Math 10 – Statistics – Winter 2015 Syllabus

Instructor: Maurice (Mo) Geraghty
Email: geraghtymo@deanza.edu
Website: http://nebula2.deanza.edu/~mo

Office Location/Phone: S-49A (408) 864-5383

Office Hours: M 12:30-1:20   Tu 6:20-7:00
W 11:30-12:20   Th 11:30-1:00 (in LCW110)

Required Materials: Textbook – *Collaborative Statistics* by Illowsky/Dean **(online or printed copy)**
Textbook – *Inferential Statistics and Hypothesis Testing* by Geraghty **(online only)**

Calculator – Scientific Calculator is sufficient. **Cell phone calculators are not allowed on exams.**

Access to a computer outside of class; we will be using the computer lab and Minitab . Also, you will need an e-mail address and access to the Internet. Course topics, homework, exam information, handouts, data sets, and other information will be posted on the website.

Grading: Grading will be based on the following criteria. **Grades are not negotiable.**

* * * * * * * * * *Grading Scale (points) * * * * * * * * *		
524 - 543 = A+	502 - 523 = A	486 - 501 = A-
470 - 485 = B+	448 - 469 = B	432 - 447 = B-
405 - 431 = C+	378 - 404 = C	351 - 377 = D+
324 - 350 = D	0 - 323 = F	

Grading Criteria	
Exams:	200 pts
Final:	120 pts
Project:	100 pts
Labs:	60 pts
Homework:	63 pts

Homework: Completed Homework must be turned in by the due date, but should be completely daily. Homework assignments may also be posted on the website. Your 9 highest HW scores will count towards your grade. **There is no credit for late homework**.

Exams: There will be two exams during the quarter. Your final exam (converted to a percentage) will replace your lowest scoring exam if it improves your grade. **There are no make-up exams.**

Final Exam: A comprehensive exam will be given on the final exam date.

Project: Some assignments will be part of a the Research Project which will be worked on throughout the term. The final project will be due on the dates shown on the Project Handout. There are also interim deadlines as explained in the Project Handout. Projects can be done in groups of up to 4 people.

Computer Lab: Lab classes will be held in the math computer lab: S42. You will use Excel, Mintab and other statistical software in analyzing data, learning statistical models and working on the class project. Computer labs can be done in groups and be turned in by the due date. **There is no credit for late labs**.

Adding/Dropping: If you choose not to complete the course, it is your responsibility to officially drop or withdraw from the course by the deadline date. **I will not sign late drop or withdrawal forms.**

Attendance: It is expected that you attend both the lecture and labs. Attendance means arriving on time and staying the entire scheduled period.

Changes: Information in this syllabus may be changed during the quarter, but you will be informed in advance.

Other Information: All students are expected to understand the college policy on cheating as outlined in the student handbook. **Plagiarism (submitting another's work as your own) will result in an immediate failure for the course for your entire group.**
Cell phones and pagers should be turned off. Please arrive on time and stay the entire period.
Read the **Frequently Asked Questions** on the website for other policies and procedures.
Student Learning Outcomes (SLO's) are posted on the class website.

If you feel that you may need an accommodation based on the impact of a disability, you should contact me privately to discuss your specific needs. Also, please contact Disability Support Services (864-8753) or Educational Diagnostic Center (864-8839) for information or questions about eligibility, services and accommodations for physical (DSS), psychological (DSS) or learning (EDC) disabilities.

Student Learning Outcomes - Math 10

Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.

Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.

Tentative Schedule - Math 10
Winter Quarter - 2015

	Monday	Tuesday	Wednesday	Thursday	Friday
Jan	5 **Part 1**	6 **Part 1** **HW 0**	7 **Part 1**	8 **Lab**	9
Jan	12 **Part 1/2**	13 **Part 2** **HW 1**	14 **Part 2**	15 **Lab** **Proj Pt 1**	16 **Drop Deadline (Jan 19)**
Jan	19 **Holiday**	20 **Part 2**	21 **Part 3** **HW 2**	22 **Lab** **Lab 1 Due**	23
Jan	26 **Part 3**	27 **Part 4** **HW 3**	28 **Part 4**	29 **Lab** **Proj Pt 2**	30
Feb	2 **Review**	3 **Exam 1** **HW 4**	4 **Part 5**	5 **Lab** **Lab 2 Due**	6
Feb	9 **Part 5**	10 **Part 5**	11 **Part 6** **HW 5**	12 **Lab** **Proj Pt 3**	13
Feb	16 **Holiday**	17 **Part 6**	18 **Part 6**	19 **Lab**	20
Feb	23 **Part 6**	24 **Part 6/7**	25 **Part 7** **HW 6**	26 **Lab** **Proj Pt 4**	27 **Withdraw Deadline**
Mar	2 **Part 7**	3 **Review**	4 **Exam 2** **HW 7**	5 **Lab** **Lab 3 Due**	6
Mar	9 **Part 8**	10 **Part 8**	11 **Part 8**	12 **Lab** **HW 8**	13
Mar	16 **Part 9**	17 **Part 9**	18 **Part 9**	19 **Lab** **Lab 4 Due**	20
Mar	23 **Review** **Proj Pt 5**	24	25 **Final Exam 1:45-3:45** **HW 9**	26	27