Math 119 Elementary Statistics Imperial Valley College Summer 2013

Class Number: *30129* **(4 credit units)**
Room: 2722
MTWTh 5:30pm-8:20pm

Instructor:	Rick Castrapel
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Textbook:	Essentials of Statistics, 4rd Edition, Triola
	ISBN-13: 9780321641496
	MathXL (required)
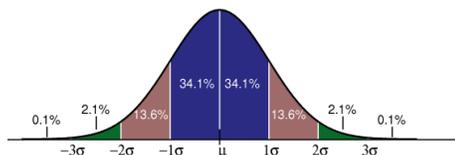
Description: Graphical representation of statistical data, calculations, and uses of various averages, measures of variability, introduction to probability, probability distributions, confidence intervals, sample size determination and hypothesis testing, ANOVA, linear regression and Chi-square analysis.

Prerequisites: MATH 91 or equivalent college course with "C" or better, or eligibility determined by placement.

Calculator: A scientific calculator capable of statistical calculations, such as the TI30X-IIS is required. A TI 83/84 is highly recommended and will be used for classroom demonstrations. You may not share calculators during tests. TI 83 plus calculators may be rented from the Math Lab.

Cell Phones: Keep cell phones turned off during class. You may not use a cell phone as a calculator during tests.

Keys to Success: 1. Attitude, Attitude, Attitude 2. Attend Class Regularly
3. Do Your Homework   4. Study

Keeping Up: Don't let yourself fall behind. If you feel you are slipping, **SEE ME**. This is **urgent**. It is my goal and that of the Imperial Valley College Math Dept. that you succeed. Sign up for free tutorial service offered by the **Math Lab room 2500.**

Homework: In mathematics, homework is crucial. Homework is assigned through **MathXL** and done online. See the attached flyer. Please ask questions about the homework in class.

Labs: There will be 4 lab sessions in the Math Lab room 2500. These are not optional. They are part of the course. Skipping labs will directly affect your grade.

Project: There will be a team video project to present a hypothesis test and conclusion. If nobody on your team has a cell phone capable of recording video, let me know and I will find you equipment.

Dropping: You may be dropped from this class if you miss the first day or if you miss three or more class sessions total. The last day to drop this class is July 23. After that date, I must give you a letter grade. It is your responsibility to drop, not mine.

DSP&S: Any student with a documented disability who may need educational accommodations should notify the Disabled Student Programs and Services (DSP&S) office as soon as possible. Room 2117 Health Sciences Building (760) 355-6312.

Grading: There will be 5 midterm tests, worth 100 points each. The lowest score of the midterm tests will be dropped. There will be a comprehensive final exam worth 200 points. Your homework is worth 100 points. Labs are 200 points total. A team project worth 100 points will be assigned. **No early or make-up tests will be given.**

<table>
<tr><td colspan="2" align="center">Grading Policy</td><td></td><td colspan="2" align="center">Grading Scale</td></tr>
<tr><td>Midterm Tests</td><td>400 points</td><td></td><td>90-100 %</td><td>A</td></tr>
<tr><td>MathXL Homework</td><td>100 points</td><td></td><td>80-89%</td><td>B</td></tr>
<tr><td>Project</td><td>100 points</td><td></td><td>70-79 %</td><td>C</td></tr>
<tr><td>Labs</td><td>200 points</td><td></td><td>60-69 %</td><td>D</td></tr>
<tr><td>Final Exam</td><td>200 points</td><td></td><td>< 60 %</td><td>F</td></tr>
<tr><td>Total</td><td>1000 points</td><td></td><td></td><td></td></tr>
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Academic Integrity is assumed and necessary. Disruptive students will be required to leave the class for the day. Continued disruptive behavior, cheating or plagiarism may result in severe academic penalty. See the college bulletin.

Math 119 Summer 2013 Tentative Schedule

Date	Text	Event	Notes
06/24/13	1-2,1-3,1-4,1-5		Introduction to Statistics
06/25/13	2-2, 2-3,2-4,2-5		Summarizing and Graphing Data
06/26/13	3-2,3-3,3-4		Statistics for Describing Data
06/27/13		Lab Rm 2500	Measures
07/01/13	4-1, 4-2	**Test 1**	**Chapters 1, 2 and 3** Basic Concepts of Probability
07/02/13	4-3, 4-4	**Craps**	Addition Rule, Basic Multiplication Rule, Examples: Craps
07/03/13	4-5,4-6,5-2		Mult. Rule, Counting, Random Variables
07/04/13		**Holiday**	**Independence Day**
07/08/13		Lab Rm 2500	Discrete Probability Distributions
07/09/13	5-3, 5-4		Binomial Distribution, Poisson Distribution
07/10/13	6-2, 6-3	**Test 2**	**Chapters 4 and 5** Introduction to Normal Distribution
07/11/13	6-4,6-5,6-6		Normal Distribution
07/15/13		Lab Rm 2500	Normal Distribution
07/16/13	7-1, 7-2, 7-3		Estimates of proportions, means with σ known
07/17/13	7-4, 7-5		Estimates of means with σ unknown, variances
07/18/13	8-1, 8-2	**Test 3 Projects Assigned**	**Chapters 6 and 7** Basics of hypothesis testing
07/22/13	8-3,8-4,8-5,8-6		Hypothesis Testing
07/23/13		Lab Rm 2500	Hypothesis Testing
07/24/13	9-1, 9-2	**Test 4**	**Chapter 8** Inferences about two proportions
07/25/13	9-3, 9-4		Inferences about two means, indep. and dep.
07/29/13	10-1, 10-2, 10.3		Linear Correlation and Regression
07/30/13	11-3,11-4(12-2)		Contingency Tables, ANOVA
07/31/13		**Test 5 Project Reports**	**Chapters 9, 10-2, 10-3, 11-3, 11-4**
08/01/13	**Final Exam**		**Comprehensive Final**

MathXL®

How to Register and Enroll in Your Course

Welcome to MathXL! Your instructor has set up a MathXL course for you.

> The course name is: Math 119 Statistics Su'13 5:30pm 30129

> It is based on this textbook: *Triola: Elementary Statistics, 10e*

To join this course, you need to register for MathXL and then enroll in the course.

1. Registering for MathXL

Before you begin, make sure you have the access code that comes with your MathXL Access Kit.

To register or buy access, go to www.mathxl.com, click the **Student** button in the Register section, and then follow the instructions on the screen.

2. Enrolling in your instructor's course

After registering, log in to MathXL with your username and password. To enroll in this course, enter the following Course ID:

The Course ID for your course is: XL18-G1R5-501Y-53Y2

Need more help?

To view a complete set of instructions on registering and enrolling, go to www.mathxl.com and visit the Tours page.