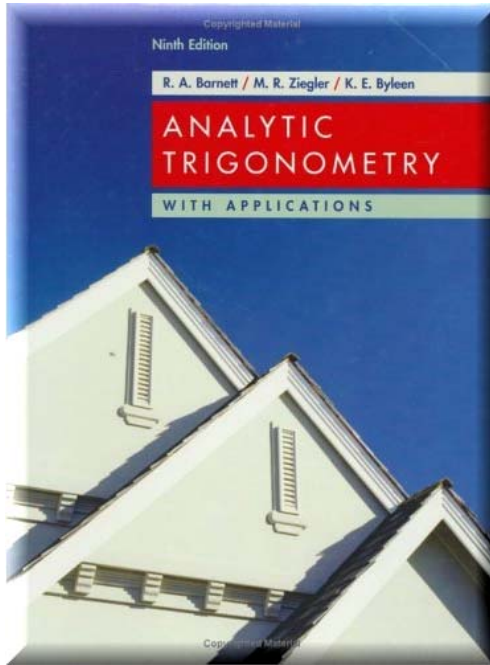


TRIGONOMETRY – MATH 1720 - SYLLABUS



Pre-calculus (Trigonometry)

MW 2-4: 30 PM

AP Building Rm 101 Ft. Campbell

Fall II 2009

3 credit hours

Analytic Trigonometry with Applications, 9th Ed

by Barnett, Ziegler, Byleen

TI-83 or TI-84 calculator (rec.)

No prerequisites, surprisingly

Ellen Smyth

Office Hrs: MW 11-2; TT by appt.

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COURSE DESCRIPTION

This course will cover right triangle ratios and trig functions; graphing trig equations; trigonometric identities and conditional trig equations; inverse trigonometric functions; Law of Cosines; Law of Sines; vectors; polar and rectangular coordinates; sketching polar equations; the complex plane; De Moivre's Theorem and the nth-Root Theorem.

GOALS

1. Students acquire general trigonometric skills that will enable them to advance on to trigonometric concepts of calculus and other trig-application courses.
2. Students acquire an appreciation for the need to consider logical step-by-step procedures in the approach to solving problems.
3. Students learn the real-world significance and application of trigonometry.
4. Students wallow in the glory of all things triangular.

HOMEWORK

Considered crucial to passing the course, homework problems will be assigned each class period. These assignments will be collected at the midterm and final exam times.

ATTENDANCE

Attendance, though not required, correlates quite closely with passing the course.

STUDENTS WITH DISABILITIES

Any student who has a disability that may affect his or her academic performance is encouraged to make an appointment with me to discuss this matter, or you may contact Disability Services; voice, 221-6230; voice tty, 221-6278.

TESTS and GRADING

There will be a midterm (100 points), in-class quizzes (100 points), homework (100 points) and a final exam (200 points). Grades will be based on the following scale:

- 90-100% A
- 80-90 % B
- 70-80 % C
- 60-70 % D
- Below 60% F

MID-TERM GRADE REPORTING

A midterm grade will be awarded for all students in this course. The grade awarded may not necessarily be based on 50% of the course requirements and may or may not differ from the final grade. Your midterm grade will be posted on AP Self Service.

STUDENT RESPONSIBILITIES

Students are expected to:

- Ask questions early if requirements or grading system are unclear
- Arrive on time
- Participate in class activities and discussions
- Devote at least 12-15 hours per week outside of class to study
- Keep cell phones off during class

POLICIES

1. If a student misses a quiz or exam without a valid and verifiable reason, then a zero will be assigned for that quiz or exam.
2. If a student has a valid and verifiable reason for missing, then a make-up will be given within the week.
3. If a student cheats on a quiz, midterm or final (e.g., a student puts answers on the test that have come from another student's paper), that student fails the entire course.
4. Minors, any non-student under the age of 18, accompanying staff, faculty, students, or visitors on campus are not permitted in the classroom.
5. Students are expected to conduct themselves appropriately at all times. Academic and classroom misconduct will not be tolerated. Students must read the "Code of Student Conduct" in the new *Student Handbook* for an understanding of what will be expected of them within the academic setting.

TENTATIVE SCHEDULE

M	Oct 26	1.1, 1.2, 1.3
W	Oct 28	1.4, 2.1, 2.3
M	Nov 2	2.3, 2.5
W	Nov 4	3.1, 3.2
M	Nov 9	3.2, 3.3
M	Nov 16	3.6, Review
W	Nov 18	Midterm
M	Nov 23	4.2; 4.3
W	Nov 25	4.3, 4.4, 5.1
M	Nov 30	5.2, 5.3, 6.1
W	Dec 2	6.2, 6.4, 6.5
M	Dec 7	7.1, 7.2
W	Dec 9	7.3, 7.4
M	Dec 14	3.5, 5.4; Review
W	Dec 16	Final

The material in this syllabus is subject to change in the event of extenuating circumstances.