

Trigonometry And College Algebra
Course Outline
MTH 13 Section E01 [45993], Spring 2017
Tuesdays and Thursdays 18:00 - 19:50, Room: Language 33
CUNY Bronx Community College

Instructor: Dr. Byungdo Park

Email: bpark@gradcenter.cuny.edu

Office hours: By appointment.

Course Syllabus: The departmental course syllabus is available at:
<http://fsw01.bcc.cuny.edu/mathdepartment/Courses/Math/MTH13/math13syllabus10ed.pdf>

Section webpage: Announcements, homework, exam schedules and other relevant information will be posted on the following webpage: <http://tinyurl.com/s17bccmth13> which is also accessible via instructor's webpage: <http://wfs.gc.cuny.edu/bpark/www>

Textbook: Allyn J. Washington, *Basic Technical Mathematics With Calculus*, 10th Edition, Prentice Hall, ISBN-13: 9780133116533

Course description: We shall study topics from precalculus which are essential in learning subjects in physical sciences and engineering. The topics include vectors, complex numbers, functions and graphs, exponential, logarithmic and trigonometric functions, analytic trigonometry, systems of linear equations, and determinants. As we proceed, we shall put a particular emphasis on aspects of quantitative literacy. To this end, we will discuss various, specific, and concrete examples in real-world contexts.

The prerequisite for this course is *MTH 06 or equivalent and ENG 02 and RDL 02*. In particular, the instructor will assume that everyone has a good grasp on the following topics: Radicals and rational exponents, solving quadratic equations, quadratic functions, $+$, $-$, \times , \div of polynomials, exponential and logarithmic functions, the trigonometric ratios, trigonometric functions and their graphs, trigonometric identities.

Quizzes: There will be a quiz on every Thursday. Each quiz will be consisting of 2 to 4 problems from examples covered in the class or Professor Uma Iyer's MTH13 workbook available at <http://fsw01.bcc.cuny.edu/mathdepartment/Courses/Math/MTH13/math13.htm>

Exams: There will be total *four* exams: *Three* in-class midterm exams and *one* in-class final exam. Location, date and time will be announced as soon as determined. Generally speaking, each midterm exam will be given after covering two chapters in the syllabus. There is no uniform final exam for this course. The least score among three midterm exams will be dropped. There will

be no make-up for midterm exams for any reason, with an exception to the case that there are more than one officially documented reasons to miss midterm exams on different dates. Emergency make-up for the final exam will be handled according to the college policy.

Grading Policies:

2 out of 3 midterm exams 40% (20% each midterm), Final 35%, and Weekly Quizzes 25%.

Attendance policies: Attendance data will be collected in every class meeting and will be used for various purposes, including determination of grades INC, WN, or WU. However the total score for the final letter grade will not reflect the attendance record.

Instructor's policies: Cell phones are not allowed to use in class.

Academic Integrity: It is expected that you will complete all exams without giving or receiving help from anyone. You may talk to other students about the homework but you must then complete the homework yourself. The minimum penalty for giving or receiving help on an exam is a grade of 0 on that test.

Important dates:

- Monday April 10th – Tuesday April 18th: Spring Recess (No class)
- Thursday April 20th: CUNY Monday (No class)