CENTRAL CONNECTICUT STATE UNIVERSITY  
Department of Mathematical Sciences

STAT 215: Statistics for Behavioral Sciences I, CRN 42183, Sec 04  Credit Hours: 3.00  
Spring 2016 WF 9:25 – 10:40 am MS 212

Instructor: Dr. Avis Robin  
Tel: (860)-832-2835 (Math Office)  
Email: robinavm@ccsu.edu  
Office: Maria Sanford 211 or 219 (shared adjunct office)  
Office Hours: W & F (10:45 – 11:30 by appointment)

Course Goals: Introduce students to the beginning ideas of statistical inference. Concepts and techniques of descriptive statistics (graphical representations, measures of central tendency, variation and correlation), elementary probability, probability distributions, random sampling, hypothesis testing will be studied.


PowerPoint Notes: The instructor will supply these for the first 2 chapters. All PowerPoint slides will be posted on Blackboard. It is up to the student to download and print these if he/she so chooses.

Blackboard: Announcements, assignments, and some quizzes will be posted on Blackboard.

Prerequisite: Math 101 (C- or higher) or placement exam

Students for whom course is intended: The Stat 215-216 sequence is designed to meet the needs and program requirements of social and behavioral science majors.

Course Requirements: Attend and participate in class regularly; read the book and complete homework assignments and tests, as scheduled. For a 3-credit math class, the expectation is that students spend quality time on statistics at least 6 hours per week outside of class.

Calculator Use: The recommended calculator for this course is the TI-83+. Similar calculators such as the TI-83, TI-84, TI-84+ and TI-86 are also acceptable. You are expected to have your textbook and calculator (including working batteries) with you at every class.

Computer Use: You will be required to do project(s) using the SPSS statistical package. Package is available in the CCSU student computing center, or as a free download from IT.

Topics Covered:  
A. Summarizing data-frequency distributions and graphs  
B. Measures of central tendency, variability, and location  
C. Correlation and regression  
D. Probability Theory, Probability distributions-binomial and normal  
E. Random sampling-sampling distributions  
F. Estimation and hypothesis testing
The topics are covered in Chapters 1-8, and 10 in the textbook. Specifically: Sections 1.1-1.5, 2.1-2.3, 3.1-3.4, 10.1, 4.1-4.3, 5.1-5.3, 6.1-6.4, 8.1-8.3 (8.4), 7.1, 7.2 (7.3) (10.2) (10.3) in that order. ( ) means these sections will be covered as time permits.

Resources Available:
1. My office hours, or email me.
2. The Learning Center, room 101, Willard Hall. Free tutoring is available. 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. Exchange contact information with a reliable classmate.

If you miss a class:
1. Contact a classmate to find out what you have missed during class and get the notes.
2. Read those notes and the corresponding sections from the book.
3. Attempt the homework on that section. Come to see me or go to the Learning Center (Willard 101) to discuss any questions you have.
4. I am always willing to help you. HOWEVER, do not expect that I will recreate an entire lecture for you in office hours. Be sure to take the above steps before coming.

Evaluation:
The grade for the course will be based on the following points:
Three Tests (20 points each): 60 points
Six Quizzes (5 points each): 30 points (posted on Blackboard)
Class Participation and Attendance: 56 points*
SPSS Project/s: 10 points
Assignments/Homework: 20 points
Final Examination (Cumulative): 30 points
Total 206 points (6 extra credit points are built in)

*This is based on answering and asking questions, doing all class examples, being courteous and respectful to everyone in the class, and staying focused in class. You lose points for such things as being distracting, having personal conversations, not having your cellphone put away, walking in and out of the room during class, and leaving early for any reason.

The goal is to accrue as many points as possible throughout the course from a total of 206 points. Final grades will be assigned according to the following table, based on 200 points:

<table>
<thead>
<tr>
<th>A</th>
<th>A-</th>
<th>B+</th>
<th>B</th>
<th>B-</th>
<th>C+</th>
<th>C</th>
<th>C-</th>
<th>D+</th>
<th>D</th>
<th>D-</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>186+</td>
<td>180-</td>
<td>174-</td>
<td>166-</td>
<td>160-</td>
<td>154-</td>
<td>146-</td>
<td>140-</td>
<td>134-</td>
<td>126-</td>
<td>120-</td>
<td>&lt;120</td>
</tr>
</tbody>
</table>

Tests
No test grade is “dropped”. You must be prepared and make your best effort on each test. For each test, you are allowed to have one 9 X 11 sheet of notes and formulas in your own handwriting (no photocopies). Your notes will be collected along with each test. There will be a point penalty if your notes are longer than one 2-sided sheet or if they are not in your own handwriting. Some tests may contain extra credit questions.
**Late/Missed Work/Homework:** If you are unable to attend class, you are still responsible for the material covered as well as all homework, quizzes or tests. If you are absent when homework is collected, you need to hand it in upon your return in order to receive credit.

