Central Connecticut State University
Department of Mathematical Sciences

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

Course Syllabus

Statistics for Behavioral Sciences I - 42180
STAT 215 – 01

3 credits Spring 2016
MW 12:15 pm - 1:30 pm Nicolaus Copernicus Hall 22409

By Allan G. Bluman
McGraw Hill 2014

Instructor: Prof. G. Fosdick
Office: Maria Sanford - Room 211
Office Hours: 2:55 p.m. – 4:25 p.m. MW
And by appointment
E-mail: gfosdick@ccsu.edu

Statistics for Behavioral Sciences I Skill Area II
Prerequisite: MATH 101 (C- or higher) or placement exam.

Introductory treatment of research statistics used in behavioral sciences: Quantitative descriptive statistics, including frequency distributions, measures of central tendency and variability, correlation, and regression; a treatment of probability distributions including binomial and normal; introduction to the idea
of hypothesis testing.

No credit given to students with credit for STAT 104, 108, 200, 314 or 315.

**Students for Whom the Course is Intended:** The Stat. 215-216 sequence is designed to meet the needs and program requirements of social and behavioral science majors.

**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

Chapters 1-8, and 10 in the textbook are covered
Sections 1.1-1.5, 2.1-2.3, 3.1-3.4, 4.1-4.5, 5.1-5.3, 6.1-6.3, 7.1, 7.2, 8.1-8.3, 10.1

**Course and Classroom Policy:**

(1). Attend and participate in class regularly; read the book and complete homework assignments, take quizzes and tests as scheduled (no email submissions please). There will be no make-ups allowed for missed tests, quizzes, or late work. No extra-credit work will be accepted.

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. **For a mathematics class, the expectation is at least 6 hours per week outside of class.**

(2). It is virtually impossible to pass this course without completing the homework.
It would be like taking a course in swimming without ever getting in the water. Learn by doing; i.e., do the assigned homework diligently and read the textbook faithfully.

(3). Develop the ability to independently solve each problem (i.e., without aid from a tutor, an online resource, the textbook’s explanation and/or solution, etc.); doing each problem quickly and correctly on your own will be the **key to success.**

(4). Smart-phones, cell phones, and laptops are not to be used during class, or exams, unless special accommodations are necessary.
Classroom etiquette:

Be prompt  Be prepared  Be polite  Be productive

Cumulative final exam:

| Monday, May 9 | 11 a.m. - 1 p.m. |

Note: In order to receive the grade of C- or better for the course, you must receive the grade of at least 60% on the final exam. This is a minimum requirement for a C- (i.e., it is not a guarantee for a C-).

Minimum averages have been established for each of these grades:

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<tr>
<th>Grade</th>
<th>Minimum Average</th>
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<tr>
<td>A</td>
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<td>A-</td>
<td>90%</td>
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<tr>
<td>B+</td>
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<td>B-</td>
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<td>D-</td>
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University’s Academic Integrity Policy: Any student who engages in any forms of academic misconduct will face disciplinary consequences. Academic sanctions can range from a reduced grade for the quiz or exam to a failing grade for the course. An Academic Misconduct Report may be filed, and a Faculty Hearing Board may impose sanctions such as probation, suspension, or expulsion. It is your responsibility to know the Student Code of Conduct (see http://www.ccsu.edu/page.cfm?p=4155) and the Policy on Academic Misconduct (see http://www.ccsu.edu/page.cfm?p=2468#Misconduct.)

Additional University Policies:
1. You must take the final examination at the time specified in the course selection book.

2. If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share with me, or if you need special arrangements in case the building must be evacuated, please make an appointment as soon as possible.

3. In the event of weather emergency that requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message” or check the CCSU web page.
4. The last day to withdraw from a course is **Monday, April 18**. 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 instructor, or telephone calls to the Enrollment Center is not considered official notice of a student’s intention to withdraw from the course.

After **April 18** withdrawals are allowed only under extenuating circumstances and require approval of the course instructor, department chair and dean of the School of Arts and Sciences. Failure to withdraw properly from a course will result in a grade of F appearing on the transcript.

**Resources Available:**
1. If you need help, take advantage of instructor’s office hours. Do NOT wait until just before the test to do so.

2. The Learning Center (TLC) is located in Willard Hall, Suite 101 (860-832-1900). For more information, visit their website at [www.ccsu.edu/learnctr/](http://www.ccsu.edu/learnctr/). **Free** tutoring is available as well as free online eTutoring. The tutorial schedule, which includes both day and evening hours, is posted in The Learning Center and online by the end of the add/drop period.

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.

**Note:** Departures from this outline responsive to the needs of the students may be made at the discretion of the instructor.