

**Math 119**  
**Sections 7-12**  
*Introduction to Calculus*

Winter Semester 2008

Professor: *Vianey Villamizar*  
Office: 366 TMCB

Class: 12:00 - 12:50 a.m. MWF 3108 JKB  
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Office Hours: Monday  
Friday

5:00 – 6:30 p.m. in my office  
3:00-4:30 p.m. in my office

Teaching Assistants: Nathan Priddis (Section 7), E-mail: [priddisn@gmail.com](mailto:priddisn@gmail.com)  
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**Text: Calculus with Applications, 8th Edition, Lial-Greenwell-Ritchey, Pearson Addison-Wesley.**

Week #	Date	Sections	Comments
1	Jan 7 – Jan 11	13.1 and 3.1	The TA's will review Chapters 1-2
2	Jan 14 – Jan 18	3.2, 3.3, 3.4	Fri Jan 18 Add/Drop Deadline.
3	Jan 21 – Jan 25	4.1- 4.2, 4.3	Monday, Jan 21: Martin Luther King Holiday
4	Jan 28 – Feb 1	4.4-4.5, 13.2, Review	<b>1<sup>st</sup> Midterm</b> Testing Center Feb 1 – Feb 5. Late fee on Tue Feb 5
5	Feb 4 – Feb 8	5.1-5.2, 5.3, 5.4	
6	Feb 11 – Feb 15	6.1, 6.2, 12.3	Monday Feb 11 Withdraw Deadline
7	Feb 18 – Feb 22	6.4, 12.1 and 12.4, Review	<b>2<sup>nd</sup> Midterm</b> Testing Center Feb 22 – Feb 26. Late fee on Tue Feb 26 Monday, February 18: Presidents Day Holiday Tuesday, February 19: Monday Instruction
8	Feb 25 – Feb 29	7.1, 7.2, 7.3	
9	Mar 3 – Mar 7	7.4-7.5, 8.1, 13.3	
10	Mar 10 – Mar 14	8.4,8.2, Review	<b>3<sup>rd</sup> Midterm</b> Testing Ctr. Mar 14 – Mar 18. Late fee on Tue Mar 18
11	Mar 17 – Mar 21	9.1, 9.2, 9.3	
12	Mar 24 – Mar 28	9.4, 9.6, 10.1	
13	Mar 31 – Apr 4	10.2, 10.4, Review	<b>4<sup>th</sup> Midterm</b> Testing Ctr. Apr 4 – Apr 8. Late fee on Tue Apr 8
14	Apr 7 – Apr 11	11.1, 11.2, 11.3	
15	Apr 14 – Apr 18	Review Wed, Thu Reading	<b>Reading Days and Final Exam Days</b> Testing Center <b>Fri Apr 18 – Sat Apr 19</b>
16	Apr 21 – Apr 23	Week of Final Exams	<b>Final Exam Days</b> Testing Center <b>Mon Apr 21 – Wed Apr 23</b>

**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 ....**

**Homework:** Homework corresponding to the previous classes (Friday, Monday, and Wednesday) will be due on Thursday of that 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. **I expect that you do not work on your homework during the class period.** My recommendation is that you write clearly your solutions to the homework exercises. Late homework will not be accepted. To make up for this your two lowest homework grades will be dropped. This policy will take care of any extraordinary circumstances as for example a sickness, a wedding, and others. Discussion of homework assignments is allowed, but you should keep in mind that **homework is an individual work.**

**Labs or Problem sessions:** Each week the Teaching Assistant (TA) assigned to your class will help you to complete a set of problems previously selected. Your Tuesday and Thursday classes will revolve around solving these problems. You are expected to handle their solutions by the end of your problem session on Thursday. 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.

**Quizzes:** There will be quizzes every week except when a midterm is held. They will evaluate the material covered in class the week before. The quizzes will be held at the testing center from Monday to Tuesday (**pick up your quiz before 2 pm on Tuesday**). Quizzes will have a time limit of one hour.

