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# STAT 2040-41 SYLLABUS SPRING 2010

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Course: STAT 2040 – Business Statistics  
Section: 41  
Days/Times: Online  
Semester: Spring 2010 (academic calendar at <http://new.dixie.edu/reg/syllabus/>)  
CRN: 24248  
Instructor: Dolores Heaton  
E-mail: [heaton@dixie.edu](mailto:heaton@dixie.edu) (anytime)  
Phone: 435-619-2490 (evenings and weekends)  
Office Hrs: Thursdays beginning at 7:30PM in classroom UHB 149, other times by appointment  
Required Text: NO required text  
Optional Text: Elementary Statistics Using Excel, by Mario Triola. The 4<sup>th</sup> edition is available at the Bookstore, but older, less expensive editions are available online and will work just as well for a reference.

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**COURSE PREREQUISITES:** CIS 1200 and MATH 1010. *A good working knowledge of Excel is essential in order to succeed in this Statistics course. If you are unfamiliar or uncomfortable using Excel, I strongly suggest that you take a course in Excel BEFORE taking this course.*

**COURSE DESCRIPTION:** This course is an introduction to basic statistical reasoning. Statistical reasoning is crucial to understand decision making in a world of uncertainty. The course begins with a general discussion of data distributions and descriptive statistics. The likelihood of events occurring is then covered under the topics of probability and probability distributions, and sampling distributions. All of these principles will help the student understand how inferential statements about a population can be implied based solely on a sample of data. Inferential methods covered will include tests of hypotheses, analysis of variance, "Goodness of Fit", and regression. Prerequisites: CIS 1200 and MATH 1010. 4 credits.

**COURSE OBJECTIVES:** To provide students with knowledge of the fundamental purposes and uses of statistics in everyday and professional life. Students will develop their math skills related to statistics as they complete assignments.

Course objectives include:

- Introduction to statistics - purpose and use
- Describing, exploring and comparing data
- Probability and distributions
- Confidence intervals and sample sizes
- Hypothesis testing
- Correlation and regression
- Analysis of variance

**COURSE DELIVERY:** This is an online course delivered via Blackboard Vista. There are no in-class lectures. The main content of the course is found in the PowerPoint presentations on Blackboard. Additional resources, such as practice quizzes are available on Blackboard to help reinforce course concepts.

**PRACTICE:** Anyone can learn about statistics, but it requires practice. The more you practice the better you will do in this class. Even if you are really smart, if you do not practice you will NOT do well in this class. The Data Sets folder on Blackboard contains Excel data sets that you can use to practice.

**ASSISTANCE:** A variety of resources are available to you if you need help in this course:

Instructor: I am available by e-mail at [heaton@dixie.edu](mailto:heaton@dixie.edu) and usually respond promptly to questions, especially in the evenings.

An open lab will be held on Thursday evenings, except during Spring Break, starting at 7:30PM in UHB 149. If no one is there by that time, I reserve the right to go home. These labs are not structured; they are merely a chance for you to ask me questions and to learn from each other.

I am available by phone at (435) 619-2490 in the late evenings Monday-Thursday and reasonable hours Friday-Saturday. Leave a message with your name, number, and question if I don't pick up.

**Classmates:** You are encouraged to form study groups. The Blackboard discussion titled "Interested in forming or joining a study group?" can help you coordinate with classmates who want to participate.

The Blackboard discussions "Have a general course question?" and "Trouble understanding a statistics problem?" are available for you to ask your classmates for help. If you understand the course content, I encourage you to answer questions posted by your classmates.

**Other:** The Useful Links/Helps section on Blackboard contains helpful web links and documents. You should also check with the DSC Tutoring Center at (435) 652-7743 if you need help.

**GRADING:** Grades will be based on your performance on eight examinations plus a comprehensive final exam.

Final grade computation will be as follows:

Exams (8 X 100 points) = 800 points  
 Final Exam = 200 points  
**TOTAL = 1000 points**

Grades will be assigned according to the following scale:

A = 93.0 - 100%	B = 83.0 - 86.9%	C = 73.0 - 76.9%	D = 63.0 - 66.9%
A- = 90.0 - 92.9%	B- = 80.0 - 82.9%	C- = 70.0 - 72.9%	D- = 60.0 - 62.9%
B+ = 87.0 - 89.9%	C+ = 77.0 - 79.9%	D+ = 67.0 - 69.9%	F = 00.0 - 59.9%

**EXAM SCHEDULE:** The following schedule is the only official deadline schedule for this course. It is your responsibility to take the exams during the available dates. You have plenty of time to take each exam; therefore, I will not reopen past exams.

