Introductory Statistics
STA 2023 Fall Term, 2012

Instructor: **STA 2023**
Office Hours: **E-mail:**
Office Location: **Classroom:**
Office Phone: **Lab: Mon SE 340/350**

GOALS

This course aims to impart an understanding of elementary descriptive and inferential statistics. The emphasis will be on applied problem solving and interpretation of results, although computation will also be required.

Students who successfully complete this course should be able to calculate and explain basic descriptive statistics; generate and interpret tables and graphs; make estimates of unknown parameters and conduct hypothesis tests; and construct and interpret a simple linear regression model. Successful completion of this course counts toward the computational requirement of the Gordon Rule.

COURSE STRUCTURE

Class lectures, in which content will be introduced and example problems solved. This material will be tested by **Labs,** *Quizzes, Mid-term exams and a cumulative Final.* **Please find the exact dates in the course outline.**
In addition, the course website on MyLabs Plus and Blackboard must be checked *at least daily* for important announcements.

REQUIRED TEXT/MATERIAL

1. Statistics, 12th edition,, by James McClave, Terry Sincich, 2011. Purchase is optional. (Available as an ebook when My LabPlus is purchased).
2. Mylabs Plus access code – MANDATORY for this course
3. I-CLICKER- All sections require iClickers, which can be purchased at the bookstore or online. Students must bring their iClicker to every class.
4. Any scientific calculator with basic statistical functions. Many students use a TI-83 Plus or similar calculator, but problems are constructed so that a more advanced calculator affords little advantage.
5. One large blue NCS answer sheet ('scantrons') for Final exam.

LABORATORY SESSIONS:

All students are scheduled for a 110 minute laboratory session in the SE340 computer laboratory where **"Peer Tutors" (PTs)** will be available to provide personalized help both during scheduled sessions and during "free use" time when the Lab (SE340/350) has "open" stations. Access is restricted to students who present a valid FAU student **ID** card. Students are expected to follow the posted rules and regulations in the Lab and chronic violators may be ejected by the instructor or PT in charge.
Some formal Lab time will be set aside for **homework** but most homework should be done before the Lab sessions. Students can retry the some of the harder homework problems in the Lab where they can get immediate help from the PT's, but a majority of the scheduled lab time will be devoted to quizzes and tests. **All quizzes and tests** are

based on prior homework assignments but must be taken under **proctored closed-book** conditions **when scheduled** – late-comers may be turned away.

LECTURE SESSIONS:

The lecture sessions are the main presentation of the course material and serve to guide the students' study of this material via the computer based readings, examples, and homework problems.

Once the lecture has begun all electronic devices (**notably phones & computers**) must be turned off.

ATTENDANCE POLICY:

"Attendance" means arriving on time and staying until dismissed by the instructor or until the required lab hours are completed. Attendance will be recorded in both lecture and lab sessions. An excessive number of unexcused absences will result in a reduction of the Attendance portion of a student's overall grade.

Tutoring is available in the Math Learning Center (MLC), room GS 211; please see the MLC homepage at http://www.math.fau.edu/MLC/

MAKE-UP POLICY

There will be **NO MAKE-UPS** on the quizzes. Anyone missing an exam without an official excuse will receive a zero grade. Any excusable absence, **excluding any personal affairs**, must be documented by a verifiable source, and I must be notified **AT LEAST ONE WEEK** prior to the exam date. If you are absent from an exam due to an emergency, such as car accident and sickness, you must notify me at smoosai@fau.edu **WITHIN 24 HOURS** after the exam, and written verifiable documentation is required.

MyLabsPlus Assignments:

HOMEWORK ASSIGNMENTS

The homework is assigned on MyMathLabs Plus, which will also be used in the course for graded homework assignments and posting of exam scores.

The homework is assigned with due dates. It is important to finish it on time to help you understand the materials and receive the credits. Any problem completed late will incur a 2% per day late penalty. Plan to complete the homework *before its due date* because *l*apses in internet access and outages are generally **NOT** valid excuses for incomplete assignments.

