Course Description
This course introduces the student to the concepts of statistical design and data analysis with emphasis on introductory descriptive and inferential statistics. Topics include data organization and analysis, probability, discrete and continuous probability distributions, confidence intervals, hypothesis testing, correlation and simple linear regression. Additionally, the student will learn to use statistics to make inferences from data and to support these inferences convincingly.

Prerequisites: MAT 1033 with a grade of “C” or better, or the appropriate score on the HCC placement test. College level math skills are required.

Honors Notation
To be enrolled in this course, the student must apply to and be accepted into the Honors Institute. If the student is not an official member of the Honors Institute, the student will be administratively removed from this course. The removal could take place anytime during the semester; and therefore, the student would not be entitled to any refund or placement into another course.

Textbook
*Elementary Statistics: Picturing the World* (5th edition) by Larson and Farber

ADDITIONAL MATERIAL
Access to the online homework system, Course Compass or MyMathLab, is required. A graphing calculator is required. I use a TI 84 Plus.

In-class and Take-home Assignments
In-class assignments will make up 5% of your grade. These will be given periodically during the lectures to assess student understanding of the new material. The take-home assignments will consist of a few problems to be completed outside of class on paper and turned in at the beginning of class when they are due. These due dates will be given in class. Each assignment will be worth 10 points. You will be allowed to drop the lowest three of these assignments.
Online Homework:
The homework consists of assignments on the MyMathLab website (also called Course Compass). All assignments will be graded by the computer for credit. Check MyMathLab for due dates. The online homework will make up 15% of your grade.

It is very important that students register themselves in their MyMathLab program within the first 2 days of class.

Students should see their instructor or call the toll free Product Support services number (1-800-677-6337) if they have any questions or problems. If any student has any difficulty with his or her home computer, he or she may go to any Brandon Campus computer lab, the Math Lab (BLRC 200) or Student Success Center (BACA 207) and use the school computers to do the online homework.

SUGGESTION: As the students work through the online homework questions, they should write down the directions and problems neatly and keep the work organized so they have this to refer to when studying for quizzes and tests.

WARNING: DO NOT WAIT UNTIL THE LAST MINUTE TO DO HOMEWORK. AS WE ALL KNOW, PROBLEMS WITH COMPUTER SYSTEMS ARE COMMON. BY WORKING ON YOUR HOMEWORK EARLY, YOU WILL BE ABLE TO RESOLVE ANY PROBLEMS BEFORE THE DUE DATES. THE DUE DATES WILL NOT BE EXTENDED. SO ALLOW YOURSELF PLENTY OF TIME TO COMPLETE ASSIGNMENTS.

Quizzes
Quizzes will be given in class on the days shown in the schedule. They will cover content since the last test. They are intended to give students practice at answering questions under test-like conditions. The quizzes will be given at the beginning of class. If you are late for a quiz, it will count as a zero. The average of your quizzes will make up 5% of your grade. The lowest quiz will be dropped.

Tests
The tests, which include the final, will make up 75% of your grade. See the schedule for test dates and the material covered on each test. There will be no make-ups for the tests for any reason. Should you miss a test the final exam grade will replace it. I will allow you, at my discretion, to re-schedule a test as long as you make the arrangements with me before the test day.

Final Exam
There will be a comprehensive final at the end of the term. The final exam will count as two tests. If your final exam grade is better than your lowest test it will also replace that test. In this case, the final will count as three tests grades. Since the final is a strong indicator of what you have learned and retained in the course it is important that you prepare thoroughly for it throughout the term. You can do this by taking good notes, doing all the homework and assignments, reworking missed test problems, and asking questions when you do not understand a topic. Remember that an important goal in this course is a satisfactory
performance on the final exam. You should study for every test in a manner that will help you remember the material for the entire term. If you miss the final you will fail the course.

Project
Every student will be required to do project. The completed project is due on the day of the final review. More details on this project are given on the assignment list on the course webpage. The project will make up 10% of your grade.

