

**LOUISIANA DELTA COMMUNITY COLLEGE
ACADEMIC AFFAIRS MASTER SYLLABUS**

DATE APPROVED OR REVISED: Dec. 2006

COURSE NAME: Quantitative Analysis & Quality Control

COURSE Number: Math 212

Text: Essentials of Modern Business Statistics with Microsoft Excel (2nd ed);
Anderson, Sweeny and Williams; 2004; ISBN#: 0-324-18452-2

Lecture Hours: 3 Lab Hours: 0 Credit Hours: 3

Course Description: This course focuses on the application of statistical principles such as descriptive statistics, probability, sampling distributions, confidence intervals, inference and regression and correlation in a business environment. The course will use software packages to analyze practical quality control issues in a business environment. Technology solutions will be emphasized throughout the course.

Pre-requisites: Math 112 or an equivalent introductory statistics course from another institution.

Co-requisites: None

Learning Outcomes: On completion of this course, the student will be able to:

Analyze basic real world situations and develop a mathematical strategy, emphasizing statistical techniques, to derive a solution.

Work better as a team member and communicate the problem solving skills required to perform daily in a quantitative work environment using current technology where applicable.

ASSESSMENT MEASURES:

Group projects

Case studies

Journal article reviews

Open book testing

Comprehensive Final Exam

Oral presentations

Homework

Library research paper

Closed book testing