To access homework: log on bb.fau.edu, click into your course, then click the MyLabsPlus link.

 Ultimately, you must purchase access to MyMathLabPlus, either at the bookstore or directly through BB.   Assigned homework in MyMathLabPlus can be completed in any open lab on the Boca Raton campus, or you may complete homework assignments at your home. You are not required to purchase a textbook for this course.   You will have access to the e-book online through *MyMathLabPlus.*   You may use a scientific calculator for quizzes and exams and final. You may NOT use cell phones, or any other electronic devices as calculators. Calculators may NOT be shared during exams.

If you experience computer problems when using your home computer, note that past students (particularly those using Apple computers) have found the following website and/or phone number helpful:

http://www.mymathlab.com/contactus_stu.html 1-888-695-6577

MyLabsPlus:
To access MyMathLabPlus, log on to FAU's Blackboard (https://blackboard.fau.edu/webapps/login/), click on the link to this course, and then click on the link to MyLabsPlus.   The first time through, you must "agree" to Pearson's License Agreement, and then enter an access code.   This code can be purchased at the bookstore or by credit card or PayPal directly from Pearson.   If you wish, you can obtain a temporary access code (valid for 21 days) by clicking on the Temporary Access link; after 21 days you will then be asked to provide a purchased access code.   If you have any difficulties, please contact your instructor.

  You should check the website daily.   (The course homepage will also be accessible through *MyMathLabPlus*). Ignorance of posted information is NOT a valid excuse for missing assignments or quizzes or exams!

QUIZZES
Short **quizzes** based on the homework of that or the previous week are given DURING Lab session. These must be taken at a specific time in the Lab with a lockdown browser and no aids (i.e. no text, videos, or notes). If a student has a documented conflict, he/she may apply for approval to take the quiz earlier. Only in exceptional circumstances (supported by documentation and approved by the instructor) will a make-up quiz be given. Instead, the two lowest quiz grades will not be used in calculating a student's quiz average.

CLASS PARTICIPATION
Excessive talking, rudeness, extremely late arrivals or early departures, possession of a cellular telephone or beeper that disrupts class, etc. may be penalized by whatever means your instructor considers necessary.

Please be adult, be responsible, be respectful and be kind in the classroom.
This includes:
1. Coming to class on time and staying to the end. If you must leave early, let me know at the beginning of the class and leave quietly. If you get here late, enter quietly.
2. No chatting during the lectures. This is a distraction to those of us who are engaged in learning.
3. Being respectful of others who may have different views and backgrounds than your own. There will be zero tolerance for any use of derogatory or vulgar language in the classroom!!!
4. Turning off your cell phones.

Note: If you miss a lecture, it is your own responsibility to get notes from a classmate, not your instructor. Class notes will not be posted online.

Email Policy: All communication with me MUST be using your fau email address and must contain your name, class CRN and section, since I teach multiple classes. I WILL NOT respond to any communication using a free service such as gmail, yahoo etc. since using these free domains tend to present problems.

ACADEMIC MISCONDUCT
The University has an honor code to ensure the academic integrity at FAU. Any kind of academic misconduct will result in an F and will be reported to FAU. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001.

REASONABLE ACCOMMODATIONS
Any student who has a disability that may prevent him or her from fully demonstrating his or

her abilities should contact me personally as soon as possible to make necessary accommodations.

WITHDRAWLS AND INCOMPLETES
Students are responsible for withdrawing themselves from this course if that is what their personal situation requires. The instructor makes no promise either implicit or explicit to withdraw students from the course. If you wish to drop from the course, please do so before the official university deadlines **(August 24, 2012).**
Incompletes are discouraged. They will be given only when extraordinary events intervene so as to make completion of the course impossible. If you want an incomplete, these events must be documented. To receive an incomplete the student must have completed the first two exams with a grade of C or better. Incompletes will not be given to students who are behind schedule when the semester nears its end.

GRADING POLICY
All the test dates are listed in the tentative course outline. (These are subject to change in case of unforeseen circumstances).

