

STAT 107

Concepts of Statistics

Summer 2010

Time and Location: Online class. There are no scheduled meetings

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Office Hours: 3:00 – 4:00 M WR

Course Description: **Concepts of Statistics** — [SKILLS] Basic concepts of descriptive statistics; probability distribution and inferential statistics (estimating parameters and testing hypotheses); sampling, experimental design, correlation and regression, consumer price index. Credit may not be granted for both 107 and 244.

Prerequisite: MATH 125 or equivalent, with a grade of C or better, or a satisfactory score on the placement Prerequisite: one and one half years of high school algebra or AD 095 with grade of C or better.

Textbooks: *Statistical Reasoning for Everyday Life, Plus MyStatLab Student Access Kit*, 3rd Ed. by Bennett, Briggs, and Triola
ISBN-10: 0321505735 Publisher: Pearson Addison/Wesley
ISBN-13: 9780321505736 Copyright: 2009
This book can be purchased at the University Bookstore, or you may purchase it at your local bookstore or favorite on-line bookstore.

Grading Scheme:

Item	Points	% of Grade	Percentage	Grade
On-Line Homework	100	16.7%	90% - 100%	A
On-Line Quizzes (9 @ 30)	270	45.0%	80% - 90%	B
Projects (2 @ 40)	80	13.3%	70% - 80%	C
Final Exam	150	25.0%	60% - 70%	D
TOTAL	600	100.0%	0 - 60%	F

Schedule for Quizzes:

There will be 9 on-line quizzes. You must receive 70% on each quiz in order to take the next quiz.

Quiz	Covers	Goal	Deadline
1	Chapter 1	Tuesday, June 1	Thursday, June 3
2	Chapter 2	Monday, June 7	Thursday, June 10
3	Chapter 3	Monday, June 14	Thursday, June 17
4	Chapter 4	Monday, June 21	Thursday, June 24
5	Chapter 5	Monday, June 28	Thursday, July 1
6	Chapter 6	Monday, July 5	Thursday, July 8
7	Chapter 7	Monday, July 12	Thursday, July 15
8	Chapter 8	Monday, July 19	Thursday, July 22
9	Chapter 9	Monday, July 26	Thursday, July 29

Passing Quizzes:

If you fail to meet the deadline, you will still be required to get the requisite score of 70% in order to take the subsequent quiz, but you will get no credit for quizzes taken after the deadline.

For example, suppose you successfully passed (70% or better) quizzes 1, 2 and 3 on or before the deadlines. But, for quiz 4, you scored only a 55% on your attempts before the deadline. In this case, your quiz 3 score will be recorded as a 55%, but you will not be able to take quiz 5 until you get a 70% on quiz 4. Thus, you must retake quiz 4 until you get the requisite 70% before you are allowed to take quiz 5, but your score of 55% will be unchanged.

A practice quiz is available for each quiz. These practice quizzes can be taken at any time and need not be proctored. They are a bit longer than the regular quizzes, but they should give you a very good idea of the kinds of problems to expect on the real quizzes.

Proctoring:

Quizzes must be proctored. We will offer proctoring at SIUE TBA in room TBA. There is no fee for using the proctoring service at SIUE. You must arrive at least 30 minutes before closing time so that you have ample time to take the quiz.

If coming to SIUE does not work for you, you may arrange your own proctoring at a reputable testing site. At least two days before you use a proctoring site for the first time, you must give us the details, including the name of the proctor, the site, phone number, and e-mail address. It is your responsibility to pay any required fees. Some community colleges and libraries provide proctoring for free if you live in their district, while others charge fees. See

<http://www.ivc.illinois.edu/student/proctoring.asp>

for a list of sites in Illinois.

Homework:

There is an on-line homework assignment for each chapter (plus a brief homework assignment on how to enter answers into the on-line homework system). The deadlines for the homework coincide with the deadline for the quizzes.

