

Minnesota State University Moorhead

MATH 244: Applied Biostatistics

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 3

Lab Hours/Week: 3

OJT Hours/Week: *.*

Prerequisites:

- MATH 127 - College Algebra; OR
- MATH 142 - Pre-Calculus; OR
- MATH 143 - Trigonometry; OR
- CCGE 123 - College Algebra; OR
- MATH 261 - Calculus I

Corequisites: None

MnTC Goals: None

This course provides students with practical statistical tools for analyzing biological data. Students learn the appropriate univariate statistical tests (correlation, regression, t-tests, ANOVA) for common types of biological data, how to apply computer software to conduct the tests, and how to interpret the statistical results. The course ends with a discussion of experimental sampling design. Must have successfully completed College Algebra or acceptable placement score. MnTC Goal 4.

B. COURSE EFFECTIVE DATES: 02/14/2006 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

None

D. LEARNING OUTCOMES (General)

None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted