

MATH 103 (2120) Revised 9/14/12

ELEMENTARY STATISTICS

Meets: Monday and Wednesday

Time: 1:20PM-3:10PM

Room: OC3517

INSTRUCTOR CONTACT INFORMATION AND OFFICE HOURS

Instructor: Shannon Gracey

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website: www.mathchick.net

Office: OC 3622

Office Hours: Mondays and Wednesdays from 10:40AM-11:10AM, and Tuesdays and Thursdays from 11:50AM-12:20PM in room OC6322 or by appointment; call or e-mail me, using the contact info written above.

COURSE DESCRIPTION

This course introduces data analysis. Topics include design of experiments, descriptive statistics, correlation and regression, probability, sampling, estimation, and significance testing. Students use appropriate technology to analyze real-world data.

COURSE MATERIALS

Required Text: Essentials of Statistics: 4th Edition, by Triola and Statistics Guided Notebook/For Use With Mario Triola's Essentials of Statistics, 4th Edition, by Shannon Gracey

Calculator: A TI-83 OR TI-84 graphing calculator is REQUIRED. Cell phone calculators *may not be used* on exams.

PREREQUISITES

MATH 101 or MATH 101B with a grade of "C" or better or qualification through the Math Competency Exam or approved equivalent.

QUESTIONS

Questions are an important part of the learning process. If you have a question, please feel free to ask me at any time! If you have a question, there are probably at least 5 other students with the same question. If I cannot answer your question immediately, I will come back to it ASAP.

ATTENDANCE & TARDIES

Each student is responsible for his/her registration in classes. Each student must attend the first class meeting or make arrangements with the instructor if he/she is going to be absent. Failure to attend the first class meeting or excessive unexcused absences, that is, more than 8 hours of missed class time, may result in a student being dropped from this class.

HOMEWORK

- Homework will be collected on exam days at the beginning of the class.
- Homework is graded on completeness.
- Each new assignment must be started on a new paper, be clearly labeled with the chapter, section, and assignment, and stapled.
- In order to be successful in this course, YOU MUST PRACTICE MATH PROBLEMS!!!
- **No late homework will be accepted.**

EXAMS AND QUIZZES

There will be 3 exams and 3 quizzes. No make-ups will be granted. Your score on the final may replace your lowest exam score if your homework percentage is 70% or higher.

DISABILITY SUPPORT SERVICES (DSS)

DSS provides programs and services for students with disabilities. MiraCosta College recommends that students with disabilities discuss academic accommodations with their professors during the first two weeks of class. This syllabus and course handouts are available in alternate media upon request.

TUTORING

The Tutoring & Academic Support Center (TASC) is committed to enhancing student retention and success by providing assistance to students through innovative academic support services. TASC offers a comprehensive, free peer tutoring program for any student enrolled in credit courses at MiraCosta college. Tutoring is available in the Library and Information HUB on the 1st Floor at the Oceanside campus and in the Math Center at both the Oceanside and San Elijo campuses.

BEHAVIOR

- **CHEATING ON ANY TEST OR QUIZ WILL EARN A GRADE OF F!!!
PLAGIARISM (COPYING) OF OTHER PEOPLE'S WORK IS NOT ACCEPTABLE.
Any person caught doing this will get an F on the assignment or test in question and can also potentially be given a grade of F for the course and/or be referred to the college discipline process.**
- You may not use your cell phone during class at any time.
- During class your cell phone/pager should be off.
- If you know you need to leave class early, or if you arrive late, take a seat near the door.
- **RESPECT YOUR FELLOW STUDENTS AT ALL TIMES!!!**

GRADING

Exams (3—NO MAKE-UPS).....	45%
QUIZZES (3—NO MAKE-UPS).....	10%
HOMEWORK (NO LATE ASSIGNMENTS ACCEPTED).....	5%
Project.....	15%
Final (CUMULATIVE).....	25%
A: 90%—100% B: 80%— 89% C: 70%— 79% D: 60%— 69% F: 59% and below	
<i>Final grades are left to the discretion of the instructor.</i>	

STUDENT LEARNING OUTCOMES

Upon successful completion of Math 103, the student should be able to:

1. Give an appropriate descriptive summary, including the shape, center, spread and outliers of the distribution, from a set of raw data.
2. Analyze the relationship between two variables using the scatterplot, correlation coefficient, and the least squares regression line.
3. Student will be able to use the normal distribution to find approximate solutions to problems about sample means and sample proportions.

