39, 47
4	4.3 4.4 4.5 13.2	1-41**, 52, 65 1-29**, 37, 58 1-37**, 63, 64 1, 5, 7, 8 10, 11, 13-33**, 38bc, 42	11	9.2 9.3	1-17**, 23, 25, 27 , 31, 35, 41, 51, 58ab 1-17**, 21, 25, 34, 38
5	5.1 5.2 5.3	1-29**, 45, 50, 60 1-29**, 37, 52 1, 7, 11, 13-21**, 27-32, 33-47**, 57-63*, 78, 92	12	9.4 9.6	1-13**, 15, 20, 32 1-37**, 50, 67
6	5.4 6.1 6.2	1-29**, 37, 39 1-8, 10-27**, 31, 42, 50 1, 3, 9, 13, 16, 20,23,25, 26,29, 45, 46	13	10.1 10.2	1-29**, 42, 43 1-13**, 15, 19, 21, 29, 31, 33
7	12.3 6.4 12.1 12.4	1-25**, 44 1-37**, 44, 48 1-37**, 41, 44 1, 3, 5-17**, 19, 23, 29	14	10.4 11.1 11.2 11.3	1, 3, 7, 11, 17, 19, 21 1-17**, 25, 31, 33, 35, 44 1-7*, 15 , 17, 24, 32, 40 1-13*, 29, 43, 48

- *It is used as an abreviation for “every odd problem”: 1, 3, 5, …
- ** It is used as an abreviation for “every other odd problem”: 1, 5, 9, …