

Math 107 – Section 2

Precalculus – Spring 2007

Instructors: Ben Ford and Rick Marks	Office Hours**: Tuesdays and Thursdays 9-9:50 in Darwin 108 (or by appointment)
Office: Darwin 114B (Ford); Stevenson 3019 (Marks)	
E-mail: ben.ford@sonoma.edu, rick.marks@sonoma.edu	Texts: <i>Functions Modeling Change, 2nd edition</i> , by Connally, et. al. <i>Precalculus Workbook, Spring 2007</i> , compiled by Morris. Available at copy shop in Student Union, \$6.47 including tax
Phone: 664-2472 (Ford); 664-2917 (Marks)	
Webpage: http://www.sonoma.edu/users/f/fordb/m107s07/	

Important Note: The purpose of this course is to prepare you for a college-level calculus course. For this reason, standards are higher than in a precalculus course at the high school level. If you do not plan to take calculus, it is likely that taking this course is not in your best interests, and I urge you to talk to me as soon as possible to ensure that you take the best course for you.

Course Goals:

- Preparation for a college level calculus course.
- Developing problem solving skills; that is, the ability to apply understanding of concepts to new situations.

Assistance: You are welcomed and encouraged to come see us for help outside of class time. We will definitely be available during weekly office hours (see above for times and locations). If office hours don't work for you, we can arrange an alternate time to meet so that you can receive help. There is also free tutoring, by appointment, available through the Tutorial Center (664-2696 / <http://www.sonoma.edu/sas/tutorial/>) which is located in 1040 Salazar Hall. For students who qualify, there is also assistance available through Learning Skills Services (664-2853 / <http://www.sonoma.edu/lss/>) which is also located in Salazar 1040. See the math department's administrative coordinator for a list of private tutors.

Calculator: A scientific graphing calculator (such as the TI-83, TI-84, or TI-86) is an important tool for this course; you will be asked to use it in class, on homework assignments, and during tests and quizzes. Please bring one to class with you every day. We will be using the TI-84 for in-class demonstrations (compatible with TI-83 and TI-83+). For some portions of quizzes and exams, the use of calculators may not be allowed; if this is the case, I will warn you ahead of time. **Calculators that do symbolic algebra (such as the TI-89 or TI-92) will not be allowed on any quizzes or exams.** Because of their instant messaging capabilities, cellular phones may not be used as calculating devices during quizzes and exams even when ordinary calculators are allowed.

Reading: You must read the assigned sections in the text. You will get the most out of the reading if you do it before we discuss those sections in class, so you are prepared with questions.

Homework: There will be two types of homework problems in this course. They are posted on the class web site.

Practice Problems: Practice problems are exactly what the name implies: problems that you should be doing for your own practice over the course of the semester. A list of practice problems for the semester is available online. While they are usually not collected for grading purposes, spending time outside of class doing them is essential to your success in this course. It is your responsibility to plan time to do these problems and also to seek assistance outside of class with any difficulties you encounter. Remember that we are here to help you and that you are welcome to come see us during office hours or to make an appointment at another time if our office hours don't work for you.

Graded Homework: Graded homework problems are usually even-numbered problems. These problems will be announced in class and posted on the web site, and a due-date will be provided when they are assigned. Problems from those you turn in will be randomly selected and graded for accuracy.

Quizzes: All quizzes will be announced at least one class period in advance.

Project(s): Writing and communication are important skills in any career that you choose. For this reason, you will be asked to do a project involving some of the topics that we cover in the course. More details will be given at a later time.

Exams: There will be two midterm exams and a final exam. The midterm exams are tentatively scheduled for **Thursday, March 1** and **Thursday, April 5**. The university has scheduled our final exam for **Tuesday, May 22 from 11:00 a.m. – 12:50 p.m.**

Attendance: The fast pace of the course makes attendance essential to your success. **Students are expected to attend every scheduled class and to notify their instructor promptly (that day) if they must miss class for an unavoidable emergency.** It is also the student's responsibility to keep informed of any announcements, syllabus adjustments, or policy changes made during scheduled classes.

Missed Work Policy: In general, **late homework will not be accepted** and missed quizzes may not be made up after the quiz has been given. However, to account for homework assignments or quizzes missed for any reason, such as approved school function, illness, or a family emergency, your lowest two homework scores and lowest one quiz score will be dropped. You may turn in homework early, but quizzes and exams may not be taken early.

No makeup exams will be given. In the event that you miss one midterm exam, your score on the final exam will replace it. Your score on a midterm exam may not, under ANY circumstances, be used to replace your final exam score. **Midterm exams and the final exam must be taken at their scheduled times**, so plan your travels accordingly.

Grading: Your grade will be determined by your performance on homework assignments, quizzes, projects, and exams, and will be figured according to the system described below:

Two Midterm Exams:	35% of course grade (17.5% each)
Homework, Quizzes, and Projects:	40% of course grade
Final Exam:	25% of course grade

Letter grades will be assigned based on your overall course percentage, which is figured according to the system described above. Grades will be no lower than those set forth below:

<u>Course Percentage</u>	<u>Grade</u>
90% - 100%	A, A-
80% - 89%	B+, B, B-
70% - 79%	C+, C, C-
60% - 69%	D+, D, D-
0% - 59%	F

Save all of your exams, quizzes, and homework assignments to study from over the course of the semester. Saving your work will also allow you to calculate your course grade at any time during the term. You are also welcome, of course, to check your grade directly with us at any time.

If you have a question or a concern regarding how a particular homework, quiz, or exam was graded, I am happy to discuss it with you. If you suspect an error in how something was graded, you must meet with me no later than ONE WEEK after the item has been graded and made available for you to pick up in order to have a chance at receiving points back.

Other Grade Information: The last day to drop a course is **Friday, February 9**. The last day to drop with a grade of "W" from a class is **Friday, February 23**.

**Tentative Course Outline
Math 107 – Section 2
Spring 2007**

Week	Sections
1/29 – 2/2	Tue: 1.1, 1.2 Thu: 1.3, 1.4
2/5 – 2/9	Tue: 1.5, 2.1 Thu: 2.2, 2.4
2/12 – 2/16	Tue: 2.5, 2.6 Thu: 2.6, Tools for Chapter 3
2/19 – 2/23 2/19: Washington's Birthday	Tue: 3.1, 3.2 Thu: 3.3, 3.4
2/26 – 3/2	Tue: Review Test 1: Thursday, March 1
3/5 – 3/9	Tue: 4.1, 4.2 Thu: 4.2, 4.3
3/12 – 3/16	Tue: 5.1 – 5.3 Thu: 5.1 – 5.3, 5.5
3/19 – 3/23	Tue: 6.1, 6.2 Thu: 6.3, 6.4
3/26 – 3/30 3/30: Cesar Chavez Holiday	Tue: 6.4, 6.5 Project Due! Thu: 6.6, 6.7
4/2 – 4/6	Tue: Tools for Chapter 6, Review Test 2: Thursday, April 5
4/9 – 4/13 Spring Break	
4/16 – 4/20 Math Festival Week!	Tue: 7.1 Thu: 7.2
4/23 – 4/27	Tue: 8.1 Thu: 8.2
4/30 – 5/4	Tue: 9.1, 9.2 Thu: 9.3
5/7 – 5/11	Tue: 9.4 Thu: 9.5
5/14 – 5/18	Tue: 2.3 Thu: Review/catch-up
Final Exam: Tuesday, May 22 from 11:00 a.m. – 12:50 p.m.*	

*All students must take the final exam at its scheduled date and time.