

Pre-Calculus I Math 153.005 Spring 2013 1:00 PM daily, Hertz 119

INSTRUCTOR: Dale Width  
OFFICE HOUR: 10 AM daily, Bln 121 , or by appointment  
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PHONE: 963-2400

Schedule: (subject to change!)

|               |                                       |           |
|---------------|---------------------------------------|-----------|
| Week 1        | Review and Assessment; Graphs         | Chapter 1 |
| Week 2        | Functions                             | Chapter 2 |
| Weeks 3 and 4 | Linear and Quadratic Functions        | Chapter 3 |
| Weeks 5 and 6 | Polynomials and Rational Functions    | Chapter 4 |
| Weeks 7 and 8 | Exponential and Logarithmic Functions | Chapter 5 |

The final exam will be on Thursday, June 6 at noon. Check Safari for changes. NO EXCEPTIONS.

This **syllabus** sets out my expectations for the level of coursework that will determine your progress. Please read it thoroughly, keep it, and ask questions about it.

**Text:** Precalculus, Ninth Edition, by Michael Sullivan.

**Calculator:** A TI-83 or similar graphing calculator is required for the course.

**Course description:** This course is the first in a sequence of two courses on precalculus. Math 153 is a foundational course that stresses those algebraic and elementary function concepts together with manipulative skills essential to the use of elementary functions. We will cover the first five chapters of the text and, if time permits, portions of chapters 8 and 9.

**Student Learning Objectives:** Upon successful completion of the course, the student will be able to explain and analyze the various features of linear, quadratic, exponential, and logarithmic functions. In particular, students will demonstrate a basic understanding of the following topics: functions and their graphs; inverse functions; rates of change and exponential growth; solve linear, quadratic, exponential, and logarithmic equations algebraically, graphically, and numerically.

**Course Policies:** It is expected that students are already fluent with basic algebra techniques, and with the behavior of linear and quadratic functions. Students will also be familiar with radical, rational and exponential functions, and general graphing techniques. Math 100C or its equivalent is assumed.

**Attendance:** Daily attendance is expected and considered necessary for success. It is your responsibility to find out what was covered on days you are absent. Please bring the text and a calculator to each class meeting. You are responsible for any announcements made during class regarding homework, quizzes, and exams.

You may withdraw through May 10. Incompletes will not be given so please plan appropriately so that your grade does not affect your financial aid.

**Homework:** Daily homework will be assigned but not necessarily collected. As the assigned problems will form the basis for exams, it is to your advantage (and responsibility) to keep up with the homework. You should expect to commit 10+ hours per week on average outside of class to this course. If you have other commitments that will demand much of your time, you may have problems successfully completing this course. Homework is strictly YOUR responsibility. You are here because you choose to be. Lack of effort will result in a waste of YOUR time and money!

**Tutors** are available through several sources. I will give specifics in class.

**Exams:** There will be four 100-point in-class exams. If you miss an exam and have not made prior arrangements with me, a score of "0" will be recorded. Make-up exams will only be allowed in extreme cases.

**Course Grade:** Total points for your course grade will be based upon the following:

|  |                   |
|--|-------------------|
| 4 exams (100 pts each)                                 | 400 points        |
| Comprehensive Final                                    | 200 points        |
| In-class announced and unannounced events and homework | 200 points        |
| <b>Total</b>   | <b>800 points</b> |

Grades are based on percentages and are earned as follows: **A = 95 and above; A- = 92 – 94; B+ = 88 – 91; B = 83 – 87; B- = 80 – 82; C+ = 77 – 79; C = 73 – 76; C- = 70 – 72; D = 60 – 69. NO INCOMPLETES!**

I reserve the right to adjust the above if deemed appropriate.

If you have any requests to allow for special needs, let me know as soon as possible.

An important requirement for this class is mutual respect. I respect your presence in this class; you, in return must respect our presence and the learning process taking place in our classroom. Rude behavior will not be tolerated. Your attention and effort is **mandatory** to make this class a success.