

MAYLAND COMMUNITY COLLEGE
Welcomes You To:

BUS 228-10
BUSINESS STATISTICS
CREDIT HOURS: 3 CONTACT HOURS: 4

FALL 2007

Course Description

COURSE DESCRIPTION: This course introduces the use of statistical methods and tools in evaluating research data for business applications. Emphasis is placed upon basic probability, measures of spread and dispersion, central tendency, sampling, regression analysis and inductive inference. Upon completion, students should be able to apply statistical problem solving to business. *This course has been approved to satisfy the Comprehensive Articulation Agreement pre-major and/or elective course requirement.*

Prerequisites: MAT 115 or MAT 161 & MAT 161A

Corequisites: NONE

Instructor Information

INSTRUCTOR: ROBERT L. TAYLOR, C.P.A.

Office Location: SAM PHILLIPS BUILDING 208
Telephone Number: 828-765-7351 EXTENTION 336
E-mail Address: btaylor@mayland.edu
Office Hours:
Mon. / Wed. 12:00-1:00, 2:30-3:30
Tues. / Thur. 9:00-12:00
Fri. By Appointment

Course Information

MEETS

Monday – Wednesday 10:00 – 11:50

Sam Phillips Building- ROOM 205

REQUIRED TEXT: Essentials of Statistics for Business and Economics, Anderson, Sweeney, Williams, 4th Edition, Southwest.

SUGGESTED TEXT: Workbook Accompanying Text, Southwest.

LRC Resources: Students will be provided with a CD containing solutions and power point slides.

Course Objectives/Competencies:

COURSE OBJECTIVES: This course is designed to introduce business administration and accountancy majors to probability, and statistical methods commonly used in the business world today. Upon completion of this course the student will:

- A. Have an understanding of the typical uses of statistical methods in Accounting, Finance, Marketing, Production and Economics.
- B. Be able to use descriptive statistics in tabular and graphic formats, and in numerical methods.
- C. Will have an understanding of the laws of probability.
- D. Will be able to describe and use discrete probability distributions, and continuous probability distributions.
- E. Will develop skills at sampling and constructing sampling distributions.
- F. Will put the above to use in interval estimation and hypothesis testing, and in comparisons involving two means.

COURSE CONTENT:

- A. Provides the student with an overview of current real world uses of statistical methods.
- B. Provides the student with the opportunity to learn to use probability and statistical methods to solve real world problems.
- C. Provides the student with a learning environment which will help them to improve their critical thinking skills as well as mathematical skills.

D. Will incorporate software appropriately to assist in the statistical calculations.

Attendance Policy/Tardiness/Make-Up Work:

COURSE REQUIREMENTS: Students are expected to attend all classes and to be present on time. Attendance will count as one exam grade. [For a class that meets twice weekly the student will have deducted from a score of 100, 3 points for each absence, regardless of the reason of the absence. For a class that meets 3 times weekly each absence will result in a deduction of 2 points.]

Students who, in the instructor's evaluation, do not prepare for class appropriately and/or do not adequately participate will receive a grade reduction of 1 letter grade.

Grading Criteria/Tests/Projects:

Your grade will be the average of all exams (including attendance grade)taken during the semester, adjusted by any reductions for insufficient participation. Exams will consist of : True/False, Multiple Choice, and Problems and will cover approximately 3 chapters each. The final exam is NOT comprehensive.

GRADING SCALE

A=90-100

B=80-89

C=70-79

D=60-69

F= below 60

Inclement Weather Procedures:

In the event the College is closed due to inclement weather additional problem assignments to be completed and turned in will be required.

In the event of a delayed schedule this class will meet:

Monday – Wednesday 11:30 – 12:50

Academic Standards/Student Expectations/Ethics:

Students are expected to have read the assigned material and made an effort to do the assigned homework prior to class.

Students will be expected to fully participate in the presentation of homework problems and class discussions.

Exams are expected to be taken when scheduled. A student must receive permission from the instructor **PRIOR** to the exam to miss an exam. It is the instructor's discretion as to what constitutes a viable reason for missing an exam. Students missing an examination, with the instructor's permission, will be required to make up the exam before the next class meeting, or to take a make up exam within one week of the original exam. Students not making up missed exams within one week will receive a grade of -0- on the exam.

Cheating, in any form, will not be tolerated. Any student caught cheating will be given a class grade of "F" and referred to the Disciplinary Council for further appropriate action.

If a student has not been in contact with the instructor and has not attended class for a consecutive two-week period, an administrative withdrawal will be submitted by the instructor.

Withdrawal Dates:

Fall 2005

End of Unconditional Withdrawal

Tuesday, September 25

End of Conditional Withdrawal

Thursday, November 1

Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will then help determine which accommodations, if any, the student needs for success in this course.

Course Outline/Weekly Topics

WEEK

TOPICS COVERED

- 1 Introduction to Class
Chapter 1: Data and Statistics
- 2 Chapter 1: continued
- 3 Monday 9/3 Holiday- Labor Day
Chapter 2: Descriptive Statistics: Tabular and Graphical Methods
- 4 Chapter 2: continued
Review for Exam 1
- 5 EXAM 1
Chapter 3: Descriptive Statistics: Numerical Methods
- 6 Chapter 3 continued
Review For Exam 2
- 7 EXAM 2
Chapter 4: Introduction to Probability
- 8 Chapter 4: continued
- 9 Fall Break Monday-Tuesday, Oct 8-9
Chapter 5: Discrete Probability Distributions
- 10 Chapter 5: Continued
- 11 Chapter 6: Continuous Probability Distributions
- 12 Chapter 6: continued
Review for Exam
- 13 Monday, November 12, Holiday-Veterans Day

Exam 3: Chapter 4-5-6

- 14 Chapter 7: Sampling and Sampling Distributions
- 15 Chapter 8: Interval Estimation
November 22-23 Th-Fri Thanksgiving Holiday
- 16 Chapter 9: Hypothesis Testing
- 17 Make up time
- 18 Final Exam December 10
Go over final exam December 12