

---

**Statistics 201: Business Statistics II**  
**Course Syllabus**  
Department of Mathematical Sciences, Central Connecticut State University

---

**Daniel T. Larose, Ph.D.**

Professor of Statistics and Data Mining

E-Mail: [larosed@ccsu.edu](mailto:larosed@ccsu.edu)

Office: Marcus White 118

Office Hours: Tuesdays 9:30 – 11:00; Thursdays 9:30 – 11:00 and 12:30 – 2:30

Director: Data Mining @CCSU

Web: [www.math.ccsu.edu/larose](http://www.math.ccsu.edu/larose)

Phone: (860) 832-2862

---

*Welcome to Business Statistics II!*

With a good faith effort on your part, you can experience success in this course.  
But you must work hard and work smart.

**Text:**

*Statistics for Business and Economics, tenth edition*

*By Anderson, Sweeney, and Williams (Thomson / Southwestern)*

**Software and Recommended Calculator:**

We will be using Excel and/or Minitab, both of which are available in the computer lab on campus. The Texas Instruments TI-83/84 (or TI-83/84 Plus) is recommended. (What this means is that I will show you exactly how to do the problems using it, but will not for other calculators.) This can be purchased for about \$100 at stores like Staples and Office Max. It is a great instrument that will save you a lot of agony doing formulas this semester.

**Course Description:**

Application of statistical methods used for a description and analysis of business problems. The development of analytical skills is enhanced by use of one of the widely available statistical packages. Topics include continuation of hypothesis testing, multiple regression and correlation analysis, variable selection techniques, analysis of variance and design of experiments, goodness of fit, and tests of independence. No credit given to students with credit for Stat 216, 416, or 453. Prerequisite: Stat 200 or equivalent with a grade of C- or higher.

**Course Web Site:** You all should know how to log onto the WebCT course web sites. Access is through CCSU Pipeline. Go to <http://pipeline.ccsu.edu> and enter your usual CCSU user name and password. It will then take you to your WebCT courses. I have put stuff there that you can download.

**Course Disclaimer:** This course represents the second-semester of your Statistics sequence. If we spend too much time going over the first semester material, you will be cheated of valuable second semester knowledge. Therefore, you are expected to assume responsibility for reading Chapters 1 through 8. Also, 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 and on the class web site whether you are in attendance or not.

**Attendance policy:** We shall be working together doing problems in class to better prepare for the exams. Because of this, I will be taking attendance. Since we will be meeting only 28 times, you get only three free cuts. Every subsequent absence will result in a loss of two points on your final grade for the course. For example, suppose your test grades give you a 71 average (C-). Say you missed 9 classes, which is 6 more than allowed. Your final grade for the course would be  $71 - 12 = 59 = F$ . Please come to class.

**Data Disk:**

You will need the data disk from the back of your book. Use it whenever you see the “CD File” icon in the exercises. If you do not have the data, download the zip file from the course home page that contains all the Excel and Minitab data files. Unzip it to your computer.

**Estimated Course Evaluation Plan (subject to change):**

	<i>Percentage of Grade</i>
<b>Exams 1 - 3</b>	<b>25% Each</b>
<b>Final Exam</b>	<b>25%</b>

**There will be no extra credit work!**

**How to succeed in this course:**

Practice, practice, and think. You are given *suggested exercises* from the text. Master these examples and you will do well in this course. Do not fall behind. *Many of the quiz and exam questions will be quite similar to the suggested exercises.*



**How Much Time Should I Spend Studying?**

Never for a moment lose sight of the fact that this is an intermediate-level statistics course, and will require your best effort. Therefore, if you are to succeed in this course, you will have to set aside a significant amount of time for studying, assignments, projects, and exams. You should be prepared to spend at least 6 hours per week, outside of class, on work associated with this course. If you do not make that commitment, your chances of success are greatly diminished.

**Suggested exercises:**

Use the TI, Excel, or Minitab whenever you can! I do not require that you suffer through the formulas in this material.

<b>Chapter</b>	<b>Exercises</b>	<b>Sections Not Covered</b>
9	10 – 12, 14 – 16, 18, 20, 22, 24, 26 – 28, 30 – 44 (even)	9.6, 9.7, 9.8
12	1 – 4, 6, 8, 9 – 12, 14, 16, 18	12.3
13	1 – 8, 10, 12, 21 – 24, 26 – 34 (even) Yes these include the supplementary exercises. Students usually need as much practice as possible on this chapter.	13.3
14	1, 2, 4 – 14 (even), 15, 16, 18, 20, 22, 23, 24 – 44 (even), 45, 46, 48, 50, 52, 54	---
15	1, 2, 4, 5, 6, 8, 10, 12, 14, 16, 18, 19, 20, 22, 23, 24, 26, 28, 29, 30, 32, 34, 36, 38, 39, 40, 41, 42	15.9

**Estimated Course Schedule (Subject to change):**

<b>Tuesday</b>	<b>Thursday</b>	<b>Tuesday</b>	<b>Thursday</b>
<b>Aug 31 – Ch 9</b>	<b>Sep 2 – Ch 9</b>	<b>Sep 7 – Ch 9</b>	<b>Sep 9 – Ch 9</b>
<b>Sep 14 – Ch 9</b>	<b>Sep 16 – Ch 12</b>	<b>Sep 21 – Ch 12</b>	<b>Sep 23 – Exam 1 (9, 12)</b>
<b>Sep 28 – Ch 13</b>	<b>Sep 30 – Ch 13</b>	<b>Oct 5 - Ch 13</b>	<b>Oct 7 – Ch 13</b>
<b>Oct 12 – Ch 13</b>	<b>Oct 14 – Ch 13</b>	<b>Oct 19 – Exam 2 (13)</b>	<b>Oct 21 – Ch 14</b>
<b>Oct 26 – Ch 14</b>	<b>Oct 28 – Ch 14</b>	<b>Nov 2 – Ch 14</b>	<b>Nov 4 – Ch 14</b>
<b>Nov 9 – Ch 14</b>	<b>Nov 11 – Exam 3 (14)</b>	<b>Nov 16 – Ch 15</b>	<b>Nov 18 – Ch 15</b>
<b>Nov 23 – Ch 15</b>	<b>Nov 25 – No Class</b>	<b>Nov 30 – Ch 15</b>	<b>Dec 2 – Ch 15</b>
<b>Dec 7 – Ch 15</b>	<b>Dec 9 – Ch 15</b>		
<b>Final Exam – Tuesday, December 14, 11:00 – 1:00, in class</b>			

**Solutions Manual:**

For each chapter, I have provided you with the instructor’s solutions manual, which shows how to do *every* exercise in the book. It provides more information than just the answer, and shows the steps for how to do it. Download it from the course web site.

**University Policies:**

1. You must take the final examination at the time specified.
2. In the event of a weather emergency which requires curtailment or cancellation of classes, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”
3. The last day to withdraw from a course is Monday, October 25. 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.
4. After October 25 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.
5. 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.

**Resources Available:**

1. If you need help, take advantage of my office hours. Do not wait until just before the first test to do so.
2. The Learning Center is located in Room 241, Copernicus. Free tutoring is available in Room 242, Copernicus, and at other locations on campus. 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.
4. A list of private tutors for hire is available in the math department office, Room 107 Marcus White, 832-2835.

***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.***