It is also your responsibility to verify that the Testing Center is open when you want to take a test. You can do this by calling (435) 652-7696 or checking [http://www.dixie.edu/testing/testing\\_hours.php](http://www.dixie.edu/testing/testing_hours.php).

EXAM (SECTION COVERED)	AVAILABLE (DAYS IN TESTING CENTER)	DETAILS
Exam I (Sections 1A and 1B)	Tue, Jan 19 – Thur, Jan 28 (10 days)	25 questions, 120 minute limit
Exam II (Section 2)	Fri, Jan 29 – Mon, Feb 8 (11 days)	24 questions, 120 minute limit
Exam III (Sections 3A and 3B)	Tue, Feb 9 – Mon, Feb 22 (11 days)	28 questions, 120 minute limit
Exam IV (Section 4)	Tue, Feb 23 – Fri, Mar 5 (11 days)	22 questions, 120 minute limit
Exam V (Section 5)	Mon, Mar 15 – Thur, Mar 25 (11 days)	20 questions, 120 minute limit
Exam VI (Section 6)	Fri, Mar 26 – Wed, Apr 7 (11 days)	30 questions, 120 minute limit
Exam VII (Section 7)	Thur, Apr 8 – Sun, Apr 18 (11 days)	20 questions, 120 minute limit
Exam VIII (Section 8)	Mon, Apr 19 – Thur, Apr 29 (11 days)	20 questions, 120 minute limit
Final Exam (Comprehensive)	Fri, Apr 30 – Thur, May 6 (7 days)	25 questions, 120 minute limit

**EXAMS:** All exams are taken in the DSC Testing Center. To take an exam you must access the class website and logon using your personal username and password. After you enter the class website, click EXAMS on the menu and then select the appropriate exam you are taking. Next, you will be asked for a password. A Testing Center proctor must input this password. Violation of this procedure is cheating, unethical, and would clearly show a lack of integrity. You are only allowed to access the exam and open Excel on the Testing Center computer. **You are NOT ALLOWED to access any other files, programs, or websites, including the course website, during the exam. Any phone calls, emails, or other communication during the exam are also prohibited.** However, you ARE ALLOWED TO HAVE one 8-1/2 x 11 inch sheet of paper, HANDWRITTEN (not printed or typed) front and back, of PERSONAL NOTES (no machine printed or copied notes, or notes from other students) during the exam. When you complete an exam and submit it, the computer will give you your score for that exam. The score will also be posted on the website and you can see statistics related to each exam. Any and all exam notes and scrap paper that you use for an exam MUST be turned into the Testing Center before you leave. YOU MUST NOT remove any material from the Testing Center that you used or created during the exam. If you want a copy of your exam notes then make a copy BEFORE you take the exam. **Copying and/or sharing exam information with other students is cheating and even if you do not get caught, you will have to live with the psychological consequences of your actions. Trust me, a grade is not worth giving up your integrity.**

There are no 2<sup>nd</sup> chance exams, so be prepared when you take the exams. Also, since there are 8 chapter exams plus a final exam, for a total of 9 exams, there is opportunity to make up for a poor score on one or two exams by doing well on the remaining exams.

The final exam is composed of questions similar to the practice exams and actual exams. Thus, the practice exams are your best study guide for the comprehensive final exam.

**CHEATING:** Cheating will not be tolerated. Cheating includes all forms of academic dishonesty including telling others about questions on an exam. Cheaters will be disciplined according to [school policy](#), and more importantly, must live with the consequences of violating their personal beliefs and losing their integrity.

**E-MAIL:** Important class and college information will be sent to your DSC email account. This information includes your DSC bill, financial aid/scholarship notices, notification of dropped classes, reminders of important dates and events, and other information critical to your success in this class and at DSC. All DSC students are automatically assigned an email account. **You will be held responsible for information sent to your DSC email, so please check it often.**

**DISABILITY:** If you are a student with a medical, psychological or a learning difference and are requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your professors from the Disability Resource Center preferably within the first two weeks of the beginning of classes. Students are to contact the Center on the main campus to follow through with and receive assistance in the documentation process to determine the appropriate accommodations related to their disability. You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990, Section 504 of the Rehabilitation Act of 1973. The Disability Resource Center is located on the ground floor down the outside stairway from the Financial Aid/Career and Employment Center.