

Fall 2010
Central Connecticut State University
Department of Mathematical Sciences
STAT 215 02

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 fundamental 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. Correlation and regression
- D. Probability Theory
- E. Probability distributions – binomial and normal
- F. Random sampling – sampling distributions
- G. Estimation and hypothesis testing

Instructor: Kathleen Stankewicz

Email: stankewiczk@ccsu.edu

Please use the email address to contact me. If phone communication is necessary, please contact the department office.

Office: Maria Sanford Room 219

Office Hours: Tuesday 10:15 to 10:45 AM and 2:00 to 2:30 PM
Wednesday by appointment
Thursday 10:15 to 10:45 AM and 2:00 to 2:30 PM

Textbook: Elementary Statistics: A Step By Step Approach, Seventh Edition, Allan G. Bluman, Published by McGraw- Hill, New York, NY, 2007. ISBN: 978-0-0-7353497-8 **required**
Elem. - Student Solution. Manual. (7TH '09) ISBN: 978-0-0-7333128-7 optional

Textbook reference for topics covered: Chapter 1 sections 1–5, Chapter 2 sections 1–3, Chapter 3 sections 1–4, Chapter 10 section 1(2 and 3 if time permits), Chapter 4 sections 1–3, Chapter 5 sections 1–3, Chapter 6 sections 1–4, Chapter 7 sections 1–2(3 if time permits) and chapter 8 sections 1–3 (4 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 the uses for this program.

Calculator: STAT Programs on graphing calculators may be helpful. Not required.

Class Meeting Times: Tuesday and Thursday, 12:30 to 1:45 PM in MS 212
Attendance is taken and punctuality expected
Please use email to inform me about absences.

Course Requirements: Attend and participate in class regularly; complete homework assignments; submit projects on time; take tests and final exam 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.

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 or exams unless special accommodations are necessary.

University Policies:

1. You must take the *final examination* at the time specified in the course selection book Dec 16, 2010, 11:00 AM to 1:00 PM.

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 25.* 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 25, 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.

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. 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.

Evaluation

Minimum averages have been established for each of these grades:

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

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

Projects	40 points
Three Tests weighted by test score	40 points
Highest test score	20 points
Second highest	15 points
Lowest	5 points
Final Examination	20 points
Total	100 points

Policy regarding textbook assignments:

The expectation is the assignment is due the next class. The assignments are posted on Blackboard Vista's calendar. For difficulty completing assignments please use office hours for questions.

Policy regarding projects:

Approximately three projects will be assigned during the semester. Some will require the use of a computer. Each project is of equal weight in determining the final grade. ***Project grades are based on time submitted about 25%, completeness about 60% and correctness about 15%. Note these percentages are only approximations actual values vary by project.*** The expectation is that each project is complete, neat, correct, consistent with directions and submitted on the date due. Project due dates, grade rubrics, collaboration guide lines and directions accompany the hand out. Generally each project is handed to the students about one week before due.

Please use office hours for questions about any project.

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 Schedule of Important Dates

09 – 23 Test 1; Chapters 1, 2, 3

10 – 21 Test 2 Chapters 4, 5, 6

12 – 02 Test 3 Chapters 7, 8 and 9

12 – 16 Cumulative Final Examination 11:00 AM to 1:00 PM

Tentative project due dates

9 – 14

10 – 12

11 – 23