Math 1303 - Math in the Liberal Arts Fall 2005

Course Information

Location:	MTH 217
Class Times:	MWF 8:00-8:50
Instructor:	Dr. Karl Frinkle
Office:	MTH 208
Office Hours:	MTWRF 9:00-9:50, or by appt.
Office Phone:	(580) 745-2028
E-mail:	kfrinkle@sosu.edu
Website:	http://www.sosu.edu/faculty/kfrinkle

Text *A Survey of Mathematics with Applications* (7th Edition), by Angel, Abbott and Runde

Course Overview The goal of this course is to give an introduction to the variety and power of mathematical techniques developed throughout the history of humankind. We will look at some of the great ideas of mathematics and how these ideas can be used in everyday life. We will spend more time trying to understand concepts rather than details about the techniques being presented. The most important requirement for this class is to be willing to have an open mind and be willing to try without fear of being wrong.

As a general education course, this course will satisfy the goal of the mathematical or quantitative reasoning component of general education: to develop the ability of students to understand and apply mathematical abstraction. As such, students will (1) solve problems using the principles of algebra or symbolic logic; (2) apply mathematical reasoning to analyze and interpret quantitative information; and (3) use and interpret mathematical formulas.

Course Outline Various topics from the required text will be covered. We will cover, at the minimum, chapters 2, 3, 4 and 9. Other chapters which we might cover include chapters 5, 12, 13 and 14. Due to the interactive structure of this course, if you, as a class, wish to explore a certain area of mathematics or explore a particular problem, then we will endeavor to do so.

Policies Given the nature of this class, attendance is critical. Some of the material discussed in class will not come from the textbook. As a result, if you miss class, it will hurt your grade.

Cheating will not be tolerated in any shape or form. If you are caught cheating, it will be reported to the appropriate academic offices, and appropriate action will be pursued.

You will not be able to make up a quiz or test or receive credit for any other assignment which you missed the deadline for unless you notify me ahead of time. If you are going to miss a class, please let me know ahead of time, and I will ensure that you can take a quiz early, or make it up afterwards if one is to be given that day. The same goes for homework and projects.

All cell phones, pagers, CD players, laptops, calculators and other such devices must be turned off and put away before class begins. It is also expected that everyone will behave in a kind and courteous manner towards fellow students and the instructor.

Grades

Your final grade will be based upon the following items

- 30% - Quizzes - given randomly, without warning
- 25% - Homework - required to be handed in on a regular basis
- 10% - Class participation - interaction during class, and in projects/presentations
- 25% - Projects - group projects will utilize course material to analyze real world situations
- 10% - Final Exam - exam covering all of the material from the semester

Special Accommodations

Any student needing special accommodations due to a physical, mental or learning disability should contact Mrs. Susan Dodson, the Coordinator for Student Disability Services, Hallie McKinney, Room 111B or call (580) 745-2394 (TDD# 745-2704). It is the responsibility of each student to make an official request to the Coordinator for Student Disability Services for all academic accommodations due to a disability. For copies of disability related policies, please contact Student Services (Administration Building, Room 205) or Student Support Services (Hallie McKinney, Room 111B).