

Trigonometry

MA204
Spring 2014

Mrs. René Flood
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Course Content:

- Trigonometric functions and their graphs
- Trigonometry of triangles
- Trigonometric identities
- Vectors
- Polar coordinates, polar equations, and complex numbers in polar form
- Inverse trigonometric functions and trigonometric equations
- Applications of trigonometry such as surveying, navigation, astronomy, and simple harmonic motion, AC waves and phase, and light wave reflection and refraction.

Class Website:

- <http://www.gsb.edu/classes/rflood.html>

Course Materials:

- Required: Algebra and Trigonometry, by Robert Blitzer, Prentice Hall, 2007. 3rd Edition. ISBN 0-13-219140-7
- Required: A scientific calculator & graphing paper.

Grading:

Course grades will be computed according to the following weights:

Chapter Tests and Final Exam	75%
Homework	25%

Homework:

- Expect to 3-5 hours of homework a week. To learn math, you must do math!
- Homework will be due every Wednesday at the beginning of the class. Late homework will be docked 20% up to one week. After one week, it may not be turned in for credit.
- Check our class website for a list of assignments.
- For full credit, show all of your work with your answers.

Miscellaneous:

- Secondary Ed majors with a math teaching field need to earn at least a B in Trigonometry to continue in the math program.
- Any missed exams must be made up within two weeks of the original date.