**Math 11: Elementary Statistics**

**Course #: 51802**

**Tuesdays and Thursdays, 6 – 7:50 pm, CCI- 200**

**Spring 2012 Course Syllabus**

**Instructor:** Nicole Batenhorst **Email**: nicole.batenhorst@reedleycollege.edu

**Prerequisites:** Math 103 with a C or better or appropriate score on placement exam

**Text:** *Essentials of Statistics* by Mario F. Triola with MyMathLab (4th Edition). We will be covering material out of Chapters 1-9 and Chapter 11.

You have options regarding purchase of the text and/or MyMathLab:

1. You can purchase the book with the MyMathLab program.
2. You can purchase the book and the MyMathLab program separately.
3. Or…You can purchase the MyMathLab program and view the book online.

**Grading:** Grades will be based on the following rubric.

**Homework and Worksheets (including reviews):** 20%

**Quizzes :** 15%

**Chapter Tests:** 50%

**Final Exam:** 15%

 **A**: 100%-90% **B:** 89%-80% **C:** 79%-70% **D:** 69%-60% **F:** 59%-0%

**Holidays:**

January 16th, Monday, Martin Luther King, Jr. day

February 17th, Friday, Lincoln’s Day

February 20th, Monday, Washington’s Day observed

April 2-7th (Mon-Sat), Spring Recess

May 18th: The end of the Spring Semester!, Commencement

**Deadline to Drop the course:** end of the 9th week (March 9th)

**Announcements:** You will need to check your school email account frequently. I will be using email to contact you regarding due dates, assignments, and other important course/testing information.

**Math Center**: The Math Study Center is located in FEM 1. It is an amazing resource which you should definitely take advantage of: **FREE** math tutoring from **8 am to 4 pm Monday through Thursday, and 8 am to 12 pm on Fridays.**

**Homework:** Homework is an essential element of this course and is your time to practice what will be on the exams. Homework will be assigned on the MyMathLab computer system; the website you will go to each time to do your homework is [www.coursecompass.com](http://www.coursecompass.com). Because you do homework on a computer systems, you must create an account asap (see directions on next page). *You are responsible for making sure you have access to a computer with internet capabilities*. There are several locations on campus which have internet access (tutoring center, library, etc.). **Please be sure to pay attention to the due dates as you will not be able to work on assignments after they are due.**

**Worksheets:** Worksheets will be assigned throughout the class (1 to 3 per chapter). The worksheets are designed to give you more practice on the material, and they may be worked on individually or in groups. The point value and due date of worksheets will vary. Worksheets are very important to learning the process for solving the problems learned in class. **Please be sure to pay attention to the due dates as you will not be able to work on assignments after they are due.**

**Quizzes:** Quizzes will be given once a week. Sometimes I will announce when we are going to have a quiz, and sometimes I will assign POP-QUIZZES in class. Make sure you have good attendance or you will hurt your grade missing these pop quizzes. I will drop your lowest 2 quiz scores.

**Exams:** MAKE UP EXAMS AND QUIZZES WILL NOT BE GIVEN. We will be having Chapter Exams after almost every single Chapter of material we cover from the book. Combined, these Chapter Exams make up 50% of your grade. You will be given an exam review for every test.

**Final:** A cumulative, comprehensive final will be given on **Tuesday, May 15th, 2012 from 6:00- 7:50 pm** in our regular classroom. The final exam is mandatory, and if you do not take it you will not pass the class.

**Calculators:** You must have a scientific calculator for this class. They can be purchased for $5-13/ Even the Dollar Store has them. If you don’t bring one every day, you will be able to do certain problems on quizzes and you will miss points. You will not be allowed to use a graphing calculator.

***CLASS POLICIES AND GUIDELINES:***

1. Please be *on time*! If you arrive late or have to leave early, do so quietly. Those who continually arrive late will be talked to and possibly penalized.
2. Please turn **off** all cell phone while in class. Abuse of this policy will lead to confiscation of your handheld device.
3. Please respect not only me, but also your fellow classmates. If someone else is speaking **YOU ARE NOT**, and when you are speaking no one else should be. Class time is NOT social hour.
4. Please ask questions whenever! My hope is that you will feel comfortable enough to ask questions and bring up relevant issues of discussion during class.

**Students with Disabilities:** If you have a verified need for an academic accommodation or materials in alternate media (i.e. Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**Cheating, Plagiarism, and Fabrication:** If you are found to be cheating, plagiarism, or fabricating material you may be subject to failure in this course. A letter will be written to the Dean of Student Services to report the incident. COS will then deal with the incident according to the Student Code of Conduct which includes consequence ranging from reprimand to expulsion.

**Course Description:**  Upon completion of this course, students will be able to: Summarize given data sets using a variety of graphs. Apply measures of central tendency (mean, median, and mode) and variability (standard deviation, quartiles, and range) in application problems. Apply basic rules of probabilities. Identify if an event is independent or dependent and calculate the probability of the event. Identify whether a discrete or continuous probability distribution is necessary and apply the appropriate formula to calculate probabilities in application problems. Apply sampling theory to collect a sample from a population by the method of simple random sampling. Estimate the parameters of a population by using large and small sample procedures for constructing confidence intervals. Determine the minimum sample size to obtain a desired margin of error. Apply the *z*, *t*, Chi-squared, and Analysis of Variance test of significance. Apply correlation and simple linear regression to determine existence of relationships amongst quantitative variables.

**Registration for MyMathLab Instructions**

To register for MyMathLab you will need all of the following:

* A valid email address
* A student access code (included with your textbook), and
* A course code ()

If you do not have an email address, visit our school library’s computer center.

If you do not have a student access code, you can purchase one at the company’s website.

***Warning:*** If you buy a used book, they do not (normally) come with an access code, so you will have to purchase one separately (~$80).

**Registration Steps:**

1. In any web browser, go to [www.coursecompass.com](http://www.coursecompass.com)
2. Underneath “Students” click on the button labeled “Register”
3. Be sure that the button next to “Get access to a new course” is selected. Click “Next”.
4. Enter the course code, which is , and then click on the “Find course” button.
5. The course information for your course should appear. If you already have your student access code, select “Access Code” and enter your 6 word access code in the boxes provided. (*Note: If you have already created a MyMathLab account and purchased an access code-For example, you are retaking* Math 200, *the access codes are good for up to 3 semesters).*
6. Click the “I accept” button to accept the company’s license agreement.
7. If you already have a Pearson Education account from a previous class, click “Yes” and enter your login name and password.

If you have not used MyMathLab before, click “No” to create your login name and password. (At this time you will be choosing a login name and password that will allow you to log into MyMathLab in the future. After this initial registration, your login name and password are all that you will need to access the MyMathLab site.)

Enter a login name. (The company suggests using your email address, but it is up to you.)

Your login name must be at least 4 letters and/or numbers long, and cannot contain spaces. It cannot be the same as anyone else’s login name, so be sure to choose a unique name that you can remember.

Create a password in the next box, and retype it in the following box. (Your password must be at least 8 characters long. It must contain at least 1 letter and at least one number).

It is a good idea to write down your login name/password for future reference. Once your login name and password are typed, click the “Next” button.

1. Type your name and email address in the boxes provided. I will be emailing you using the address you choose, so be accurate.

Select “United States” for your country, type 93277 for the school’s zip code, and select “College of the Sequoias” from the list of schools.

Select a Security Question and type your answer. You will need this is the future if there is a problem with your account.

Click the “Next” button.

1. You are now finished registering. Click the “Log In Now” Button to get started.