

Fall 2010
Central Connecticut State University
Department of Mathematical Sciences
STAT 215

**READ THIS SYLLABUS CAREFULLY. YOU ARE RESPONSIBLE FOR
KNOWING THIS INFORMATION!**

Instructor: Elaine Swords

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Office: Maria Sanford Room 211. If MS 211 is crowded, then MS 219.

Office Hours: Thursday 9:15am to 10:45am
At other times by appointment

Course Title: STAT 215 Statistics for Behavioral Sciences I.

Students For Whom Course Intended: The STAT 215 – 216 is designed to meet the needs and program requirements of social and behavioral science majors.

Prerequisite: MATH 101 (C- or higher) or The Placement Exam

Basic Goals: The primary objective of this course is to introduce students to the beginning ideas of statistical inference. To reach this end, concepts and techniques of descriptive statistics (including measures of central tendency, variation and correlation), elementary probability, probability distributions and random sampling must be addressed.

Topics Covered:

- A. Summarizing data – frequency distributions and graphs
- B. Measures of central tendency, variability and location
- C. Probability distributions – binomial and normal
- D. Random sampling – sampling distributions
- E. Estimation and hypothesis testing
- F. Correlation and regression

Textbook: Elementary Statistics: A Step By Step Approach, 7th Edition, Allan G. Bluman, Published by McGraw- Hill, New York, NY, 2009.

Textbook reference for topics covered:

- Chapter 1 sections 1 – 6, Chapter 2 sections 1 –3,
- Chapter 3 sections 1 – 4, Chapter 4 sections 1 – 5,
- Chapter 5 sections 1 – 4, Chapter 6 sections 1 – 4,
- Chapter 8 sections 1 – 4 (5 if time permits),
- Chapter 7 sections 1 – 3 (4 if time permits),
- Chapter 10 sections 1 – 2(3 if time permits).

The listing order is the order of presentation.

Statistical Package for the Social Sciences: To introduce and use SPSS. Students will learn some uses for this program.

A Calculator is Required: A calculator that can compute standard deviations, which you should bring to each class. The TI-83 Plus and TI-84 Plus are discussed in our textbook, so one of these is preferred. I will be using a TI-83 Plus for instructional purposes.

Course Requirements: Attend and participate in class regularly; complete homework assignments; take quizzes and tests, as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class.

Homework: Understanding how I work a problem on the board is not the same as being able to do it yourself. Being able to do the homework problems quickly and correctly on your own will be the key to succeeding in this class.

Quizzes and Exams: All the quizzes and exams will be **closed** book and **closed** notes, but you will be permitted to bring one 8 ½” by 11” sheet of notes per exam, and using both sides is fine. You will also be able to use a calculator on all the quizzes, all the exams, and the final.

The policy regarding quizzes:

No make up quizzes are permitted. The lowest quiz grade is dropped.

Note: A missed quiz is a grade of zero.

The policy regarding missing tests:

A make-up test is allowed in case of a *documented* event or circumstance beyond the control of the student. An undocumented missed test is an automatic zero. Please discuss missed tests with me prior to or on the test date.

Tentative breakdown for testing:

- Test 1 covers chapters 1, 2 and 3
- Test 2 covers chapters 4, 5 and 6
- Test 3 covers chapters 7, 8 and 10
- Final Examination covers the total course work.

The tentative average for the course will be based on the following weights:

Project	10%
Quizzes and Homework	10%
Three Tests	60% (20% each)
Final Examination	20% (cumulative exam)
Total	100%

Grading:

A ≥ 93%	B+ ≥ 87%	C+ ≥ 77%	D+ ≥ 67%
A- ≥ 90%	B ≥ 83%	C ≥ 73%	D ≥ 63%
	B- ≥ 80%	C- ≥ 70%	D- ≥ 60%

Electronic Devices Policy: Cell phones, laptops, MP3's, PDA's, or any form of personal electronic or communication devices, are not to be used during class, exams, or quizzes unless special accommodations are necessary.

University Policies:

1. You must take the final examination at the time specified in the course selection book Thursday, December 16th from 8am - 10am.
2. Please contact me privately to discuss your specific needs if you believe you need course accommodations based on the impact of a disability, medical condition, or if you have emergency medical information to share. I will need a copy of the accommodation letter from Student Disability Services in order to arrange your class accommodations. Contact Student Disability Services, room 241, Copernicus Hall if you are not already registered with them. Student Disability Services maintains the confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”
4. The last day to drop this course and receive a grade of “W” is Monday, October 25th. Approvals for withdrawal are not required; however, it is strongly recommended that students consult with their academic advisors prior to deciding to withdraw. Cessation of attendance, notice to the instructor, or telephone calls to the Enrollment Center, is *not* considered official notice of a student’s intention to drop the course. After October 25th, withdrawals are allowed only under extenuating circumstances and with appropriate supporting documentation and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Poor academic performance is not considered an extenuating circumstance.
5. You are responsible for understanding and abiding by the University’s policy on academic integrity. Information on the policy may be found at <http://www.ccsu.edu/AcademicIntegrity/>. This policy is rigorously enforced by the Department of Mathematical Sciences. All students are expected to demonstrate integrity in the completion of their coursework. Academic integrity means doing one’s own work and giving proper credit to the work and ideas of others. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism and to avoid all forms of cheating and plagiarism. Students who engage in plagiarism and other forms of academic misconduct will face academic and possibly disciplinary consequences. Academic sanctions can range from a reduced grade for the assignment to a failing grade for the course. From a disciplinary standpoint, an Academic Misconduct Report may be filed and a Faculty Hearing Board may impose sanctions such as probation, suspension or expulsion.

Resources Available for help with course content:

1. Take advantage of your instructor's office hours. Do not wait until just before the first test to do so.
2. The Learning Center is located in Room 241, Copernicus. Free tutoring is available in Room 241, Copernicus, and at other locations on campus. A schedule for hours the Center is open will be posted soon after the beginning of the semester.
3. Form a study group with other students in your section. Explaining solutions to homework problems to each other is a good way to learn.
4. A list of private tutors for hire is available in the math department office, Room 107 Marcus White, 832-2835.

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TENTATIVE SCHEDULE – FALL, 2010

Week (Tues. date)	Chapters	Additional Information
August 31	1	
September 7	2	
September 14	3	
September 21	3	
September 28	4	Test 1
October 5	4	
October 12	5	
October 19	5,6	
October 26	6	10/25 is last day to withdraw w/o permission.
November 2	8	Test 2
November 9	8	
November 16	7	
November 23	7	Thanksgiving, no class on Thursday.
November 30	10	Test 3
December 7	10	12/9 is the last class.
December 14		Final Exam is 12/16 from 8am – 10am.