

Statistics 300	–	Introduction to Probability and Statistics (Course Code – 20876)
Time	–	Spring 2011: Tue/Thu 7:00 p.m. to 9:05 p.m. [1/18/2011 to 5/17 /2011]
Room	–	L-112 (bottom floor of Library building – northeast corner)
Instructor	–	Lawrence C. Larsen
Phone	–	(916) 346-6324
Office	–	<no office on campus>
Office Hour	–	After each class from 9:10 to 9:30 p.m.
E-mail:	–	larsenl@crc.losrios.edu
Class Web Site	–	http://crc.losrios.edu/~larsenl (All letters, no numbers)

DROPS: Enrolled students (also wait list) will be dropped by the instructor if they miss the first class session and do not contact the instructor (phone or e-mail) beforehand.

PREREQUISITES

Acceptable prerequisites are college intermediate algebra (Math 120 or Math 125 in the Los Rios District) or a higher math class with a "C" or better, placement into the course through an assessment test, or approval by the CRC counseling office. The Stat300 prerequisite is required at the time of online or in person enrollment. A permission number from the instructor cannot override the prerequisite requirement.

TEXTBOOK and CALCULATOR

Essentials of Statistics, 4th Edition, by Mario F. Triola (Required). The loose leaf version for which you need your own binder was ordered for this class. The paperback version and the e-book version are also OK, should you chose to use them. The 3rd Edition can be used this semester, but it will require extra effort on your part to track with the substantially revised 4th edition. This will be discussed the first class session.

The Texas Instruments Model TI-30X IIS or TI-30X IIB, a simple scientific calculator that can handle two variables (x and y) at the same time, is **“required”** and is widely available for less than \$20.00 (tax included). Advanced graphing calculators, such as the TI-83, are neither required nor recommended. Further information will be given during the first class session.

COURSE OBJECTIVES

1. Develop skills in understanding and applying basic statistical methods.
2. Develop an appreciation for the use of statistics in decision making, and an appreciation of its limitations.
3. Develop an ability to use computers and/or calculators for statistical analysis of data.

COURSE DESCRIPTION

The course covers basic concepts, descriptive statistics, probability, random variables, probability distributions, parameter estimation, hypothesis testing, linear correlation, linear regression, contingency tables, and analysis of variance. Applications are made to business, social sciences, and natural/physical sciences.

ATTENDANCE POLICY

1. Attendance will be recorded each class session.
2. Those who participate remotely are required to call the class phone operator who will record your attendance.
3. CRC Policy defines “excessive” absence as missing more than 6% of the total class hours. This means that missing more than 2 classes during the semester is excessive.

GRADING POLICY

Every student has the opportunity to earn an "A" in the class. Students are in competition with the material, not with each other (i.e., not graded on a “curve”). Grades are based on three exams and about 20 quizzes as follows:

Quizzes	– 25 %	(lowest quiz score will be dropped in each Unit)
Unit1 Exam	– 25 %	(on Thursday, February 24 from 7:00 to 9:05 pm)
Unit2 Exam	– 25 %	(on Tuesday, March 29 from 7:00 to 9:05 pm)
Unit3 Exam	– 25 %	(on Tuesday, May 17 from 8:00 to 10:00 pm)
[no exams will be dropped]		

Exams are “open notes and open book.” Do not plan to look everything up during an exam or quiz. The exams are challenging, and some problems will not “look like” others that you have practiced, though they will involve the same principles. “Open notes and open book” simply means that you will need to be very well organized. If you need to find something in the book or in your notes, you should be able to locate it in about 15 seconds (or even less).

Exercises from the book are assigned for practice in preparation for quizzes and exams. Your work on these exercises will not be handed in and will not be graded, but they are considered part of your notes, so you can refer to them during exams.

Letter grades will be determined by the following schedule:

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

POLICIES

1. Missed exams are very difficult to make up. Check the schedule and plan for all exams. Talk to the instructor well ahead of time if the schedule for an exam cannot work for you.
2. If you decide to drop the class, it is your responsibility to follow the prescribed procedures. If you just stop attending, you may end up with an “F” on your transcript.
3. External communications (phone, text, tweets, etc.) are not appropriate during class. In the classroom, all cell phones must be powered “off” so they do not interfere with the broadcast.
4. Emergency contacts (e.g., pagers for medical needs) are OK. Please let instructor know.
5. Honesty (doing your own work as assigned) is required. Students may collaborate on all practice problems and “take home” quizzes, but you should try them before accepting any help from others. The instructor will follow campus policies on academic integrity. Please take this seriously, get the benefit of doing all your own work, and expect to be caught and reported if you “cheat”. Random seating will likely be assigned for all three exams.

RESOURCES

- Math Center (Enroll in $\frac{1}{4}$ unit for \$5 to get full access for the whole semester)
 - informal tutoring
 - computers special programs for statistical analysis
 - good place to get together and work with others in the class
- MESA (Math/Engineering/Science Achievement) Center
- Instructor
 - Phone or e-mail (call instructor to alert him if you send an e-mail)
 - Phone or e-mail early so your questions in a timely way
- Desire2Learn (D2L) is a gateway to class resources on the web

Important Dates from the CRC website.

Spring Term 2011	Start-End Dates of Terms	Last Day to Drop Class to Qualify for a Refund for Enrollment and Tuition Fee	Last Day to Drop Class Without Notation on Record	Last Day to Drop Class with a "W" Grade	Last Day to Petition for Credit/No Credit
Full Semester	1/17/2011 – 5/18/2011 (Last day to enroll is 1/30/2011)	1/28/2011	2/13/2011	4/17/2011	2/11/2011

CONTACT NUMBERS

CRC Science/Math/Engineering Department (916-691-7204)
CRC Math Center (916-691-7459)
CRC Bookstore (916-691-7319)
CRC Admissions & Records (916-691-7411)