

# Cañada College

Spring 2010

## Math 200 OLH

### Online Introduction to Probability & Statistics Syllabus

Mandatory Orientation: Wednesday, January 20, 2010, 4:10pm-5:50pm; Room 17-103

Instructor's Website: <http://www.smccd.edu/accounts/lapuz>

Online Courseware: <http://www.coursecompass.com>

**Instructor:** Raymond M. Lapuz

**Office:** 18-314

**Office Hours:** Mondays, 2:30pm-3:30pm in the Learning Center and by arrangement.

### Contact Information:

**Phone:** (650) 306-3290 (email is preferred)

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### Prerequisite:

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

### Catalog Description:

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

### 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.

### 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/](http://www.canadacollege.edu/inside/acad_integrity/).

### Required Materials:

#### Text and Technology:

Essentials of Statistics 3<sup>rd</sup> edition, by Triola (text can also be found online).

Access to CourseCompass courseware (from bookstore or purchase online).

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

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

**Reading the Text:**

Since there are no lectures it will be important to read through the text. You should at least skim over the section before attempting the assignments. Also, with the “interactive” online textbook, you can find other multimedia resources such as videos, animated applets that help uncover the concepts discussed in the text.

**Checking the Courseware:**

This class is NOT a self paced class. You should check the courseware periodically and be aware of assignments and deadlines. Most of this information can be found under the announcements page and, if necessary, would have links to other pages in the courseware.

**On-campus Requirements:**

Although this is an online course, you will be required to be come to campus for the following meetings:

- (1) Mandatory Orientation;
- (2) Two Midterm Exams [check online site for dates]; and
- (3) The Final Exam [check online site for dates].

In addition, there will be periodic office hours which are optional – to be announced.

**Your course grade will be based on the following:**

Journals/Discussion Board Check Ins	5%
Homework Assignments	10%
Quizzes	10%
Midterm Exams	40%
Final Exam	35%
Study Plan Tutorials	Extra Credit: 2.5%

**Final Grades will be assigned according to your overall percentage:**

A:	90.00% and above.
B:	80.00% to 89.99%
C:	70.00% to 79.99%
D:	60.00% to 69.99%
F:	Below 60%

**Grades Update:**

Grades are updated online periodically.

**Journal/ Discussion Board Check Ins:** 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. The purpose for the discussion board assignments is to encourage you to check, post, and reply to the discussions in the discussion board. These will be assigned periodically under Assignments.

**Grading and Late Policy:**

10 points for completed assignment.

8 points if submitted incorrectly. 2 point deduction for each day late.

**Homework Assignments:** 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.

**Grading and Late Policy:**

Homework assignments will be automatically graded.

You are allowed to make up TWO homework assignments for the semester.

\*\*To make up a homework assignment, email me with the subject titled: "MAKE UP HOMEWORK." In the body of the message, 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:** Since the homework assignments do not cover statistics from a holistic point of view, you will periodically be quizzes that mimic the exam questions. These quizzes might be from the problems sets in the text or questions posed online. Check under Assignments.

**Grading and Late Policy:**

Start with 10 points; points deducted for errors.

3 point deduction for each day late.

**Midterm Exams:** 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 more points. Details will be posted after the second exam.

**Final Exams:** The final exam is comprehensive with 200 points. It will have two parts: a take home portion and a proctored portion. The take home portion will be available online for download/print and will be due when you come in to take the proctored portion. Details will be available online near the end of the term.

**Study Plan Tutorials:** 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.

*"There are three types of lies: lies, damn lies, and statistics."*

-- M.Twain