

ALGEBRA & TRIGONOMETRY 8:00-8:50AM SPRING 2003 HICKOK 207

- Instructor: Jonathan White
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- Web Page: <http://www.coe.edu/~jwhite/>
- Office: Hickok 206A
- Office Hours: MWF 9:00-9:50am, MWF 1:00-1:50pm and by appointment
- Office Phone: 399-8280
- Home Phone: 841-5111 (between 7am and 11pm)
- Text: *College Algebra with Trigonometry*, 7th Ed., Barnett, Ziegler, and Byleen
- Quizzes: There will be occasional quizzes, and together these will total 100 points (about 17% of the final grade).
- Exams: There will be three in-class exams administered during class time. The dates of these are indicated in the schedule on the back side of this sheet. These exams will be worth 100 points (about 17% of the final grade) each.
- The final exam will be held during the finals week at the date and time indicated on the back side of this sheet. The final will be worth 200 points (about 33% of the final grade).
- Grading: Grading will approximately follow a 90% A, 80% B, 70% C, 60% D scale.
- Makeups: Makeups for quizzes and exams will generally be allowed only under extenuating circumstances, with documentation and advance notice when humanly possible.

This class is intended for one very specific purpose: To prepare students for a serious college-level Calculus course. The material we cover, the ways we handle it, and the level at which we approach it are all chosen with that firmly in mind.

The use of technology, particularly graphing calculators, will be an important component of the course. Ability to compute with pencil and paper will also be important, as will conceptual understanding of the topics treated.

This should sound demanding, because it is. Calculus is not necessarily easy, so good preparation for it isn't either. Don't let that be overwhelming, though, and remember that I'm around to help.

Tentative Schedule

		Wednesday, February 5 th 1-1 Real Numbers	Friday, February 7 th 1-2&1-3 Polynomials
Monday, February 10 th 1-4 Rational Expressions	Tuesday, February 11 th 1-5&1-6 Exponents	Wednesday, Feb. 12 th 1-7 Radicals	Friday, February 14 th 2-1 Linear Equations
Monday, February 17 th 2-2 Systems of Eq.	Tuesday, February 18 th 2-3 Linear Inequalities	Wednesday, Feb. 19 th 2-4 Absolute Value	Friday, February 21 st 2-5 Complex Numbers
Monday, February 24 th 2-6&2-7 Quadratic Eq.	Tuesday, February 25 th 2-8 Poly. and Rat. Ineq.	Wednesday, Feb. 26 th Review	Friday, February 28 th Exam 1
Monday, March 3 rd 3-1&3-2 Graphs & Lines	Tuesday, March 4 th 3-3&3-4 Functions	Wednesday, March 5 th 3-5 Combining Func.	Friday, March 7 th 3-6 Inverse Functions
Monday, March 10 th 4-1 Polynomial Func.	Tuesday, March 11 th 4-2 Rational Roots	Wednesday, March 12 th 4-3 Real Roots	Friday, March 14 th 4-4 Rational Functions
Monday, March 17 th 4-5 Partial Fractions	Tuesday, March 18 th Review	Wednesday, March 19 th Exam 2	Friday, March 21 st 5-1 Exponential Func.
March 24 th - 28 th Spring Break -- No Class			
Monday, March 31 st 5-2 <i>e</i>	Tuesday, April 1 st 5-3 Logarithmic Func.	Wednesday, April 2 nd 5-4 Natural Logarithms	Friday, April 4 th 5-5 Exp. & Log Eq.
Monday, April 7 th 6-1 Measuring Angles	Tuesday, April 8 th 6-2 Right Triangles	Wednesday, April 9 th Registration -- No Class	Friday, April 11 th 6-3 Trig Functions
Monday, April 14 th 6-4 Special Angles	Tuesday, April 15 th 6-5 Circular Functions	Wednesday, April 16 th 6-6 Trig Graphs	Friday, April 18 th 6-7 More Trig Graphs
Monday, April 21 st 6-8 Other Trig Graphs	Tuesday, April 22 nd 6-9 Inverse Trig Func.	Wednesday, April 23 rd Review	Friday, April 25 th Exam 3
Monday, April 28 th 7-1 Trig Identities	Tuesday, April 29 th 7-2 Sum & Dif. Id.	Wednesday, April 30 th 7-3 Dbl- & Hlf-Angle Id.	Friday, May 2 nd 7-4 Product-Sum Id.
Monday, May 5 th 7-5 Trig Equations	Tuesday, May 6 th 8-1 Law of Sines	Wednesday, May 7 th 8-2 Law of Cosines	Friday, May 9 th 8-3&8-4 Vectors
Monday, May 12 th 8-5 Polar Coordinates	Tuesday, May 13 th 12-1 Parabolas	Wednesday, May 14 th 12-2&12-3 Ellip. & Hyp.	Friday, May 16 th Review
	Tuesday, May 20 th Final Exam, 1pm		