Bemidji State University

Department of Mathematics and Computer Science

Syllabus

MATH 3632/5632 – Probability and Statistics – Section 01 – Spring 2007

Instructor: Dr. Derek Webb

Office: Hsgg-Sauer Hall 369

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Email: dwebb@bemidjistate.edu

Class Time and Location: MWF 2:00-2:50 PM HS 230

Web Site: dwebb@bemidjistate.edu

Prerequisite: Math 3631 or Math 5631 or consent of instructor.

Office Hours: See schedule on web site

Required Text: *Probability and Statistics in Engineering* Hines, Montgomery, Goldsman, and Borror

Course Objective: Students will learn the basic mathematical statistics of random vectors, the design and analysis of experiments, hypothesis testing, parameter estimation, and linear regression.

Technology: Calculators may be used for all homework and exams. The Texas Instruments 83 is recommended. Minitab will be used in the class and is available on computers in the Superlab.

Attendance: Regular attendance and active participation is expected. Students are responsible for class work even if there are legitimate reasons for their absence. Attendance will not be taken. For most students, attendance is necessary for successful completion of the class.

Academic Dishonesty: Academic dishonesty will **NOT** be tolerated in this class and will be dealt with according to BSU protocol.

Class Assignments: Assignments will be given approximately weekly. Graduate students will be assigned additional materials. Assignments account for 25% of a student's grade in the course.

Project: Each student will be required to complete a research project for the class. Details will be given in class. The project accounts for 25% of a student's grade in the course.

Exams: There will be two exams. Students may use a calculator and a formula sheet on the exams. The final exam must be taken to pass the course. Exam schedule follows:

Exam 1	25 %	Friday, MAR 9, In Class
Final	25 %	Monday, MAY 14 1:00-3:00 PM

Missed Exams: Make-up exams are not given unless a documented medical, family, or other emergency exists.

Grading System: The grading system will be as follows. However, the Instructor reserves the right to make slight adjustments to these percentage breakpoints as the course progresses.

A $[90\%, 100\%]$

B $[80\%, 90\%)$

C $[70\%, 80\%)$

D $[60\%, 70\%)$

F $[0\%, 60\%)$

Incomplete: An incomplete (I) grade will only be given in **documented** emergency situations. BSU policies will be followed.

NOTE: Upon request this document can be made available in alternate formats. If you have a documented disability and need accommodations for this course please contact the Disability Services Office in 202 Sanford Hall, Bemidji State University. Any other questions about this course should be directed to the instructor.

Change in Course Syllabus: The Instructor reserves the right to change this syllabus as this course proceeds if the need arises. Should a change be required the class will be notified.