Central Connecticut State University  
Department of Mathematical Sciences  

Course Syllabus  
BUSINESS STATISTICS II  (Stat 201)  
Spring 2016  

Required Text: STATISTICS FOR BUSINESS AND ECONOMICS by:  
David Anderson, Dennis Sweeney, Thomas Williams  

Instructor: Dr. Crouse  
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               bobcrouse@charter.net  

Office Hours:  
Monday      Tuesday    Wednesday  
8:25-9:25    11-12      8:25-9:25  
1:30-2:30    1:30-2:30  

Prerequisites: A grade of C- or higher in Stat 200  
No credit given to students with credit for Stat 216, 416, or 453.  

Course Is Intended For: Business Statistics II, Stat 201, is 
designed to meet the needs and Pre-Business requirements of all 
students majoring in programs in the School of Business.  

Course Description: Application of statistical methods used for a 
description and analysis of business problems. The development of 
analytic skills in inferential, descriptive and exploratory 
statistics is enhanced by use of the software Excel. Major 
statistical techniques are applied to a variety of managerial 
decision problems.  

Course Objective: To understand and appreciate the strengths, 
limitations and usefulness of general statistical methods used in 
the collection, presentation, analysis and interpretation of 
business data. This is accomplished through the development of 
formal analytic skills for recognizing and formulating statistical 
problems in business decision making.  

Course Overview: In our examination of the statistical methodology 
used in business applications, lecture, discussion and problem 
solving will be included. You are expected to assume 
responsibility for reading chapter 10 through 16. Emphasis will be 
on problem solving.
All the even numbered problems in the chapters covered are assigned. Doing the problems is essential for understanding the methodology and passing the tests. Particular attention should be given to the problems called Self-Test Exercises.

**Attendance Policy:** You are expected to attend and participate in all class sessions. You are responsible for all reading material assigned during the course of the semester, the content of the text and lectures, all assignments, and all materials distributed during the class sessions whether you are in attendance or not.

**NOTE: April 18 IS THE LAST DAY TO DROP FULL SEMESTER COURSES**

The last day to withdraw from a course is 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 the instructor, or telephone calls to the Enrollment Center are not considered official notice of a student’s intention to drop 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. Poor academic performance is **not** considered an extenuating circumstance.

**University policy:** 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/](http://www.ccsu.edu/AcademicIntegrity/). This policy is rigorously enforced by the Department of Mathematical Sciences.

**Cell phones and other communication devices:** Must be turned off at all times during class.

**Weather emergency:** In the event of weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message” or go to [http://www.ccsu.edu/](http://www.ccsu.edu/).
You must obtain a PC account. Excel will be used for the computer projects. You must have a hand calculator for the tests.

Resources Available:
1. If you need help, 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 Willard 101-03. Free tutoring is available. A schedule for hours the Center is open will be posted soon after the beginning of the semester.
3. A list of private tutors for hire is available in the math department office, Room 128 Marcus White, 832-2835.

The tentative course schedule is given below. The list of computer assignments will be given in class. Note that you are also responsible for even numbered problems in the assigned chapters as stated above.

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<thead>
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<th>WEEK OF</th>
<th>Topics</th>
<th>Readings</th>
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<tr>
<td>1/18</td>
<td>Review</td>
<td>Chapters 8,9</td>
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<td></td>
<td>Statistical Inference about Means and Proportions With Two Populations</td>
<td>Chapter 10</td>
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<tr>
<td>1/25</td>
<td>Statistical Inference about Means and Proportions With Two Populations</td>
<td>Chapter 10</td>
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<tr>
<td>2/1</td>
<td>Inferences about Population Variances</td>
<td>Chapter 11</td>
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<td>2/8</td>
<td>Tests of Goodness of Fit and Independence</td>
<td>Chapter 12</td>
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<tr>
<td>2/15</td>
<td>Simple Linear Regression and Correlation</td>
<td>Chapter 14</td>
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<td>Examination I</td>
<td>Chapters 10-12</td>
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<td>2/22</td>
<td>Simple Linear Regression and Correlation</td>
<td>Chapter 14</td>
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<tr>
<td>2/29</td>
<td>Simple Linear Regression and Correlation</td>
<td>Chapter 14</td>
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<td>Examination II</td>
<td>Chapter 14</td>
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<td>3/7</td>
<td>Multiple Regression</td>
<td>Chapter 15</td>
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<tr>
<td>3/14</td>
<td>Multiple Regression</td>
<td>Chapter 15</td>
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<td>3/21</td>
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The final exam will be given May 7-13, in accordance with the examination schedule. The examination schedule follows this syllabus. Additional problems and special topics may be covered as time permits.

**Evaluation Plan**

- Examinations 1, 2, and 3 60%
- Final examination (comprehensive) 40%
- Computer assignments and homework problems must be completed with a grade of satisfactory; otherwise, a grade of incomplete will be earned.

**NOTE:** NO MAKEUP EXAMINATIONS WILL BE GIVEN

*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.*
Statement on Discrimination and Harassment
Central Connecticut State University strives to maintain our campus as a place of work and study for faculty, staff, and students that is free of all forms of prohibited discrimination and harassment based upon age; ancestry, color; gender identity and expression; intellectual disability; learning disability; mental disorder; physical disability; marital status, national origin; race; religious creed; sex, (including pregnancy, transgender status, sexual harassment and sexual assault); sexual orientation; or any other status protected by federal or state laws. Any student who has concerns about should contact the Office of Diversity and Equity (ODE) at 860-832-1652, Student Affairs at 860-832-1601, or his/her faculty member. The ODE is located on the main floor of Davidson Hall, room 102.

Sexual Misconduct, Intimate Partner Violence and Stalking
Central Connecticut State University (CCSU) will not tolerate sexual misconduct against students, staff, faculty, or visitors in any form, including but not limited to: sexual assault, sexual exploitation, sexual harassment or stalking, as defined in CCSU policies. For additional information, please consult the CCSU policies at http://www.ccsu.edu/page.cfm?p=1333. All faculty members and staff have a duty to report incidents of sexual harassment including sexual misconduct, intimate partner violence and stalking to Rosa Rodríguez, Title IX Officer, Office of Diversity and Equity, Davidson Hall, 102.

To file a report contact: Diversity and Equity (860-832-1652); Student Affairs (860-832-1601); Student Conduct (860-832-1667) or the University Police (860-832-2375).

For support and advocacy contact: Office of Victim Advocacy and Violence Prevention at 860-832-3795 or sarahdodd@ccsu.edu; Student Wellness Services at 860-832-1945 (confidential); Women’s Center at 860-832-1655; the local YWCA’s Sexual Assault Crisis Services Hotline at 860-223-1787 (confidential) and Prudence Crandall Center for Domestic Violence (confidential) at 888-774-2900(24- hour hotline).