Syllabus
Math 12 Elementary Statistics - Online
Spring 2009

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Class Website: www.coursecompass.com

Course Materials
1. A computer: PC or Mac. Do you have a backup plan? There are computers on campus in the Math Learning Center (1074) and the Computer Technology Centers (Aptos, Building 1400 and Watsonville) available for student use. (http://www.cabrillo.edu/services/ctc)
2. Elementary Statistics For the TI83/84 Plus, 2nd ed., by Triola. This is available completely online (including the solutions manual) when an Access Code is purchased through the bookstore or online at coursecompass.com. To register or purchase online, you'll need a course ID from the instructor. You may wish to purchase a hard copy of the text or solutions manual - this is optional.
3. A TI-83/84 Plus or Silver Edition calculator is required. Students possessing an alternate calculator must take responsibility for being able to complete the material. Please contact me with any questions about your calculator.

Course Outcomes
By the end of the course, your success will be clearly demonstrated by the following skills:

- Ability to distinguish and evaluate data production methods: sampling, surveys, observational studies, experiments.
- Ability to describe, distinguish, and explain various data features (e.g., shape, center, spread, and relationships).
- Ability to calculate certain statistics on your calculator -- sample means and standard deviations, correlation coefficients and slopes and intercepts, binomial probabilities, sampling standard errors, Z values and t statistics. We will also investigate other distributions (F, chi-square) and hypothesis testing. The text provides detailed instructions for the TI-83/84.
- Ability to calculate and interpret the meaning of probability in various settings.
- Ability to choose appropriate statistical tools for different settings and use them appropriately.
- Ability to develop appropriate interpretations and conclusions from statistical research and calculator results.

Student Responsibilities
As an online student, your success strongly depends on your organization, motivation, determination and commitment to this course. All of these attributes will allow you to prioritize your schedule so that you have the amount of time necessary to complete this course. It is your responsibility to check both your email and the course website at least twice a week. This is the only way you will be able to remain involved in the course and be aware of any changes or announcements regarding the course. If you do not communicate with your instructor for more than two weeks, you may be dropped from the course.

Contact me immediately if you have scheduling problems so we can find a solution.

Accommodations
I encourage students with disabilities, including invisible disabilities, to explain their needs and appropriate accommodations to me. Please bring a verification of your disability from the Learning Skills or DSPS offices along with a counselor’s recommendations.
Grading
Your grade will be based on the number of points you earn out of 650 points possible.

- **Exam 1**: 100 points (Ch.1-4)
- **Exam 2**: 100 points (Ch.5-6)
- **Exam 3**: 100 points (Ch.7-8)
- **Final**: 200 points (Ch.1-12)
- **Homework (online)**: 60 points (% completed x 60 possible points)
- **Homework (written)**: 30 points (3 points x 10 assignments)
- **Participation/Lab**: 60 points (15 points per exam period)

90% or 585 pts = A
80% or 520 pts = B
70% or 455 pts = C
60% or 390 pts = D
<60% or <390 pts = F

may be taken Pass/No pass

Exams
Before each exam I will post a review for the exam - see Instructor Notes. There are also Practice Tests available online for each chapter - see Homework. I will provide a packet of notes at each exam - the notes may be viewed within the Online Text - Formulas and Tables. In addition, a 3"x5" index card of notes may be used for each of the first three exams, and a page of notes may be used on the final. You may use your calculator. No cell phones, PDAs or other devices are allowed.

There are no make-ups for the exams and exams may not be taken late. Exams can be scheduled earlier than the exam day as needed. If you have an excused absence on the exam day, I will take your final exam percent score and use this score for the missed exam. This can only occur once during the semester.

If you are caught cheating on an exam, you will receive 0 points for that exam. If you are caught cheating a second time, you will be dropped from the course.

Homework (online)
There are due dates listed in the Homework (online) link. I have also posted a Suggested Pacing. You may not have time to complete all the material if you leave it all until right before a due date. Online homework cannot be submitted after a due date, so please plan accordingly.

The online homework provides instant feedback. The computer is very picky about correct rounding! If you miss a problem, you can try a similar problem to receive full credit, so hopefully you'll earn 100% on all the online homework. However, you need to score at least 80% to receive credit for a section. Be sure to click "Submit" to receive credit. You can revise submitted work up until the due date. I will drop your one lowest online score.

Homework (paper)
You will complete a collection of written work, to be turned in at each exam. Cover sheets are posted in the Homework (paper) section. Please print and attach the cover sheet to your work. Again, use the suggested pacing to help you complete the material on time. Note that Chapters 1 and 2 and also Chapters 11 and 12 will combined into one assignment.

Participation/Lab
Various activities will require your participation during the semester. You can earn points by posting questions or discussions in the online forums and by attending office hours and review sessions. Instructions can be found in the Participation link. There are 15 points possible per exam period.