Your grade will be calculated based on the following:

Homework/Labs:	25%
Attendance	4%
8 quizzes:	16%
4 mid-term exams:	40%
1 comprehensive final exam:	15%
Total:	100%

The following is the scale used to assign your final grade:
A: 93-100   A-: 90-92   B+: 87-89   B: 83-86   B-: 80-82   C+: 77-79   C: 73-76
C-: 70-72   D+: 67-69   D: 63-66   D-: 60-62   F: 0-59

TENTATIVE COURSE OUTLINE FALL 2012

These topics are subject to change, and will be announced in lectures only.

Dates	Lectures/Labs	Location
8/20	Introduction Read the syllabus, MyLabsPlus access BlackBoard	**SE 340/350 Computer Lab**
8/21	LEC: Section 1.2, 1.3, 1.4	
8/23	LEC: Section 2.1, 2.2, 2.3	
8/27	**Quiz 1**-sections1.2-2.3 **LAB 1**- 2.4	**SE 340/350 Computer Lab**
8/28	LEC: Section 2.5,2.6	
8/30	LEC: Section 2.7, 2.8	
9/03	**LABOR DAY** (Makeup lab has to be done,TBA)	**Quiz 2** –sections 2.4-2.8 **LAB 2**-2.9,3.1
9/04	**Quiz 2** (2.4-2.8) LEC: Section(2.9,3.1,3.2)	
9/06	LEC: Section 3.3, 3.4	
9/10	**EXAM 1** (1.2-3.4)	**SE 340/350 Computer Lab**
9/11	LEC: Section 3.5, 3.6	
9/13	LEC: Section 4.1, 4.2, 4.3	
9/17	**Quiz 3**-sections 3.5-3.6 **LAB 3**-4.3	**SE 340/350 Computer Lab**
9/18	LEC: Section 4.4, 5.1	
9/20	LEC: Section 5.2, 5.3	
9/24	**Quiz 4** (4.1-4.4), **LAB 4**:Section 6.1	**SE 340/350 Computer Lab**
9/25	LEC: Section 6.2,6.3	
9/27	REVIEW	
10/01	**EXAM 2** (3.5-6.3)	**SE 340/350 Computer Lab** Last day to drop without receiving 'F'
10/02	LEC: Section 7.1, 7.2	
10/04	LEC: Section 7.3, 7.4	
10/08	**Quiz 5** (7.1-7.3), **LAB 5:** Section 7.4	**SE 340/350 Computer Lab**
10/09	LEC: Section(7.5, 8.1)	
10/11	LEC: Section(8.2, 8.3)	
10/15	**Quiz 6** (7.4- 8.1), **LAB 6:** Section 8.3	**SE 340/350 Computer Lab**
10/16	LEC: Section 8.3, 8.4	
10/18	LEC: REVIEW	
10/22	**EXAM 3** (7.4-8.4)	**SE 340/350 Computer Lab**
10/23	LEC: Section 8.5, 8.6	
10/25	LEC: Section 8.6	
10/29	**Quiz 7**(8.5-8.6), **LAB 7:** Section 10.1	**SE 340/350 Computer Lab**
10/30	LEC: Section 10.1	
11/01	LEC: Section 11.1	
11/05	**Quiz 8**(10.1) **LAB 8:** Section 11.1	**SE 340/350 Computer Lab**

11/06	LEC: Section 11.2	
11/08	LEC: Section 11.4	
11/12	**Veteran's Day**	**LAB** (Makeup lab has to be done,TBA)
11/13	LEC: Section 11.4	
11/15	LEC:REVIEW	
11/19	**EXAM 4** (8.5-11.2))	**SE 340/350 Computer Lab**
11/20	REVIEW	
11/26	**LAB:** MAKEUP LAB/ASSESSMENT	**SE 340/350 Computer Lab**
11/27	FINALS REVIEW	
12/3	**CUMULATIVE FINAL EXAM**	**SE 340/350 Computer Lab**

LECTURES ARE IN DESIGNATED CLASSROOMS AS PER YOUR CLASS SCHEDULE
LABS/ EXAMS ARE IN SE 340/350