Extra Credit
Extra credit can be earned by answering bonus questions on the tests. Hints about these questions will be given during the lectures. These extra credit points will be added to the particular test containing the questions.

Grades
Grades are computed using the following formula.

\[
\text{OA} = \text{fraction of total points earned} \times 100
\]
\[
\text{ITA} = \text{fraction of total points earned} \times 100
\]
\[
\text{QA} = \text{average of all of your quizzes}
\]
\[
\text{TA} = \text{average of all your test grades with the final counting as two tests or three tests as discussed above}
\]

Grade: \[
\text{GR} = (0.15 \times \text{OA}) + (0.05 \times \text{ITA}) + (0.05 \times \text{QA}) + (0.75 \times \text{TA})
\]

Grading Scale

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 - 100+</td>
<td>A (Excellent)</td>
</tr>
<tr>
<td>80 - 89</td>
<td>B (Good)</td>
</tr>
<tr>
<td>70 - 79</td>
<td>C (Satisfactory)</td>
</tr>
<tr>
<td>60 - 69</td>
<td>D (Poor)</td>
</tr>
<tr>
<td>0 - 59</td>
<td>F (Very Poor)</td>
</tr>
</tbody>
</table>

This is a tentative grading scale. The final grade is subject to my discretion. You should keep all of your work for the entire term. Should you have a question about any graded work, you must bring a copy of it to me in order to resolve the problem. Such questions need to be resolved promptly after the work is graded and returned. Keep in mind that grades will be available to each student through BlackBoard. Therefore as we progress through the term check BlackBoard for your current overall grade as well as your grade on each assignment and test. There is more information below on BlackBoard.

Student Email and Campus Cruiser
Hillsborough Community College provides every student and faculty member with a portal, Campus Cruiser, for email. You should use CampusCruiser for all of your email correspondence with me. You can find a link to CampusCruiser on my faculty webpage and on the HCC homepage.

Blackboard
The syllabus, schedule, objectives, reviews for the tests, solutions for the tests, and other handouts will all be made available to student through Blackboard. Students will also have private access to
their grades within Blackboard. You can find a link to Blackboard on my faculty webpage and on the HCC homepage.

**Course Objectives**
These are in a separate file which you can find in the shared files in BlackBoard.

**Class Attendance**
Attendance will be taken every class. Absences in excess of 10% of the total class meetings may result in a failing grade. Also, these absences will result in veterans being reported to the VA. It is extremely important to be on time to class. All early departures should be discussed and cleared with the instructor prior to class. Students are always responsible for letting the instructor know they are present if they arrive in the classroom after the instructor has taken the attendance.

**Religious Holidays**
HCC will reasonably accommodate the religious observances, practices, and beliefs of students in its admissions, class attendance and examination policies, and work assignments. Students must notify instructors in writing one week prior to a religious observance.

**Withdrawal**
The last day for the students to withdraw from the course is **Wednesday March 20th, 2013**. Additional information regarding the withdrawal policy can be found in the HCC Catalog, 2012 - 2013.

**Incomplete**
Before an incomplete grade is given, all of the following requirements must be satisfied:
1. You must have completed more than two-third of the course.
2. You must have at least a “C” average.
3. You must provide written documentation justifying the request.
INCOMPLETE GRADES MUST BE APPROVED BY THE INSTRUCTOR AND CONFIRMED BY THE ACADEMIC DEAN. Additional information regarding the incomplete policy can be found in the HCC Catalog, 2012 - 2013.

**Academic Success Center (Math Lab):**
The Math Lab is located in BLRC 200. It is open Monday – Thursday from 9:00 am to 7:00 pm and Friday from 9:00 am to 1:00 pm. It will be closed on Saturday, Sunday and all college holidays. The Math Lab phone number is **813-259-6598**. Also visit the Math Lab Center website at [http://www.hccfl.edu/br/student-services/academic-success-center/math-lab.aspx](http://www.hccfl.edu/br/student-services/academic-success-center/math-lab.aspx) for any other information including varies Work Shops and services. All services are free to HCC students! **Don't wait to get academic help.** Your instructors are available during office hours and tutorial centers offering a wide variety of tutorial services are available at each campus. The Math Lab will be open to all students on a walk-in basis, but each student will need to sign in every time they enter the lab. In order for students to receive consistent instruction, students need to bring with them their class notes when requesting assistance.