**Missed Tests and Quizzes:** Must be made up before the test is returned to the class (typically before the next class meeting). Once tests are handed back to the class they cannot be made-up. Taking of make-up exams should only be used in unusual circumstances. I reserve the right to withdraw this option for any student who habitually misses announced exams. Any exams not made-up as described above will receive a grade of zero.

**Varsity Athletes:** Members of the CCSU athletic teams must:
- Provide the instructor with a team schedule at the beginning of the semester
- Inform the instructor prior to an absence due to a scheduled game or event
- Submit homework to the instructor prior to the absence or on the day of the absence through a classmate
- Be prepared for class on the day of return and be responsible for all material covered during his/her absence.

**Students with A Disability:**
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 101-04, Willard 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.

**Academic Integrity:**
You are responsible for understanding and abiding by the University’s policy on academic integrity. Further Information may be found at [http://www.ccsu.edu/AcademicIntegrity/](http://www.ccsu.edu/AcademicIntegrity/). This policy is rigorously enforced by the Department of Mathematical Sciences.

**Attendance:**
It is essential that you attend class regularly, and on-time. Attendance will be taken. Class attendance appears to be a better predictor of college grades than any other known predictor of college grades—including SAT scores, HSGPA, studying skills, and the amount of time spent studying (Crede & Kuncel, 2008; Hezlettet al., 2001).

The relationship is so strong as to suggest that dramatic improvements in average grades could be achieved by increased class attendance rates.

For the full study, see under Retention and Graduation Council Downloaded from [http://rer.aera.net](http://rer.aera.net) at CENTRAL CONN STATE UNIVERSITY on April 20, 2012

**Make-up exams:**
Only extraordinary and verified circumstances would permit the make-up of a missed exam or quiz.
Final Examination: Friday, May 13..................8 – 10 AM
You are allowed to have three 9 X 11 sheet of notes and formulas in your own handwriting (no photocopying).

Cell Phones and other communication devices: Must be turned off at all times during class. Cell phone use during class will result in a point penalty.

NOTE: DEPARTURES FROM THE OUTLINE MAY BE MADE AT THE DISCRETION OF THE INSTRUCTOR

Please complete page 5 of this syllabus, detach, and hand in to the instructor. Thank you.
STUDENT INFORMATION SHEET
CCSU—STATISTICS

Name______________________________

Address, city/town______________________________

Commuter or Campus Resident?____________________

Phone Number______________________________

Email address______________________________

Major/concentration______________________________

Career Plans______________________________

Part time or full time student? ______________ Minor ______________

Name of your academic advisor______________________________

What college-level statistics courses have you taken? Professors’ names?

____________________________________________________

Did you have statistics in high school?

____________________________________________________

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 SDS (Student Disability Services) in order to arrange your class accommodations. Contact SDS, Willard Hall, 101-4 if you are not already registered with them. SDS maintains confidential documentation of your disability and assists you in coordinating reasonable accommodations with your faculty.

Based on the above, do you need any course accommodations? Circle yes or no.

____________________________________________________

Your Signature on line above

Anything else you would like me to know?

____________________________________________________

Do you need a front seat for any reason? (e.g., to see better, hear better, avoid distraction)

____________________________________________________

See over for my brief bio.
Dr. Robin—Brief Bio:

BA, mathematics—UConn
MS, mathematics—CCSC (now CCSU)
Sixth Year, Counseling—University of Hartford
Certificate, Supervision and Administration—SCSU
AP Statistics—Taft Education Center
PhD, Mathematics Education—UConn


Mathematics Chairperson, Maloney High School, Meriden (retired)
Instructor, Guidance Counselor: Meriden Adult Education, New Britain Adult Education;
Adjunct: UConn
University Supervisor of Student Teachers, UConn: 2004-present
Adjunct CCSU: 2006-present