Math 1060Q Fall 2019
Precalculus
Section W31 TuTh 9:30-10:45 WTBY 217 and Section W32 TuTh 2:00-3:15 WTBY 217

Instructor: Stephen Zito
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Office Hours: TuTh 12:00-2:00 or by appointment

Text: *Precalculus*, 9th ed., by Ron Larson

Course Description:
Preparation for calculus. Review of algebra. Functions and their applications; in particular, polynomials, rational functions, exponentials, logarithms and the trigonometric functions.

Quizzes:

- Quizzes will be in-class, every class.
- I will post the topic on HuskyCT.
- You may use your notes.
- You may work together.
- I will occasionally assign take-home quizzes.

Exams:

- There will be two midterm exams and a final.
- Midterm Exam 1 is 9/26/19 and Midterm Exam 2 is 10/31/19.
- Final Exam is during the week of December 9th-14th.
- All exams are open note.

Homework:

- Homework will be assigned after each class.
- http://www.opentextbookstore.com/precalc/
- I will typically NOT collect them.
- Occasionally, homework WILL be collected.
- It will count as a quiz grade.

Make-Up Policy:

- There are **NO** make-ups on quizzes or hw. Let me repeat that "**NO** make-ups."
- I will drop six quizzes/hw at the end of the semester.
- If you feel you'll miss more than six quizzes/hw, you need to come see me asap.
- If you miss a midterm exam, the next exam counts for double.
- If you feel you may miss the final exam, you need to see Stuart Brown and get official permission to reschedule.

Disabilities:

- If you have a disability, I highly recommend seeing student services and documenting any accommodations you may need.
- https://waterbury.uconn.edu/student-life/student-resources/disability-services/

Grades:

Quizzes	every week	40%
Midterm Exam 1	9/26	20%
Midterm Exam 2	10/31	20%
Final Exam	TBD	20%

Attendance:

- Class attendance is not required.
- I typically do NOT post class notes online.
- You can obtain notes from a fellow classmate, take a picture of my notes, or come to the office to review.
- You can also use http://www.opentextbookstore.com/precalc/

Calculators:

- Starting Fall 2019, calculators are no longer allowed in Math 1060Q.
- This includes non-graphing calculators and phones.
- DISASTER!!!!
- Trust me, it won't be so bad.

Midterm Grades

- Midterms grades are required for 1000-level classes.
- I will post after the first exam.
- Your midterm grade will only reflect the first exam.

Tentative Schedule:

Week	Section	Topic
1	Introduction, 1.1	Rectangular Coordinates
	1.2, 1.3	Graphs of Equations and Linear Equations in Two Variables
2	1.4, 1.5	Functions and Analyzing Graphs of Functions
	1.6	Parent Functions
3	1.6, 1.7	Parent Functions and Transformations
	1.8	Composite Functions
4	1.9, 2.1	Inverse Functions and Quadratic Functions
	2.2, 2.6	Higher Degree Polynomials and Rational Functions
5		Review
		Midterm Exam 1
6	3.1, 3.2	Exponential Functions and Logarithmic Functions
	3.2	Logarithmic Functions
7	3.3, 3.4	Properties of Logarithms and Expo/Log Equations
	3.5	Expo/Log Models
8	4.1, 4.2	Radian/Degree Measure and The Unit Circle
	4.3	Right Triangle Trigonometry
9	4.3, 4.4	Right Angle Trigonometry and Trig. Functions of Any Angle
	4.4	Trig. Functions of Any Angle
10		Review
		Midterm Exam 2
11	4.5, 4.6	Graphs of Sine and Cosine, Graphs of Other Trig. Functions
	4.6	Graphs of Other Trig. Functions
12	4.7	Inverse Trig. Functions
	4.8	Applications and Models
13	5.1, 5.2	Using Identities and Verifying Identities
	5.3	Solving Trigonometric Equations
14		Thanksgiving Break
15	5.4, 5.5	Sum and Difference Formulas and Multiple-Angle Formulas
	5.5	Product-to-Sum Formulas, Review
16		Final Exam (Day and Time TBD)