

## Math 104: Trigonometry and Analytic Geometry (13452)

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**About the course:** Together with College Algebra, Trigonometry is designed to prepare students for a rigorous study of Calculus. The objectives for this class will be assessed by written examinations, homework and quizzes. Topics include the six trigonometric functions, right triangle trigonometry, radian measure, graphing and inverse functions, identities and formulas, solving trigonometric equations, the laws of sines and cosines, complex numbers and polar coordinates. The prerequisite for Math 104 is a passing score on or an exemption from the ELM or a C or better in Math 102.

**Text:** *Trigonometry* by Charles P. McKeague & Mark D. Turner

**Supplemental text:** *Schaum's Outlines of Trigonometry*

**Calculator:** You'll need a scientific calculator that includes trig functions and inverse trig functions. Graphing calculators will not be allowed on quizzes, midterm exams, or the final exam.

**Material:** We will cover the whole text, with the exception of sections 3.5, 4.5, and 5.5.

**Attendance** is an essential part of this course. Attendance means being on-time and not leaving the classroom before the end of the lecture. *Cell phones and pagers must be turned off.*

**University drop/add policy:** during the first three weeks of class, students can drop a class through SOLAR; after week four, a partial withdrawal is normally not permitted. I cannot drop students, so it is your responsibility to drop the class if you do not intend on finishing it. **The last day to add/drop is Friday, 9/14.**

**Exams:** There will be three in-class tests, and a comprehensive final exam. There will be no makeups on tests or quizzes. (In case of an emergency, contact me immediately.)

**Final Exam:** The common 104 final will be on Friday, December 14 from 9-11 am.

**Homework:** The due date for each homework assignment will be specified on the day of the assignment. No late homework is accepted.

**Grades:** The course grade will be determined as follows:

10% – webwork/homework

15% – quizzes

45% – midterm exams

30% – final exam

Final grades will be assigned according to the following percentage ranges:

A 91-100

B 81-86

C 70-76

A- 90

B- 80

D 55-69

B+ 87-89

C+ 77-79

F below 55

**This is a math class. It takes hard work and effort to pass.**

All this information is subject to change.