

# Introduction to Probability and Statistics (Online) Syllabus

## Spring 2013

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<b>Courseware</b>	<a href="http://mymathlab.com/">http://mymathlab.com/</a>	<b>CourseID</b>	Lapuz69669
<b>Hours</b>	Tuesdays 11:00am - 12:00n at the Learning Center		

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### Prerequisites:

Satisfactory completion of Math 120 with a grade of C or better or appropriate score on the college placement test.

### Course Description:

Measures of central tendency and dispersion; sampling distributions, statistical inference, hypothesis testing, regression/correlation, contingency tables.

### Course Materials:

Text: *ESSENTIALS OF STATISTICS*, 4th Edition, by Mario Triola.

Calculator: Graphing Calculator: TI-84 (preferred) or TI-83.

Computer Access: Computer with internet access and with necessary software and plug-ins.

### Student Learning Outcomes:

By the end of this course, you will be able to...

- Define statistical terms.
- Compute basic descriptive statistics.
- Compute basic probability problems.
- State the Central Limit Theorem and give examples of applications.
- Given an inferential statistics problem, identify the appropriate hypothesis test, perform the hypothesis test, and interpret the results.

### Resources:

- The Learning Center: Cañada College has an excellent well-staffed Learning Center in the second floor of building 9. There are individual tutors and drop in tutors available for most of the day and some evenings. Computers are available to access the courseware. This is also the best option to take the proctored exams.
- DSPS: If you have a disability which may require classroom or test accommodations, please contact Disabled Students Programs and Services:  
<http://www.canadacollege.net/student/disabledservices.html>.

### Academic Integrity Policy:

Academic Integrity Policy: DO NOT CHEAT!!! Cheating will result in a failing grade in the assignment and will be reported to the VP of Student Services. For more information, visit: [http://www.canadacollege.edu/inside/acad\\_integrity/](http://www.canadacollege.edu/inside/acad_integrity/).

## Grading:

Your course grade will be based on the following:

- **Homework (10%):** Homework can be found on the online courseware and should be done online. These problems quickly assess your learning and understanding of the materials covered in the text. Homework assignments will be automatically graded. You are allowed to make up SEVEN homework assignments for the semester.

**Make Up Policy:** To make up a homework assignment, send me an email with the subject titled: **"MAKE UP HOMEWORK."** In the body of the message, clearly state the section you want to make up and give an excuse of why you did not complete the homework. You will have up to one week to make up.

- **Quizzes (10%):** Since the homework assignments do not cover statistics from a holistic point of view, you will periodically be quizzes that mimic the exam questions. Each quiz has 10 points; points are deducted for errors. There is a two point deduction for quizzes submitted up to two days late; quizzes will not be accepted three or more days after the due date since solutions will be posted at this time.
- **Exams (40%):** There will be two proctored midterm exam with 100 points. Toward the end of the semester, there will be an optional opportunity to make up ONE of the exam to gain up to half of the points that you missed. Details will be posted after the second exam.
- **Final Exam(35%):** The final exam is comprehensive with 200 points. It will have two parts: an online portion and a proctored portion. Details will be available online near the end of the term.
- **Journals (5%):** Journal assignments come in two different forms: assessments, self-evaluations, and write-ups. Some of these assignments will be "free-response" to be submitted online and others will be discussion board responses to share with the class.
- **Study Plan Tutorials (2.5% extra credit):** As you go over the text, there are study plan problems where you can practice homework type problems. These problems are tracked online and will be used as extra credit for the final overall grade. The study plan problems are due on the last day of classes.

**A standard grading scheme will apply:**

90%+: **A**; 80%-89.9%: **B**; 70%-79.9%: **C**; 60%-69.9%: **D**; below 60%: **F**

## The Courseware:

We will be using the publisher provided course site: <http://mymathlab.com/>. You will need to purchase an access code to register for this site using the courseID: **lapuz69669**; access code is available either from the bookstore or online. If you are waiting for financial aid, you can obtain a temporary code for 17 days. It is important to gain access to the course site from the beginning. The course site has the following menu items:

- **MML Home** has the announcements and a summary of your progress.
- **Course Materials** contains syllabus/schedule, calculator notes, and other handouts.
- **HOMEWORK** is a link that takes you to the homework assignments for the semester.
- **Assignments** has Journal Assignments and Quizzes.
- **Discussion Board** has a forums related to the journals and one for class use.
- **eBook** is the link to access the textbook with interactive links.
- **Gradebook** takes you to your current grade.
- **Multimedia Library** is a way to access most of the resources available for this course.
- **STUDY PLAN** are problems you can practice and will count toward extra credit.

January 9, 2013

Dear Math 200 Online Students,

Welcome to our online adventure in Statistics.

You are receiving this because you have signed up for Math 200, Elementary Probability and Statistics. This 18-week semester course runs from Jan 15 through May 24, 2013.

Although this is an online course, the exams that you will take will need to be proctored. The easiest proctoring environment is through our Learning Center. However, we can make arrangements to have a different proctoring site, if needed. This will require communication and coordination, so arrangements need to be made in advanced.

This online course will be using MyMathLab (<http://mymathlab.com/>). You will be completing your homework via this course management system. Aside from the homework, you will be able to obtain announcements and other assignments from this site. The whole textbook can be accessed online, so you should purchase the actual text if you need to have a hardcopy of the text to read or want to keep a copy of the book at the end of the semester.

Before registering for this site, you will need a courseID (lapuz69669), a valid email address, and an access code or a credit card that you plan to use to purchase access to this site. You can buy an access code from the bookstore, along with the text, or by itself; there is also a 17 day trial period option so that you can be keep up with the course as you wait for your financial aid to come in. If you wish to register, go to the MyMathLab site and click on "Student" under the "Register" Section. Once you register, feel free to browse around. Some of the contents of the site will be explored during the orientation.

Cañada College has many services for students such as the Counseling Center (<http://www.canadacollege.edu/student/counselingcenter.html>) and the Disability Resource Center (<http://www.canadacollege.edu/student/disabledservices.html>). For other resources, go to <http://www.canadacollege.edu/student/index.html>.

So, are you ready for an online course? Here are a few websites to check yourself:

Cerro Coso: <http://www.cerrocoso.edu/studentservices/heather/quizaccess.htm>

Palomar: <http://www.palomar.edu/areyouready/>

Basically, if you have reliable access to the internet, are self-motivated, and can devote a good amount of time for this class, then you may be for you.

We will be discussing this and more about the class in more detail. Until then, you can contact me at [rlapuz2@my.smccd.edu](mailto:rlapuz2@my.smccd.edu). You can also check my website at <http://smccd.edu/accounts/lapuz/> for the syllabus, schedule and other details.

See you at the Orientation – January 15, 4:10-5:00pm in Room 17-103.

Ray Lapuz