To Do Well in an On-line Statistics Course

Here are some suggestions for doing well in this class:

1. STAY ON SCHEDULE !! Our summer course is only 10 weeks long, and there are two holidays, so more material would be covered per week in the summer than in a regular semester.
2. Read the textbook and worked out examples. Then do the on-line homework.
3. Be very careful when entering the solutions to MyStatLab. It is very picky about syntax.
4. Write clear and concise notes as you read the book and work through the worked out examples. This way, when you are studying for an exam, you will be able to understand what you have done.
5. If you have difficulty, see the instructors, the tutors in the Tutor Lab (SL1224), or another student in the class. The Tutor Lab hours will be posted early in the term. No appointment is necessary, and the service is provided free of charge.
6. Check Blackboard and MyStatLab often for announcements.

Projects:

The two projects will be finding reports of statistical studies in the literature and answering the questions posed in Section 1.4 of the textbook. The first project will be to describe an observational study (due Friday July 2) and the second project will be to describe an experiment (due Friday, July 23). You may submit these in Microsoft Word format or PDF format.

Final Exam:

The final exam will be on Saturday, July 31 or Monday, August 2 . As with the on-line quizzes, you must arrange for proctoring. Details about appropriate calculators and other materials will be provided before the tests. The final exam will be a traditional “pencil-and-paper” exam.

Homework:

Homework will be done on MyStatLab, a software package that is correlated with the textbook. The software automatically keeps track of your progress on the homework. When you receive the MyStatLab packet, it will contain an access code. To register, you will need this access code and a valid e-mail address (preferably your SIUE e-mail address). When you first log in, you will need this code. At some point you will need SIUE’s zip code, which is 62026. Select SIUE among the colleges listed.

The first time you run MyStatLab, you will have to run through the Installation Wizard. This will help you install all of the plug-ins that are required to run MyStatLab. Depending on how many of these you already have on your computer (like Adobe Reader, Flash Player, etc.), your download speed, and how computer savvy you are, this could take anywhere from 15 minutes to one hour.

Blackboard:

In addition to MyStatLab, we will also be using Blackboard. You can access Blackboard by going to

<http://bb.siue.edu/>

Note that there is no “www” at the beginning. Your username and password are your SIUE e-ID number and password. (Note the “500” which indicates the on-line course.) We have set up a discussion board.

Throughout the summer term, we will occasionally post questions, which you are free to answer. You may also post questions yourself. Your posts will be seen by both instructors and all other members of the on-line class. Your performance in the discussion board is not directly part of your grade, but you may find this helpful. For borderline grades, we may consider your participation in the Discussion Board.

Announcements:

Most announcements will be posted in MyStatLab. Check your account often. We will sometimes send out notices by e-mail (through Blackboard) to your SIUE account. Note that if you drop the course, your e-mail address will remain in Blackboard’s list, so you will continue to receive e-mails from us.

Dedication and Time Commitment: In a regular class, students are expected to do two hours of work outside of class for every hour in class. STAT 107 contains the same amount of material whether it is taken in the summer or a regular semester, whether it is on-line or in a regular class session. A 3-credit course should meet for $3 \times 15 = 45$ academic hours (an academic hour is 50 minutes), which is equal to 2250 minutes. Your out-of-class time commitment should be twice that, or 4500 minutes. This is 6750 minutes total, or 11.25 hours per week. Depending on how quickly you pick up the material, it may take you longer.

Therefore,

IF YOU DON'T HAVE TIME TO SPEND AT LEAST 12 HOURS PER WEEK STUDYING STATISTICS, THEN YOU SHOULD RETHINK WHETHER THE ON-LINE COURSE IS FOR YOU.

Cheating:

Having someone do the course work for you is a serious offense, which can be punished by a failing grade on the assignment, a failing grade for the course, or expulsion from the university. If you take credit for work, make sure it is your own work.

Not all students will be taking exams at the same time, although most should take them the same day. Divulging information about an exam or receiving information about an exam is cheating, which can be punished by a failing grade on the exam, a failing grade for the course, or expulsion from the university.

Disclaimer:

Although we intend to adhere to this schedule and grading criteria, these are subject to change in the event of unforeseen circumstances.

The following is from Pearson. It describes how to enroll in the on-line homework/quizzing software. With your textbook, you should have received a student access code. **Don't pay again for MyStatLab access!!**

Location: [CourseCompass Help](#) > [Setting up courses](#) > [How students enroll](#)

How students enroll

To enroll in a typical course, a student needs to have a:

- **Student access code, a valid credit card, or a PayPal account**– Students get an access code with a new book purchase or by buying the code separately in a student access kit/card at the campus bookstore. Students can also buy access to a course online with a credit card or PayPal account while they are enrolling.

