

Cañada College

Math 200 (Section AC) Introduction to Probability & Statistics Syllabus Spring 2010
T Th 10:10 am – 12:00 pm Room 17-209

Instructor: Raymond M. Lapuz

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Website: <http://www.smccd.net/accounts/lapuz> (instructor's website)
<http://coursecompass.com> (course materials website)

Office Hours: Mondays 2:30-3:30 at the Learning Center; by appointment

Hours by Arrangement: TBA (Learning Center)

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

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

Some 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.

Required Materials:

Text: Essentials of Statistics Third Edition, by Triola

Calculator: TI-83/84 Graphing Calculator

Attendance: Attendance will be taken at the beginning of each class meeting. Absences and tardies will be noted and I reserve the right to drop any student who is consistently absent or late.

Participation: Questions pertaining to the course are welcome in the class meetings. Students are encouraged to ask questions in class; if there is not enough time to answer the questions in class, office hours and workshops would be good time to ask.

Academic Integrity Policy:

DO NOT CHEAT!!! Cheating will result in a failing grade in the assignment and will be reported to the Vice President of Student Services. For more information regarding the school's policy, visit:

http://www.canadacollege.edu/inside/acad_integrity/.

Other Resources:

The Learning Center: Cañada College has an excellent well-staffed Learning Center in the second floor of building 9. There are individual tutors available. There is a Math Lab where Nancy Ward, Frank Austin and other instructors and tutors can be available for questions. There are also computers where you can access information about the course through the web and other statistical programs necessary for projects.

Courseware: CourseCompass has the whole textbook as well as a variety of other resources available to the subscriber. There are powerpoint presentations, video lectures and online tutors, just to mention a few.

Your course grade will be based on the following:

Homework	10%
Quizzes	10%
Exams	40%
Final Exam	35%
Journals	5%

Homework: Homework will be assigned online through CourseCompass. Each homework assignment will cover one chapter in the textbook and will be due about a week after the last section in the chapter has been covered in class.

Quizzes: There will be quizzes. These will be short answer questions that would be done outside of class.

Exams: There will be two exams. Each exam will cover four chapters from the book and will be announced one week in advance.

Exam 1: Chapters 1-5:

Exam 2: Chapters 6-8:

Chapters 9-11 will be covered on the final exam.

Final Exam: The comprehensive final exam is on Thurs, May 27, at 11:10 am – 1:40 pm. You must score at least 50% on the final exam in order to pass the class. Any score that is less than 50% will result in a score of 0 on the final exam and a failing grade

Journals: Journal assignments come in 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.

First Journal Assignment: Math Autobiography

Write about your background in math, beginning as far back as you can remember. Describe successes, failures, pleasant experiences, frustrations, and your confidence in your math abilities in the past and present. Discuss your strengths and weaknesses, and how they were developed. Also, describe what kind of math you see yourself doing in the future.

“There are three types of lies: lies, damn lies, and statistics.”

-- M. Twain