

**EAST CAROLINA UNIVERSITY**  
**College of Business**  
**Detailed Course Description**

**I. Course**

**OMGT 6123 Quantitative Methods (Online)**

**II. Instructor & Textbook Information**

Instructors for this class vary, but all are terminally degreed (i.e., PhD). All instructors will be readily available at least 5 hours per week via email or phone, and will address all emails within 24 hours during the standard work week. All courses will be available through Blackboard, the university's course management system.

As of Fall 2006, the text used in the class is:

Statistics for Business and Economics, Anderson, Sweeney and Williams, Thompson, 9<sup>th</sup> edition (ISBN 0-324-20083-8)

To review current textbook information visit the bookstore at

<http://www.bkstr.com/webapp/wcs/stores/servlet/StoreCatalogDisplay?storeId=10861&langId=-1&catalogId=10001>

**III. Course description**

The goal of the course is a master's level introductory course in descriptive statistics, and elementary calculus..

Pre-requisites for this class are: Consent of Graduate Office, College of Business

Check out the catalog description and see what current course offerings are at:

<https://onestop.ecu.edu/onestop/index.cfm?fuseaction=tabTools.courseCatalog.&ntdgc=0.74227089421>

**IV. Course objectives:**

Students who successfully complete the course will gain knowledge of the fundamental concepts of descriptive statistics and differential calculus for use in subsequent courses.

**V. Course Topics:**

Quantitative methods may vary from semester to semester from the following list of topics:

Discrete Distributions  
Continuous Distributions  
Sampling Distributions  
Binomial and Poisson Distributions  
Normal and Exponential Distributions  
Interval Estimation  
Hypothesis Testing  
Linear Regression Analysis  
Differential Calculus

Finding Maximum and Minimums  
Multivariate Calculus

#### **VI. Required Coursework**

Exact requirements may vary, but typically, to successfully complete this course, the student will be required to complete homework, and successfully pass 5 quizzes, and 2 exams.

#### **VII. Course Communication & Interaction**

Announcements are made weekly concerning current activities. The course uses the virtual classroom prior to all exams to answer questions. Individual students contact the instructor via phone or email to go over individual questions on particular homework problems or questions on quizzes or exams. Quizzes are taken on Blackboard and exams are proctored. Homework is checked by the individual student via answers provided on-line.

#### **VIII. Computer / Technical Requirements Additional notes / comments**

The university recommends specific technology if you take an online class. These recommendations can be found at: [http://www.ecu.edu/cs-acad/options/internet\\_course/technology.cfm](http://www.ecu.edu/cs-acad/options/internet_course/technology.cfm). All online courses require ready access to the Internet and a suitable personal computer.

#### **IX. Additional Information**

Disabilities: ECU seeks to comply fully with the Americans with Disabilities Act (ADA). The Department for Disability Support Services adapts the generalized services to the specialized needs of individuals with disabilities. Students requesting accommodations based on a disability must be registered with the Department for Disability Support Services located in Slay 138 (252) 737-1016 (Voice/TTY). Additional program information is available at <http://www.ecu.edu/dss/introdss.htm>.

Calendar: Online classes typically follow the standard ECU [academic calendar](#) for the semester in which they are taken.

#### **IX. Additional notes / comments**

ECU maintains accreditation with the [America Assembly of Collegiate Schools of Business \(AACSB\)](#). To comply with the constant quality improvement objectives of the AACSB, adjustments are made to all course requirements. Contact the instructor for this class the semester you plan to take it to obtain detailed information.

This course is a great early course in the MBA program because in it students learn to write-up cases and become proficient in using online communication tools like Discussion Forums and Chat.