Online Math 142-5352/5353 Fall 2010
Elementary Statistics with Probability  Credits=4

Instructor: Holly Kresch  Office: MA116
Voicemail: (925) 685-1230 ext. 2825  email: hkresch@dvc.edu

Course Times/Location:
All the sections have an introductory orientation and three on campus exams on Saturdays at 10am in MA101 (Pleasant Hill Campus).

- Face to Face Orientation: 8/21/2010, 10-11am (on campus) or
- An Online Orientation: 8/23/2010, 12 noon - 1 pm at http://cccconfer.org. After going to the website, click the student log in button under the “Teach and Confer” logo. The passcode will be: 968434. For the audio portion, call 888-886-3951 with the same passcode. Plan on logging in by 11:45am. You’ll have to allow the download of a little bit of software to make it all work but it is very quick and not difficult. Students are strongly encouraged to attend one of the orientations.
- Face to Face Exams: 10/2/10 and 11/6/10 10am-12 noon (no makeups unless arranged in advance).
- Face to Face Comprehensive Final Exam: 12/11/10 10am – 12 noon
Mark these dates on your calendars!

Office Hours:  On Campus, MW: 10:30-11:30 am, TTh: 11:30am-12pm and 1:50-2:20pm.
Online: Tuesdays 5-6pm at http://cccconfer.org. After going to the website, click the student log in button under the “Office Hours” logo. The passcode will be: 879662. For the audio portion, call 888-886-3951 with the same passcode.

Prerequisite: Math 120, Intermediate Algebra, or equivalent. Go to the DVC Assessment Center and/or admissions for placement. I have no authority to validate your prerequisites!

Text: We will be using Elementary Statistics 11th edition, by Mario Triola with Course Compass/MyMathLab student registration code. The text is available online in a multimedia format along with interactive homework, animations, videos and many supplements. All of this is included with the Course Compass access for approximately $75. Purchase of a hardcover text is optional but they are available at the DVC Book Center as a package that includes the text, printed student solutions manual and the online access to Course Compass. The cost for the package is approximately $109. Some students buy the online access and use an older edition (inexpensive) hardcover text for convenience.

Course Compass ID: If you wish to register prior to the orientation you will need a student access code or a credit card, a valid email address and the Course Compass ID: kresch15173. Go to http://coursecompass.com and follow the directions. The course will be available for registration at Course Compass on Monday 8/16/20. All students must be registered at Course Compass by Friday 8/27/10 or they will be dropped from the course. The phone number for technical support at Course Compass is 800-677-6337.
Other Materials: TI83/84 Graphing Calculator, binder or folder to keep organized, ruler, #2 pencils, eraser, 3 scantrons type 2052 or 882E. If you wish to use a different calculator that is fine with me but you are on your own to figure it out.

Important Dates:
Last Day to Add: 9/2/10
Last day to drop without a "W": 9/25/10
Last day to withdraw: 11/19/10
Last day to withdraw with a refund: 9/3/10

Student Learning Outcomes: The purpose of this course is to introduce the student to the study of statistics and probability. Students will use and apply statistical methods to analyze real world problems through the use of descriptive and inferential methods.
1. SLO #1: Correctly apply concepts of statistics to solve actual statistical problems from a variety of disciplines such as business, social and behavioral sciences, natural sciences, etc.
2. SLO#2: Use statistical procedures for the presentation and summary of data.
3. SLO#3: Employ the basics rules of probability and its relationship to statistics.

Evaluation and Grading Criteria:
Projects: 10%
Online Homework: 30%
2 Exams: 25%
Comprehensive Final Exam: 35%

Grading Scale: The final course grade will be determined by using the following grading scale:
90-100% - A  80-89% - B  70-79% - C  55-69% - D  0-54% - F

Course Overview: Statistics is a fascinating and useful subject. Every time you open a newspaper, read an article or listen to a new report you can find examples of statistics in your every day world. Most students find this subject very interesting and are pleasantly surprised at how different it is from other math courses like Algebra or Calculus. Topics include: Descriptive statistics including organization of data, histograms and measures of central tendency and spread; linear correlation and regression; design of experiments; introductory probability, random variables – both discrete and continuous; distributions including the standard and non-standard normal distributions, t-distribution and the Chi-Square distribution; statistical inference including confidence intervals and formal tests of hypothesis.

How The Course Works: The course material is delivered through Course Compass http://coursecompass.com so in addition to being registered for the course at DVC, students are also required to purchase access and register at Course Compass. In addition to the eBook, supplemental materials and discussion board, you will find 15 homework assignments that are due every Wednesday at 8am. The 15 online homework assignments are worth 10 points each for a total of 150 points and this category comprises 30% of your course grade. These homework
Assignments are graded electronically and the Course Compass program provides assistance in the form of guided practice and hints, videos and animations. Students are also encouraged to ask for help and provide assistance to others by using the discussion board. The homework problems can be reworked until a perfect score is achieved (even after the due date) but all students are strongly encouraged to adhere to the published due dates in order to keep on target for the course.

In addition to homework there are 6 assignments to be completed in the "Projects" category and this category comprises 10% of your course grade. Detailed information on these projects, including due dates, can be found under the "Projects" tab on the course menu at Course Compass. In order to receive full credit the assignment must be completed on time, fulfill the requirements of the task, be well-written with proper grammar and spelling and provide thoughtful and/or insightful ideas or references that are relevant to the task.

There will be two midterm exams, one covering Homework 1-5 and the other covering Homework 6-10. The midterms comprise 25% of your grade. No makeup exams are given unless arranged in advance. If a student is unable to take a midterm exam the final exam will count in its place. If a student misses both midterms he/she will be dropped from the class. Students will be allowed to have a note card, approximately 5x8 inches for each midterm examination so memorization of formulas is not necessary. The final exam is comprehensive and comprises 35% of your final grade. You may bring a new note card along with the two previous note cards to the final exam. No makeup finals are offered so if you do not take the final exam you will receive zero points for this category.

DVC Math Lab: Although attendance at the math lab is not required for this course, the DVC Math Lab is available for your use. In addition to computers that are course compatible, you can obtain free tutoring. Please use the computers located near the entrances to log in and out of the math lab each time you use it. For more information, go to http://www.dvc.edu/org/departments/math/mathlab.htm

Honor Policy: Students are expected to complete their own work at Course Compass. During examinations, all cell phones must be turned off and there should be no communication whatsoever between students. No one can leave the classroom without the instructor’s permission. Students must keep their eyes on their own exam and not allow anyone to copy their work. Any student found violating this policy will receive a grade of zero on the assignment or exam. In addition, any student found cheating may be assigned a final grade of "F" and/or be reported to the Dean of Student Life for further action. For more information go to http://www.dvc.edu/org/info/policies/pdfs/ADRF.pdf

Adding and Dropping: It is the student’s responsibility to add and/or officially drop the course. You are required to manage your own enrollment!
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Projects: Details are available at course compass. 50 points total and this category comprises 10% of your grade.

- Introduction due 9/1/10 5 points
- Mini-Project #1 – Weather Data due 9/25/10 10 points
- Mini-Project #2 – Normality due 10/23/10 10 points
- Mini-Project #3 – Confidence Intervals due 11/12/10 10 points
- Mini-Project #4 – Hypothesis Tests due 12/11/10 10 points
- Anonymous Survey due 12/11/10 5 points

Exams: all exams at 10am in MA101 (Pleasant Hill campus).
- Exam #1 covering homework 1-5 on 10/2/10
- Exam #2 covering homework 6-10 on 11/6/10
- Comprehensive Final Exam on 12/11/10