Suffolk County Community College  
Riverhead, New York  
Spring 2010  

Course Outline for MAT 103  (Statistics)  
MW 6:30 - 7:45 A.M.  
Shinnecock 211  

Instructor: William Matros  
Phone: 631-288-5672  
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Textbook: Elementary Statistics  
Mario E. Triola  

Grading: Many short quizzes (65% of grade)  
Final Examination (35% of grade)  

FINAL GRADE is determined according to the guidelines of the Suffolk Community Handbook  

Attendance: All students are expected to attend every session of the course. If more than 3 classes are missed, the student will be dropped from the course.  

Course Philosophy:  
MA 23 presents Mathematical ideas and concepts in a spiraled approach. Assignments will be given in a database format with a constant review of previous material.
Course Objectives: Students will be able to:

I. Demonstrate an understanding of basic statistical terms (cumulative glossary will be kept)

II. Organize and describe data

III. Understand and compute measures of central tendency

IV. Apply basic probability

V. Write and do analysis by:
   1. Binomial Distribution
   2. Normal Distribution
   3. t Distribution
   4. chi square distribution

VI. Understand apply the Central Limit Theorem

VII. Understand, conduct, and interpret Hypothesis Tests

VIII. Understand, construct, and interpret Confidence Intervals

Requirements: Students are responsible for all assignments given (a printed database of assignments will be provided.)

Quizzes will be given with high frequency. There are NO MAKEUPS

If there are enough quizzes then a grade might be dropped. A missed quiz will therefore be considered the drop grade.

Calculator: A TI 83+ or a TI 84 will be used

Withdrawals: Any student wishing to withdraw from the course must process a withdrawal form through the Registrar by the mid-semester withdrawal date as given in the college catalog
Course Outline: Chapters to be covered

Chapter 1: Introduction to Statistics

Chapter 2: Summarizing and Graphing Data

Chapter 3: Statistics for Describing, Exploring And Comparing Data

Chapter 4: Probability

Chapter 5: Discrete Probability Distributions

Chapter 6: Normal Probability Distributions

Chapter 7: Estimates and Sample Sizes

Chapter 8: Hypothesis Testing

Miscellaneous:
Assignments are given in a spiraled approach. If new material is hard to master, then successful completion of old material will still reinforce course material.

HAVE A GREAT SEMESTER!