**SmarThinking** is a 24/7 online tutoring service provided free to students at Hillsborough Community College. Students can get help in Math, Bilingual Math, Biology, Chemistry, Physics, Economics, Accounting, Statistics, Spanish, Writing and more.
Cheating
Cheating is a serious offense. The cheating policy is described in the HCC Student Handbook. Anyone caught cheating on any work that contributes to the grade in this course will be given an automatic zero for that assignment. If cheating occurs on a test the grade of that test will not be replaced with a higher grade on the final exam and if cheating occurs on a quiz the grade of that quiz will not be dropped.

Request for Accommodation
Any student whose disability falls within the American Disabilities Act (ADA) and requires accommodations should contact the Office of Services for Students with Disabilities. The Brandon office is located in the Student Service Building Room 109. You may also reach the office by phone at (813) 253-7914. Requests for accommodations should be submitted to the instructor within the first two weeks of the course.

Test Center Information
After discussing testing in the test center with his/her instructor, a student must email the test center to make the appointment to test AT LEAST 24 HOURS in advance of taking the test. The Brandon Test Center email address is: brtesting@hccfl.edu. Within the message of the email, the student must provide the following information:

1. Student’s name
2. Instructor’s name
3. Course Name
4. Test Number
5. Date and time student wishes to take the test (Hours are: Monday & Tuesday 8:00 – 5:30, Wednesday & Thursday 8:30 – 3:00, and Friday 8:30 – 10:30)

The student will receive an Automatic reply: Appointment - APPROVAL confirmation. The Brandon test center is located in BSSB 203.

STUDENTS WHO TEST IN THE TESTING CENTER MUST COMPLETE THE TEST ON OR BEFORE THE SCHEDULED IN CLASS TEST DAY.

Recording of Class Sessions:
A student shall not, without my express authorization, make or receive any recording, including but not limited to audio and video recordings, of any class, co-curricular meeting, organizational meeting, or meeting with me. Further, it is not permissible to post my class lectures/course materials on the web.

Equity/Equal Access Policy:
Hillsborough Community College is an equal access/equal opportunity employer that makes employment and education-related decisions without regard to race, color, gender, religion, national origin, age, disability, sexual orientation, marital status or any other bias that is or may be prohibited by laws. In addition, the college does not discriminate in employment practices or in the admission and treatment of students. HCC is committed to equitable treatment for all students and employees and to learning and working environment free of discrimination and harassment for current as well as future students and employees. The college provides equal educational
opportunities for qualified individuals with disabilities and complies with, as well as, supports the Americans with Disabilities Act. HCC’s Equity Officer ensures compliance with federal and state laws prohibiting discrimination and sexual harassment. Employees and students who believe they have been a victim of discrimination or sexual harassment should contact: Dr. Joan B. Holmes, Special Assistant to the President for Equity and Special Programs. Her telephone number and email are: 813-253-7043, jholmes16@hccfl.edu

CLASSROOM ETIQUETTE:

1.) Please be on time to class and do not leave until the instructor is finished. It is very disruptive to the other students in the class when students are coming in and going out.

2.) If you do come in late or have to leave early sit near the door.

3.) Please do not come up to the desk to get any papers when you come in late. The instructor will give them to you at the end of the class.

4.) Please put all electronic equipment (cell phones, ipods, etc.) other than your calculator on vibrate mode or turned off completely. Laptops should be closed and put away. Ear phones should not be worn.

5.) Students are not allowed to receive or send text messages during class.

6.) Please do not bring food or drink into the room except for water.

7.) Keep talking to a minimum and only related to this class while the instructor is lecturing.

REMEMBER:

Ambrioso Spring 2013