GRACEY/MATH 103 TENTATIVE FALL 2012 SCHEDULE

MONTH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
AUGUST	20	21	22	23
	Intro, 1.1-1.3		1.4-1.5	
AUGUST	27	28	29	30
	2.1-2.3		QUIZ 1/CH. 1 2.4-2.5	
SEPTEMBER	3	4	5	6
	HOLIDAY		3.1-3.2	
SEPTEMBER	10	11	12	13
	3.3-3.4		REVIEW	
SEPTEMBER	17	18	19	20
	EXAM 1/ CH. 2-3		4.1-4.3	
SEPTEMBER	24	25	26	27
	4.4-4.5		4.6, 5.1, 5.2	
OCTOBER	1	2	3	4
	QUIZ 2/CH. 4 5.3-5.4		6.1-6.3	
OCTOBER	8	9	10	11
	6.3, 6.5		REVIEW	

OCTOBER	15	16	17	18
	EXAM 2/ CH. 5-6		7.1, 7.2	
OCTOBER	22	23	24	25
	7.3		7.4	
OCTOBER/ NOVEMBER	29	30	31	1
	QUIZ 3/CH. 7			
	8.1-8.2		8.3-8.4	
NOVEMBER	5	6	7	8
	8.4-8.5		9.1-9.3	
NOVEMBER	12	13	14	15
	HOLIDAY		9.3-9.4	
NOVEMBER	19	20	21	22
	REVIEW	EXAM 3/CH. 8-9	HOLIDAY	
NOVEMBER	26	27	28	29
	10.1-10.2		10.2-10.3	
DECEMBER	3	4	5	6
	11.1-11.2		11.2-11.3	
DECEMBER	10	11	12	13
			FINAL EXAM (1-3PM)	
	REVIEW			
DECEMBER	17			
	NO CLASS			

IMPORTANT DATES

F A L L

Aug 17 All-College Day
 Aug 20 Classes Begin
 Aug 31 Last Day to Add Classes
 Aug 31 *No "W" Deadline
 Sept 4 First Census
 Sept 24 **30% Pass/No Pass Deadline
 Nov 16 ***75% Withdrawal Deadline
 Dec 11-17 Final Exams
 Dec 24-Jan 1 Campus Closed

S P R I N G

Jan 14 Classes Begin
 Jan 25 Last Day to Add Classes
 Jan 25 *No "W" Deadline
 Jan 28 First Census
 Feb 14 **30% Pass/No Pass Deadline
 Mar 11-16 Spring Break
 Apr 19 ***75% Withdrawal Deadline
 May 14-20 Final Exams

May 17 Commencement

* Last day to withdraw from classes without a "W"

** Last day for exercising pass/no pass option

*** Last day for exercising option to withdraw without an evaluative grade (A,B,C,D,F,Pass,No Pass)

July 4 Independence Day (Legal Holiday)
 Sept 3 Labor Day (Legal Holiday)
 Nov 12 Veterans Day (Observance)
 Nov 22 Thanksgiving Day (Legal Holiday)
 Nov 23 Day after Thanksgiving (Local Holiday)
 Dec 24-Jan 1 Winter Closure
 Dec 25 Christmas (Legal Holiday)
 Jan 1 New Year's Day (Legal Holiday)
 Jan 21 Martin Luther King, Jr. Day (Legal Holiday)
 Feb 15 Lincoln Day (Legal Holiday)
 Feb 18 Washington Day (Legal Holiday)
 Mar 15 Friday of Spring Break (Local Holiday)
 May 27 Memorial Day (Legal Holiday)