

# Youngstown State University

## Department of Mathematics and Statistics

### Course Outline for Mathematics 2625 (Distance Learning)

Course Title: Mathematical Literacy and Critical Reasoning

Course Credit: 4 s.h.

Text: 1) "*Elementary Statistics: A Brief Version*," 4<sup>th</sup> ed., A. Bluman, McGraw-Hill.  
2) *Dimensional Analysis and Consumer Mathematics*, provided by instructor.

Course Prereq: Math 1501 or at least Level 3 on the Mathematics Placement Test. Credit will not be given for both MATH 2623 and 2625.

Course Description: This course is an introduction to contemporary mathematics and its applications. Topics include basic scientific methods and a variety of practical problems that can be modeled and solved by quantitative means.

Course Objectives: MATH 2625 is a General Education course. Math 2625 satisfies General Education goal 5 and integrates goals 1, 2, and 3 wherever possible. These general education goals are:

- To write and speak effectively.
- To process and present both quantitative and qualitative information using technology.
- To reason critically both individually and collaboratively.
- Comprehend mathematical concepts in both applied and abstract contexts.

#### Course Assignments

- *Elementary Statistics: A Brief Version*: Chapters 1 through 8, and 10, 11
- *Dimensional Analysis* (Instructor's note)
- *Consumer Mathematics* (Instructor's note)
- Computer software such SPSS, EXCEL and MS-WORD may be used in the course.

Students with Disabilities: In accordance with University procedure, if you have a documented disability and require accommodations to obtain equal access in this course, please contact the Office of Equal Opportunity and Disability Services at the beginning of the semester or when given an assignment for which an accommodation is required. Students with disabilities must verify their eligibility through the Office of Disability Service at Wick House (330) 941-1372 (Voice), (330) 941-1564 (TDD) intake procedure.

Violation of The Code of Student Rights in Using of Technology: Theft or misuse of information technology (including downloading of pornography or visiting pornographic web sites) is a violation of "The Code of Student Rights, Responsibilities, and Conduct." Violating "The Code" will result in disciplinary action, which may include suspension or expulsion from the University.

Semester: Spring, 2009

Last Day to Withdraw with a grade of "W": Thursday, **March 26, 2009.**