**Exams: The Midterms and Final Exams are Departmental exams.** The Midterm exams will be based on the material covered 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 and final exams in about two and half hours. However, it will not be limit of time. Only the testing center basic scientific calculators will be allowed in all exams. No books and no other notes will be allowed. The midterms and final exams will be curved among all Math 119 Sections. The curved grades will be transformed into the letter grade scale shown below. The final quiz grade will be based on your best 12 quiz grades. Make up exams and quizzes cannot be arranged except in case of an emergency or absence due to official university business. **Exam and quizzes 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 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 in all sections,** I can anticipate that you will be able to successfully solve all problems in the quizzes, midterms and final exam.

**Replacing your lowest midterm grade:** Your lowest midterm grade will be replaced by the highest between your final exam grade and the average of your four midterm grades.

**Honor Code:** The honor code states that "inappropriately providing or receiving information ... so as to gain unfair advantage over others" is academic misconduct. It is inappropriate for any student to provide any information he have acquired by taking the exam to anyone who will be taking the exam in the future, and he should agree that it is inappropriate for him to receive any information that someone else acquired by taking the exam, if he have yet to take the exam.

**Grading:** Grades will be based on cumulative points earned as follows:

**Homework 5 %, Labs 10%, Quizzes 15%, Midterms 40% (four, 10% each), and Final 30 %.**

We will use the following letter grade scale:

A = 100-94%,	B+ = 92-87%,	C+ = 79-77%,	D+ = 69-67%,	
A- = 93-90%,	B = 86-84%,	C = 76-73%,	D = 66-63%,	E = 59-0%
	B- = 83-80%,	C- = 72-70%,	D- = 62-60%.	

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 2008**  
**Instructor: Vianey Villamizar**

Due Date	Sections	Problems	Due Date	Sections	Problems
Jan 10	13.1	1-17**, 21-47*, 58,66, 71,73,86	Feb 28	7.1 7.2	1-37**,43,59,65,70 1-33**,37,42
Jan 17	3.1 3.2 3.3 Quiz 1	1-49**,75,77,81 1-29**, 36,38 1-21**,33,37 13.1	Mar 6	7.3 7.4  7.5 8.1 Quiz 6	3-19*,25,29,33 1-25**,31-39**,41-51**, 55,67,69 1-21**,25,37 1-33**,35,37 7.1-7.2
Jan 24	3.4 4.1 4.2 Quiz 2	1-37**,45,52,56 1-45**,51,57,58,71 1-25**,38,42 3.1-3.3	Mar 13	13.3 8.4 8.2 Quiz 7	1-33**,39,43 1-33,35** 1-29**,22,35,38,40a 7.3-7.5,8.1
Jan 31	4.3 4.4 4.5 13.2 Quiz 3	1-49**55,63 1-29**,36,42 1-37**,39,55,57 1-33**,38b,38c,42 3.4,4.1-4.2	Mar 20	9.1 9.2	1-19**,21-26,39,45 1-19**,23,25,33,41, 51,57
Feb 7	5.1 5.2 5.3	1-25**,27,37,39,49 1-29**,45,49 1-21**,27-43**,49,53,57, 73,79	Mar 27	9.3 9.4 9.6 Quiz 8	1-19**,21-26,33,37 1-17**,19,33 13-37**39,53,69 9.1,9.2
Feb 14	5.4 6.1 6.2 Quiz 4	1-29**,35 1-29**,35,43,47 1,3,9,16,22,25,27,33, 43,45 5.1-5.3	Apr 3	10.1 10.2 10.4 Quiz 9	1-29**,35,37,49 1-19**,29,31,33(a) 3,7,11,17 9.3,9.4,9.6
Feb 21	12.3 6.4 12.1 12.4 Quiz 5	1-25**,41 1-33**,39,43 1-35**41,45 1-17**,23,27 5.4,6.1,6.2	Apr 10  Apr 15	11.1 11.2 11.3 Quiz 10	1-17**,25,27,29,33,36 1-7*,15,17,23,35 1-13*,27,42 11.1-11.3

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