

COLUMBUS STATE COMMUNITY COLLEGE

MATHEMATICS DEPARTMENT COURSE SYLLABUS

COURSE NUMBER: Math 233

COURSE NAME: Business Statistics

CREDIT HOURS: 5

FOLLOW UP COURSE: none

PREREQUISITE: Math 132 with a grade of "C" or higher or placement by COMPASS

COURSE DESCRIPTION

This course is designed to acquaint students with statistical methods used in gathering and analyzing data. The course includes: designing samples and experiments; descriptive statistics with graphs and numbers; correlation and regression; concepts in probability; binomial, normal, and other probability distributions; the Central Limit Theorem; confidence intervals; tests of significance; and hypothesis testing. Applications in business, management and economics are emphasized.

GOALS OF COURSE

This course is designed to introduce students to the concepts, methods, and uses of statistics. The goal of this course is to develop competence in problem recognition, calculator computation, and interpretation of results. Students will also learn how to use Minitab or Excel as a statistical tool to aid in analysis of data.

TEXTBOOK AND SPECIAL EQUIPMENT REQUIRED

- **The Practice Of Business Statistics 3rd Edition (REQUIRED)**, Moore, McCabe, Duckworth, and Alwan, W.H. Freeman and Company, 2009.
- **Texas Instruments' TI-83, TI-83 PLUS, or TI-84 calculator (REQUIRED).**

The CSCC bookstore will be able to provide TI-83 and TI-84 calculators. For additional information, please contact the bookstore at (614) 293-1111.