

## INTRODUCTION TO ELEMENTARY STATISTICS

### Math 157-01 Course Syllabus Fall Semester, 2005

**Course:** Math 157: Introduction to Elementary Statistics  
**Text:** Essentials of Statistics, 2<sup>nd</sup> edition by Mario Triola  
Addison/Wesley Publishing Company  
**Time:** M W F: 9:00 am – 9:50am, Templin Hall room 840  
**Instructors:** Sandra L. Spain  
Office: 952 Templin Hall  
Phone: 757-825-3583 E-mail: [spains@tncc.edu](mailto:spains@tncc.edu)  
Office Hours:  
M W F: 8:30 am -9:00 am  
W: 12:00 noon – 1:00pm  
T R: 9:30 am – 10:00 am  
T: noon – 3:00 pm  
Th: noon – 3:30pm

**Website:** <http://tncc.my.vccs.edu>

The access code is packaged with the textbook/ Course compass support 1-800-677-6337

**Prerequisite:** The student must achieve a satisfactory score on an appropriate placement examination or successfully complete Math 04, Algebra II or equivalent.

**Course Goals:** Math 157 is a one semester introduction course to the study of statistics. The goal of this course is to give the student of sociology, business economics, ecology, education, medicine, science, psychology, mathematics, engineering technology and many others, a basic knowledge of the language and methods of statistics. The student will learn the basic techniques of statistical analysis, applications of these techniques in solving problems from a variety of areas, and the advantages and limitations of statistical methods. Students are encouraged to use calculators and software that are available. The emphasis of the course is on the interpretation of the statistical results rather than the mere computation.

**Instructional Methods:** The course content may be taught through a series of lectures on the website with resources provided by Pearson Ed. Homework will be assigned (but not collected) on a regular basis covering the material from the lectures and/or textbook. Each student is expected to study the assigned material and to work all the assigned homework problems before coming to each class. Your success in this course will depend on this. Students will be responsible for projects: applied and hypothesis testing. More detail will follow on the attached handouts.

**Testing:** There will be 4 tests and a comprehensive final exam.  
Test 1: Chapters 1 & 2  
Test 2: Chapter 3 & 4  
Test 3: Chapter 5 & 6  
Test 4: Chapter 7, 8 & 9  
Final Exam (comprehensive)

All tests will be announced with ample opportunity for preparation. All students are expected to take tests on the specified day. In general, no make-up tests or retests will be given (an exception may be made if the circumstances warrant it, and you notify me **before** the test date).

Approximate Schedule:

Week	Material
1	Chapter 1

2	Chapter 2
3	Chapter 2/ Test on Chapters 1 & 2
4	Chapter 3
5	Chapter 3
6	Chapter 4
7	Chapter 4/ Test on Chapters 3 & 4
8	Chapter 5
9	Chapter 5
10	Chapter 6/Test on Chapters 5 & 6
11	Chapter 7
12	Chapter 8
13	Chapter 9
14	Chapter Test on Chapters 7, 8, & 9 , final exam
15	Chapter 13/ optional : available on website only

**Attendance (traditional Classroom):** Regular attendance is required. Absence from 20% or more of class time may result in an administrative withdrawal from the course unless there are extenuating circumstances (in which case you should notify me immediately).

**Evaluation:** For a final grade, Math 157 uses the A, B, C, D, F grading system. The following grade average scale will be used to determine your final grade.

90 -- 100%	A
80 -- 89%	B
70 -- 79%	C
60 -- 69%	D
Below 60%	F

Final Score:      The 4 tests will give you a mean score M  
                           The 2 hypothesis testing assignments will give you a mean score of HA  
                           The applied project will give you a score of AP  
                           The exam will give you a score of E.

$$\text{Final grade} = .60M + .10HA + .10AP + .20E$$

The **last** day to withdraw with **full refund** is **September 6, 2005**. All withdrawals before October 28, 2005 will result in a grade of W: after that date, the grade of an F (except under mitigating circumstances). If you decide to withdraw prior to this deadline, you **must** fill out an ADD/DROP form and turn it in to the Records Office.

**Two attempt Policy:** As of the summer 1990, enrollment in a course is limited to two times. If a student needs to enroll for a third and final time, he or she must submit a written petition to the Vice President for Student Affairs (or his designee) for approval.

**CODE OF CONDUCT:** It is the philosophy of the mathematics department that all students should adhere to the student code of conduct found in the college catalog, should come to class prepared to learn and should demonstrate behavior conducive to learning at all times. Coming to class prepared to learn includes (but is not limited to) having all of the necessary supplies, arriving on time, staying the full time, and participating in the activities of the class. Students are expected to have cell phones, pagers, and other beeping electronic devices turned off during class.

**STUDENTS WITH DISABILITIES:** Students who need disability-related classroom accommodations are encouraged to register for support services with the Office of Services for Students with Disabilities (Room 323 Hastings Hall).

**IMPORTANT DATES:**

August 20, 2005	classes begin
September 2, 2005	Last day to withdraw with a full refund
October 7, 2005	Fall Break
October 28, 2005	Last day to withdraw with a grade of "W"
November 23-27, 2005	Thanksgiving Break
December 9, 2005	Classes end
December 13, 2005 at noon	<b>Final exam and projects</b>

**MISCELLANEOUS POLICIES (Traditional Classroom):**

1. Food and drinks are not allowed in the classroom.
2. Inform me of any disabilities or medical conditions that require special needs.
3. Scholastic dishonesty of any form will not be tolerated. Actions for scholastic dishonesty may include grade reduction, failing grade for course, and/or recommendation for possible dismissal from the college.
4. Children are not allowed to attend class.
5. Students are expected to adhere to the student code of conduct found in the Student Handbook section of the College Catalog.
6. Entering the classroom late, leaving and returning during class or leaving class early is distracting to other class members and to the instructor, and therefore you are asked not to do so.
6. Students are expected to be on time every day with all of their homework done or attempted.
7. Students are expected to have cell phones and pagers turned off during class time.

**MISCELLANEOUS POLICIES (Online):**

1. Inform me of any disabilities or medical conditions that require special needs.
2. Scholastic dishonesty of any form will not be tolerated. Actions for scholastic dishonesty may include grade reduction, failing grade for course, and/or recommendation for possible dismissal from the college.
3. All projects, assignments and tests (in class or take home) are expected to be completed by the assigned deadline.

**\*\*\*Changes to the above will be noted in class or on the website\*\*\***