Pre-Calculus 1 Syllabus
Math 153, 5 Credits, Spring 2013

Instructor: Dr. Teri Willard   Meeting Time: 10:00 – 10:50 am, M – F
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                                       appointment, or by email!

Text: *Sullivan Precalculus*, Ninth Edition, Michael Sullivan. You will also need access to MyMathLab. Your options are: **1.** Buy the hardback book at the bookstore **and** buy the program with ebook included online. **OR 2.** Just buy MyMathLab online and with ebook included. Option 2 is cheaper if you can deal with an ebook. (Consider your options before purchasing.) The course ID is willard38659 at pearsonmymathlabandmastering.com.

Supplies: paper, sharp pencils, TI–83/84 **graphing calculator** (recommended models – I base handouts and class work on these models.) I also recommend a **3-ring binder** to keep everything organized and to keep any handouts that I pre–punch for you. Handouts are designed to help you process and/or practice essential concepts and skills.

Course Description: Prerequisite Math 100C or equivalent. This is a foundation course that stresses algebraic and elementary function concepts and the manipulative skills essential to the study of calculus. Numerical, graphical, and algebraic approaches will be used to give students a better understanding of the mathematical concepts important in the study of calculus. This course incorporates **graphing calculators** throughout the quarter as they are excellent tools for visualizing some mathematical concepts.

Student Learning Objectives: Upon successful completion of this course, you will be able to explain and analyze the various features of linear, quadratic, exponential, and logarithmic functions. You will be able to demonstrate understanding of the following topics: functions and their graphs; inverse functions; rates of change and exponential growth; and solving linear, quadratic, exponential, and logarithmic equations algebraically, graphically, and numerically. Detailed objective sheets will be given at appropriate times during the quarter.

Course Policies

Expectations: It is expected that you have basic algebra skills; knowledge of linear and quadratic functions; radical, rational, and exponential functions; and general graphing techniques. Tests and quizzes will be written **assuming** you have a **graphing calculator**.

Attendance: Daily attendance is expected and considered a necessity for passing this course. It is also expected that your presence will contribute to and never distract from the learning of others in the class. Attendance and appropriate participation in class is crucial to your success.

Grading

Your grade will be calculated using the following system. Your grade at any time should be available to you on MyMathLab, except low scores to be dropped (See below.) will be carried in your grade until the end of the quarter.

Homework (**10% of your grade**): Homework will be assigned on MyMathLab. Due dates on homework assignments are firm, so don't ask for extensions. I will be leaving each assignment open for quite a length time span, but you don't want to wait until the last minute. Do the homework as soon as we finish a lesson. At the end of the quarter, the **two (2)** lowest grades will be dropped before the final grade is calculated.

Quizzes (**15% of your grade**): Quizzes will be take-home on paper. The due dates on quizzes are firm, so don't ask for extensions. If you turn in a quiz late, you will receive NO credit. Also, quiz answers are all right or all wrong – no partial credit. For quizzes, you can get help anywhere. At the end of the quarter, the **one (1)** lowest grade will be dropped before the final grade is calculated

In-Class Exams (**75% of your grade**): There will be three (3) **in-class exams** each worth 100 points and a 100 point final exam during finals week – total of 4 100-point exams. Partial credit is given on problems on in–class tests. The dates for these tests will be announced well in advance. Make-up tests will be allowed only for extraordinary circumstances that must be addressed <u>before</u> the absence, not after. **No low scores will be dropped. No retakes are given. Calculators are OK, but no electronic devices or notes.**

Letter Grades

93-100%	90-92%	87-89%	83-86%	80-82%	77-79%	73-76%	70-72%	67-69%	63-66%	60-62%	<60%
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F

Additional Information

Academic Honesty: There are times when it is proper to get help from others and times when it is not. Feel free to ask others for help on homework and take-home quizzes. You can only learn how to do something new by doing it correctly. During tests, you must do your own work. Academic dishonesty will not be tolerated during any testing situation.

Policy for in-class tests: Calculators will be allowed on all tests. But, calculators may not be shared if you forget yours. Cell phone calculators are not OK. Cell phones, headphones, and similar items may not be accessed during tests. **No notes are allowed on tests.**

Schedule: You will receive a tentative list of assignments. Additional problems may be assigned as needed. You will also receive a calendar where you can record important dates, such as test dates, as they are announced.

Success: Many students find that forming peer study groups is very helpful to their success. In addition, there is a math-tutoring center (library) where you can find additional help. My office hours are listed above and you can always contact me for an appointment for additional help. The key factor is to not get behind because mathematics is a cumulative subject with new topics depending upon mastery of previous concepts. Finally, I suggest that you read every lesson and work through every example in addition to completing the homework in MyMathLab. To be successful, you must work hard and be organized. You must also study regularly, take notes, do your homework, and read the textbook. You also must attend class – and promote your own learning by actively listening – cell phone usage and talking with peers will hinder your understanding during class. You must seek help before you are in trouble and/or too far behind. Never hesitate to ask for help from me, your classmates, or anyone else who can help. I am here to serve you and help you be successful. If you need help, decide what you need help with and write it down. If you are working on a problem unsuccessfully, write down the approaches you have tried. Then seek help with your paper in hand. Write down the helpful hints you receive. **Remember: You are paying for this class whether yourself or financial aid you will pay back. Take advantage of all possible resources to assure that you will succeed.**

Additional Note: Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office, Bouillon 205, or dssrecept@cwu.edu or 963–2171.

Good luck in this course! I hope you find it enjoyable and never hesitate to talk to me if you have any problems.