Math 1060Q: Precalculus
Fall 2014

For students who are planning to take Calculus I (Math 1131), information on the ALEKS exam is available here.

Course Materials:
The text we will be using for this course is Precalculus, by Stitz and Zeager. You can download it here. If you would like a printed version, you can purchase one from Lulu.com or from the bookstore. The course does not follow the text exactly, but the book can be a useful reference.
You will need a WebAssign access code to access your homework assignments. The easiest way to purchase an access code is directly through WebAssign. Simply log in to HuskyCT, follow the link on the left hand side to WebAssign Homework, and follow the prompts given. When logging in to WebAssign (through HuskyCT), do not use Internet Explorer or Safari. Use Firefox or Chrome.
You will have two weeks of free access to WebAssign, so you can get started right away in case you need some time to arrange to buy an access code. You can also purchase an access code card from the bookstore (more expensive than directly through WebAssign). Login instructions are the same, no matter where you purchase the access code. No calculators will be allowed on exams. Some small parts of homework assignments will require a calculator, but you can use Google for any calculations that need doing, so no calculator is needed for this course.

Homework and WebAssign:
Homework: To access the homework you will have to go through Husky CT single sign-on. In your account you will find a link to do your homework using WebAssign. There will be 3-4 homework assignments per week. Each assignment will be made available on WebAssign several days before the section is covered in class. The due date for each assignment will be set by your instructor and will generally be two or three days after the material is covered in class. You will get two attempts for multiple choice question and four attempts for each question that is not multiple choice. After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after your initial attempts, we recommend that you seek help from your instructor, the Q-Center, a tutor, or another student. WebAssign Registration: The homework for Math 1060 is assigned online using the WebAssign online homework system. To access your homework online you must go to Husky CT. Do not use Internet Explorer.
Grading:

WebAssign Homework	10%
In-class work	10%
Algebra Exam	10%
Exam 1: (Tuesday October 7, 6-8 PM or 9-1 pm)	20%
Exam 2: (Tuesday November 11, 6-8 PM or 9-11 pm)	20%
Final Exam: (TBA)	30%

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The common midterm exams will be held on Tuesdays (10/7/2014 and 11/11/2014) 6-8 PM or 9 -11 PM in rooms that will be listed here later. When you registered for this course, you also registered for an exam time, so you are required to be available at these times.

Some tips:
If you've taken precalculus before, be warned -- this course is harder. We will cover more, and it will be more in-depth, than what you've done before.
Don't miss class! Each day builds on the previous days, so if you miss class, you get behind very quickly. If you do get sick or have to miss class, talk to your classmates and instructor to catch up before the next class.
Watch videos and do worksheets (mathresources.uconn.edu/math1060). The videos and worksheets cover some of the most difficult and/or critical concepts.

Tentative Outline:
Below is a tentative schedule for the class. Some sections will take more time than anticipated, and some will take less.
* Make sure to check WebAssign for due dates of homework assignments.
* The Learning Objectives for each week give detail as to the skills and facts you should know (and what could be on an exam!)
* Learning Activities include worksheets and links to videos that can help you with tough sections. These don't cover everything in the course, but are focused on some of the sections students tend to find most difficult.
* We won't be following the text exactly, as it is more of a reference. However, approximate correlations between class material and text sections are given.

Week	Date	Text Reference Sections	Topic
1	8/25	0.1-0.10, 1.1, 2.4	Algebra Review -- fractions, factoring, simplification, exponents, solving equations, inequalities, interval notation, working with absolute value.
2	9/1	1.2-1.4, 1.6	*Monday = Labor Day = No Classes* Introduction to Functions, Function Examples
	9/2-9/3		**Algebra Exam**
3	9/8	2.1-2.3, 5.3, 1.7	Linear Functions, Quadratic Functions, Absolute Value Functions, Square Root Functions, Exponential Functions
4	9/15	1.5, 5.1, 5.2	Combinations of Functions, Introduction to Inverse Functions
5	9/22	5.2, 3.1-3.3, 0.5, 6.1, 6.2	More Inverse Functions, Logarithms, Polynomials, Polynomial Division
6	9/29	4.1-4.3	Rational Functions, Modeling with Functions, Review

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7	10/6	8.1-8.3	Review, Introduction to Periodic Motion, The Unit Circle, Basic Trig Functions
	10/7		**Exam I**
8	10/13	8.5, 9.1, 9.2	Graphs of Trigonometric Functions, Applications of Trigonometry - Triangles, Applications of Trigonometry - Periodic Motion
9	10/20	8.6, 8.7	Solving Trig Equations, Introduction to Inverse Trig Functions
10	10/27	8.6, 8.7	Inverse Trigonometric Functions, More on Solving Trig Equations
11	11/3	8.4	Trigonometric Identities
12	11/10	6.1, 6.2	Review, Revisiting Logarithmic Functions
	11/11		**Exam II**
13	11/17	6.3, 6.4, 6.5	Solving Equations with Exponentials and Logs, Exponential Growth and Decay
	11/24		*Thanksgiving Break= No Classes*
14	12/1		Review
	12/13		**Final Exam**