

**MAC 1114
COLLEGE TRIGONOMETRY
FALL 2007**

INSTRUCTOR: Patrick Higgins
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Office Hours: MWF 11:00 AM – 12:30 PM

BOOK: *Analytic Trigonometry with Applications* 9th Edition; Barnett, Ziegler, and Byleen

GRADING: Your class grade will be based upon 4 in-class tests worth 70% of your grade and a comprehensive final worth 30% of your grade. The NC grading system will be used to determine your final grade: 90 – 100% A, 80 – 89% B, 70 – 79% C, 0 – 69% F. The grade of NC will be given if attendance is regular and if all tests and final are taken with an average better than 50%.

HOMEWORK: Homework problems will be assigned but will not be collected. All test problems will be based on the homework assigned and example problems done in class. Therefore, it is highly recommended that you keep up with the homework assignments and attend class regularly.

CALCULATORS: No calculators will be allowed for the tests, quizzes, and final. Problems will be designed such that they are not necessary.

COURSE OUTLINE

CHAPTER ONE – Right Triangle Ratios

Sections 1.1, 1.2, 1.3, 1.4

CHAPTER TWO – Trigonometric Functions

Sections 2.1, 2.2

TEST 1

Sections 2.3, 2.5

CHAPTER THREE – Graphing Trigonometric Functions

Sections 3.1, 3.2, 3.3, 3.6

TEST 2

CHAPTER FOUR – Identities

Sections 4.1, 4.2, 4.3, 4.4, 4.5

CHAPTER FIVE – Inverse Trigonometric Functions; Trigonometric Equations

Sections 5.1, 5.3

TEST 3

CHAPTER SIX – Triangles and Vectors

Sections 6.1, 6.2, 6.3, 6.4, 6.5, 6.6

CHAPTER SEVEN – Polar Coordinates; Complex Numbers

Sections covered as time permits

TEST 4

FINAL