Important: The student access code is nontransferable and can be used only once.

- **Course ID** – This number, which identifies your particular course, consists of your last name followed by five digits, for example, wong63229. You must give your students the course ID before they can enroll.

[OUR COURSE ID FOR STAT 107 AT SIUE IS "rigdon59444"]

- **Email address** – The student's registration and enrollment confirmation will be sent to this email address. This address is also available to you, the instructor, for course-based communications.

A student who does not already have a Pearson account and is enrolling for the first time should follow the registration instructions on the home page of the [CourseCompass website](#).

To assist these students, print the instructions and distribute them, along with the course ID for your course.

A student who already has a Pearson account performs steps 1 through 6 in [Registering and Enrolling in a New Subject](#) below to enroll in a new course.

To assist these students, copy the instructions to a document and distribute. You may want to enter your course ID in the space provided in step 3.

Note: Students who need to enroll in another course based on the same textbook as a current or previous course should go through their Pearson Account Profile to enroll. They do not need to use a new access code or make a payment. Direct these students to:

- a. Go to <https://register.pearsoncmg.com/userprofile> and log in.
- b. Under the list of CourseCompass products, click **Enroll in a Course**.
- c. Enter the course ID received from the instructor of the new course, confirm the course information, and click **Find Course**.

If the student is prompted to provide an access code or purchase course access using a credit card, the course materials do not match the previous course. The student should contact the instructor.

- d. Click **Enter Course Now** to start using the new course.

Registering and Enrolling in a New Subject

1. Go to <http://www.coursecompass.com> and click **Register** in the Students area.
2. Review the list of required items for enrolling in a course, and click **Next**.
3. Enter the course ID you received from your instructor for your new course, and click **Find Course**.

Course ID: _____

4. Follow the instructions to either:

[Use a student access code](#) or

[Purchase access online](#)

5. Print the Confirmation page to keep a record of your registration and enrollment information, your login name, and the email address used for your account.
6. Click **Log In Now** to access your new course.

To use a student access code:

1. Verify the course information and click **Access Code**.
2. Enter your student access code and click **Next**.
3. Review the license agreement and click **I Accept**.
4. Indicate whether you already have a Pearson account:
 - If not, select **No** and follow the instructions to create your login name and password.
 - If you do, select **Yes** and enter your login information.
 - If you're not sure, select **Not sure**. Enter your email address and click **Search**. If you have an account, you will receive your login information by email, and you can change your selection to **Yes**. If you do not have an account, change your selection to **No** and create your login information.

Click **Next**.

5. Enter or confirm the information requested on the Account information page:
 - Your name and an email address that you check regularly
 - School Location: Select your school country and, for schools in the U.S., enter the zip code. From the resulting list, select your school name. If it is not listed, select **Other** and enter school name, city, and state.
 - Security question: Select a question from the drop-down list; then enter the answer.

Click **Next**.

To purchase course access online:

1. Click **Buy Now**.
2. Click the **Buy** button next to the course materials you want to buy. (You might see options with or without an online ebook, for example.)
3. Accept the license agreement.
4. Indicate whether you already have a Pearson account:
 - If not, select **No** and follow the instructions to create your login name and password.
 - If you do, select **Yes** and enter your login information.
 - If you're not sure, select **Not sure**. Enter your email address and click **Search**. If you have an account, you will receive your login information by email, and you can change your selection to **Yes**. If you do not have an account, change your selection to **No** and create your login information.

Click **Next**.

5. Enter or confirm the information requested on the Account Information page:
 - Your name and an email address that you check regularly
 - School Location: Select your school country and, for schools in the U.S., enter the zip code. From the resulting list, select your school name. If it is not listed, select **Other** and enter school name, city, and state.
 - Security question: Select a question from the drop-down list; then enter the answer.

Click **Next**.

6. Enter your payment information (credit card or PayPal account and billing information). Click **Continue**.
7. Review your order and, when you are ready, click **Place Order**.

Note: For more help with registration, go to www.coursecompass.com and click **Registration Help** under Students. For help during registration, click the **Video Tutorial** link at the top of the registration pages.