Course Syllabus
Central Connecticut State University
Department of Mathematical Sciences

BUSINESS STATISTICS I (Stat 200) Fall 2021

Required Text: Modern Business Statistics with Microsoft Excel by: David Anderson, Dennis Sweeney, Thomas Williams, Jeffery Camm, James Cochran, Michael Fey, Jeffery Ohlman, Cengage Learning

Instructor: Dr. Crouse
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Office Hours: Tuesday Wednesday Thursday
12:05-1:40 9-11 12:05-1:40
And by appointment

Prerequisites: Math 101 with C- or better.

Students For Whom Course Is Intended: Business Statistics I, Stat 200, 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. The 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 1 through 9. Emphasis will be on problem solving. 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 17th IS THE LAST DAY TO DROP FULL SEMESTER COURSES WITH AUTOMATIC “W” ON YOUR RECORD

Excel will be used to solve some problems. You must have a hand calculator for the tests.

The tentative course schedule is given below.

<table>
<thead>
<tr>
<th>Topics</th>
<th>Readings</th>
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<tbody>
<tr>
<td><strong>WEEK OF 8/23</strong>  Data, Measurement, and Statistics</td>
<td>Chapter 1</td>
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<tr>
<td>Descriptive Statistics I. Tabular and Graphical Approaches</td>
<td>Chapter 2</td>
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<tr>
<td><strong>WEEK OF 8/30</strong>  Descriptive Statistics II Measures of Location and Dispersion</td>
<td>Chapter 3</td>
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<tr>
<td><strong>WEEK OF 9/6</strong>   Introduction to Probability</td>
<td>Chapter 4</td>
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<td><strong>WEEK OF 9/13</strong>  Discrete Probability Distributions</td>
<td>Chapter 5</td>
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<tr>
<td>Examination I Chapters 1-5</td>
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<tr>
<td><strong>WEEK OF 9/20</strong>  Discrete Probability Distributions</td>
<td>Chapter 5</td>
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<tr>
<td><strong>WEEK OF 9/27</strong>  Continuous Probability Distributions</td>
<td>Chapter 6</td>
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<tr>
<td><strong>WEEK OF 10/4</strong>  Continuous Probability Distributions</td>
<td>Chapter 6</td>
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<tr>
<td><strong>WEEK OF 10/11</strong> Sampling and Sampling Distributions</td>
<td>Chapter 7</td>
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<tr>
<td><strong>WEEK OF 10/18</strong> Sampling and Sampling Distributions</td>
<td>Chapter 7</td>
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**Examination II Chapters 5-7.**
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  
Final examination (comprehensive)  
60%  
40%

Computer assignments must be completed with a grade of satisfactory; otherwise, your final course grade will be reduced by one letter grade.

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

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 with me as soon as possible. My office location and hours are:

**Instructor:** Dr. Crouse  
**Office:** Marcus White Room 122  
**Phone:** 832-2849  
**e-mail:** crouse@ccsu.edu  
**bobcrouse@charter.net**

**Weather emergency:** In the event of weather emergency which requires curtailment or cancellation of classes, listen to WTIC
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 Sciences.

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).