Math 1160-80 Precalculus – Syllabus

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                                                                                Office Hrs: by appt

Course Info: Fall 2019
                 Department Telephone: 973-720-2158

Required Text: *College Algebra and Trigonometry* with MyMathLab access code by Ratti and McWaters (ebook or text are both acceptable options) 4th edition

Suggested reading: A*lgebra and Trigonometry, 3rd edition;* Robert F. Blitzer; Prentice Hall.

Course Objectives: To prepare students for calculus by introducing and investigating important transcendental functions (exponential, logarithmic and trigonometric) including their properties and applications. To integrate the knowledge of algebraic functions with transcendental functions and further develop critical thinking in problem solving.

Student Learning Outcomes: Students will be able to:
1. Understand and analyze exponential, logarithmic and trigonometric functions.
2. Work with graphs of exponential, logarithmic and trigonometric functions.
3. Demonstrate the ability to think critically when solving exponential, logarithmic and trigonometric equations.
4. Organize information from applied problems and use the relevant information to solve the problems.
5. Effectively express precalculus concepts in presenting solutions to problems involving algebraic and transcendental functions.

Outline of Course Content:
1. Review of Functions
2. Exponential and Logarithmic Functions
3. Trigonometric Functions
4. Trigonometric Identities and Equations
5. Conic Sections (Time Permitting)

Teaching Methods:

All course lectures/exams/homework will take place online using Blackboard and MyMathLab. Please feel free to come to my office hours for help.

Course Expectations:
Homework assignments will be assigned regularly. Students who take homework assignments seriously and spend a considerable amount of time doing homework and reviewing their notes will greatly benefit when taking exams. **MyMathLab** will be used in this course. Your textbook should come with an access card and all students are expected to use MyMathLab. To set up your MyMathLab account and to complete the homework, click on the MyMathLab tab. You may use computer labs on campus or personal computers when using MyMathLab. All homework assignments must be completed by the specified due date. No extensions will be given. All homework completed after the due date will be subject to a 10% deduction in the score.

Quizzes and Exams will be posted throughout the semester on **MyMathLab.** All exams and quizzes must be completed within in **one session of** logging in. All exams and quizzes must be completed by the specified due date. **No extensions will be given**.

Class Participation: Students are expected to read/watch all lectures notes and videos that are posted on Blackboard during the week in which they are posted. Occasionally, there may be group discussions that you will be asked to participate it on Blackboard.

Grades will be based on homework, quizzes, 3 tests and a final exam using the following weights:

Homework, quizzes, and Class Participation	15%
Tests	60%
Final Exam	25%

Important Dates:
Withdrawal from the course with 100% refund: December 26, 2019
Withdrawal from the course with no refund: January 3, 2020
Final Exam: *Tuesday, January 14th, 2020*

Grading Policy

A	94-100
A-	90-93
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	60-66
F	Anything below 60