Central Connecticut State University  
Department of Mathematical Sciences  

Course Syllabus  

BUSINESS STATISTICS II (Stat 201)  

Fall 2021  

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:  
Tuesday       Wednesday       Thursday       
12:05-1:40    9-11            12:05-1:40       
And by appointment  

Prerequisites: A grade of C- or higher in Stat 200  

Students For Whom Course Is Intended: 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 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 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:** November 17 IS THE LAST DAY TO DROP FULL SEMESTER COURSES Without Approval

Excel will be used for the computer projects. You must have a hand calculator for the tests.

The tentative course schedule is given below. The list of computer assignments will be given in class.

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<tr>
<th>Topics</th>
<th>Readings</th>
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<tr>
<td>WEEK OF 8/23 Review</td>
<td>Chapters 8,9</td>
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<tr>
<td>Statistical Inference about Means</td>
<td>Chapter 10</td>
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<td>and Proportions With Two Populations</td>
<td>Chapter 10</td>
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<td>WEK OF 8/30 Statistical Inference about Means</td>
<td>Chapter 10</td>
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<td>and Proportions With Two Populations</td>
<td>Chapter 10</td>
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<td>WEEK OF 9/6 Inferences about Population Variances</td>
<td>Chapter 11</td>
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<td>WEEK OF 9/13 Tests of Goodness of Fit and Independence</td>
<td>Chapter 12</td>
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<td>WEEK OF 9/20 Simple Linear Regression and Correlation</td>
<td>Chapter 14</td>
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<td>Examination I Chapters 10-12</td>
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<td>WEEK OF 9/27 Simple Linear Regression and Correlation</td>
<td>Chapter 14</td>
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<td>WEEK OF 10/4 Simple Linear Regression and Correlation</td>
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<td>Examination II Chapter 14</td>
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<td>WEEK OF 10/11 Multiple Regression</td>
<td>Chapter 15</td>
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The final exam will be given December 8-14, 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!**

**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/.

**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/. This policy is rigorously enforced by the Department of Mathematical Science.
Cell phones and other communication devices: Must be turned off at all times during class.

If you are a student with a documented disability, and would like to request academic accommodations, you are encouraged to contact Student Disability Services (SDS) at 860-832-1952, or email disabilityservices@ccsu.edu. Please visit the SDS website at http://www.ccsu.edu/sds/ to download an Intake form and documentation requirements. Temporary impairments may also qualify for accommodations. Central Connecticut State University provides reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act for students with documented disabilities on an individualized basis.

Central Connecticut State University Office of Diversity and Equity

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 for Equity & Inclusion (OEI) at 860-832-1652, Student Affairs at 860-832-1601, or their faculty member. The OEI is located on the main floor of Davidson Hall, room 119.

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 policy at https://www.ccsu.edu/diversity/policies/index.html. All faculty members and staff have a duty to report incidents of sexual harassment including sexual misconduct, intimate partner violence and stalking to Pamela Whitley, Title IX Officer, Office for Equity & Inclusion, Davidson Hall, 119.

To file a report, contact: Equity & Inclusion (860-832-1652), Student Conduct (860-832-1667) or Student Affairs (860-832-1601). For criminal complaints, contact the University Police (860-832-2375).

For support and advocacy, contact: Office of Victim Advocacy at 860-832-3795; 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).