Math 10A Syllabus: Fall 2016

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Textbook: College Trigonometry (open source) by Carl Stitz and Jeff Zeager

<http://www.stitz-zeager.com/szct07042013.pdf>

for purchasing a bound copy for about $12.00, go to the below link:

 [College Trigonometry, 3rd Corrected Edition by Carl Stitz (Paperback) - Lulu](http://www.lulu.com/shop/carl-stitz/college-trigonometry-3rd-corrected-edition/paperback/product-21101812.html)

**SUMMARY**: Math 10A is a basic Trigonometry class, emphasizing the introduction of the Unit circle, the 6 circular trigonometric functions, and the various trigonometric identities. Suggested Prerequisites are Advanced Algebra and Geometry (ambitious students can do Geometry and Trig concurrently); extensive algebra is needed for solving the trigonometric equations. The proposed specifics are below.

08/20/2016 Week 1 Chapter 10.1 Angles and their Measures

08/27/2016 Week 2 Chapter 10.2/10.5 The Unit Circle; sine and cosine – part 1

09/03/2016 Week 3 Chapter 10.2/10.5 The Unit Circle; sine and cosine - part 2

09/10/2016 Week 4 Chapter 10.2/10.5 The Unit Circle; sine and cosine - part 3

09/17/2016 Week 5 Chapter 10.3 The Six Circular Functions and Identities – part 1

09/24/2016 Week 6 Chapter 10.3 The Six Circular Functions and Identities – part 2

10/01/2016 Week 7 Chapter 10.3 The Six Circular Functions and Identities – part 3

10/08/2016 Break No School for Fall Break

10/15/2016 Week 8 Chapter 10.4 Trigonometric Identities – part 1

10/22/2016 Week 9 Chapter 10.4 Trigonometric Identities – part 2/Midterm (Take Home? – timing dependent)

10/29/2016 Week 10 Chapter 10.5 Graphs of Trigonometric functions – part 1

11/05/2016 Week 11 Chapter 10.5 Graphs of Trigonometric functions – part 2

11/12/2016 Week 12 Chapter 10.5 Graphs of Trigonometric functions – part 3

11/19/2016 Week 13 Chapter 10.6 Inverse Trigonometric functions – part 1

11/26/2016 Break No School - Thanksgiving

12/03/2016 Week 14 Chapter 10.6 Inverse Trigonometric functions – part 2

12/10/2016 Week 15 Chapter 10.7 Trigonometric Equations and Inequalities

12/17/2016 Week 16 Final Exam

Grading policy: Midterm 50%, Final 50%, homework score can replace Midterm or Final (if higher than either).