STATISTICS 215 - ELEMENTARY STATISTICS

READ THIS SYLLABUS CAREFULLY.
YOU ARE RESPONSIBLE FOR KNOWING THIS INFORMATION!

Prerequisite: MATH 101 (C- or higher) or MATH 102 (C- or higher) or MATH 103 (C- or higher) or placement exam.

Course Description: Introductory treatment of research statistics used in behavioral sciences. Quantitative descriptive statistics, including frequency distributions, measures of central tendency and variability, correlation, and regression. A treatment of probability distributions including binomial and normal. Introduction to the idea of hypothesis testing. No credit given to students with credit for STAT 104, 108, 200, 314 or 315.

Instructor: Phil Pomposi
Office: By appointment; conducted via video conference E-Mail: pomposip@ccsu.edu
Office Hours: Tuesday and Thursday 7:45 am - 9:15 am or by appointment
Class Meeting Times: Online Synch T, R 9:25 am – 10:40 am
Attendance will be taken

Course Requirements: You are expected to attend and participate in all class sessions and activities, complete homework assignments, and take quizzes, tests and the final examination as scheduled. A general rule for any college course is that you are expected to put in at least 2 hours of work outside of class for every hour in class. **For this course, the expectation is at least 6 hours per week outside of class.** Please have your textbook and requested supplies for each class. Homework should be completed prior to coming to class, and students should be prepared to discuss and present homework assignments. If an emergency occurs and you will not be able to attend class, please notify me by sending an email.

Calculator Use: You will be expected to use a calculator on homework, tests, and work done in class. The Texas Instruments **“TI 83 or TI 84 (and plus versions)”** are strongly recommended.

Cell Phones and Other Communication Devices: Must be turned off at all times during class.

University Policies:

1. You must take the final examination at the time specified. The final exam dates are determined by the University. For this class the final will be on Tuesday, May 11, from 8:00-10:00 AM.
2. 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. Once approved, SDS suggests that students discuss their approved accommodations with their professors, as well as any other additional medical emergency needs. Temporary impairments may also qualify for accommodations. Please note that accommodations are not retroactive and must be requested each semester.

3. In the event of a weather emergency which requires curtailment or cancellation of classes, access Central Pipeline, listen to WTIC (1080 AM) or call (860) 832-3333 for the “general snow message.”

4. The last day to withdraw is Monday, April 19. Approvals for withdrawal prior to this date 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 Registrar's office are not considered official notice of a student’s intention to withdraw from the course. After April 19, 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.

6. 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 this should contact the Office of Equity and Inclusion (OEI) at 860-832-1652, Student Affairs at 860-832-1601, or his/her faculty member. The OEI is located in Davidson Hall, Room 119.

- 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/diversity/policies/index.html. All faculty members and staff have a duty to report incidents of sexual harassment including sexual violence to Pamela Whitley, Title IX Officer, Office of Equity & Inclusion, Davidson Hall, 119.

- To file a report, contact: Equity and Inclusion (860-832-1652) 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 or jflanagan@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).
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 Room D-316, Diloretto Hall. 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 main office, Room 128 Marcus White, 832-2835.

Evaluation

Minimum averages have been established for each of these grades:

A 93% A– 90% B+ 87% B 83% B– 80% C+ 77% C 73% C– 70% D+ 67% D 63% D– 60%

Your grade for the course will be determined in the following manner:

1. Tests
   Two tests will be given. Each test will cover approximately one-third of the course syllabus. The two tests will each account for 20% of the semester grade. You are required to take the tests on the scheduled date. Make-up tests will be given in extenuating circumstances only and must be completed by the next scheduled class meeting. In the event you are unable to complete the test within the time specified, documentation will be required in order to take the test.

   40%

2. Final Examination
   The final exam will cover material from the entire course and must be taken at the time designated during the final exam week.

   20%

3. Quizzes
   Two quizzes will be given from homework assignments and class work throughout the semester. The two quizzes will each account for 10% of the semester grade. You are required to take the quizzes on the scheduled date. Make-up quizzes will be given in extenuating circumstances only and must be completed by the next scheduled class meeting. In the event you are unable to complete the quiz within the time specified, documentation will be required in order to take the test.

   20%

4. Assignments
   Two assignments utilizing the statistical package SPSS will need to be completed during the semester. Each will account for 5% of the semester grade.

   10%
5. **Attendance/Class Participation**
You are expected to attend all classes. If you have unexcused recurring late arrivals, each three will count as an absence. In the case of an unavoidable absence, please notify me in advance of the date, or, if that is impossible, e-mail me at the time of the absence. Attendance and class participation are part of your grade in this course. They are evaluated in this manner:

Two or fewer absences and frequency of class participation: 8.5% - 10%
Three or four absences and frequency of class participation: 7.5% - 8.5%
Five or six absences and frequency of class participation: 5% - 7.5%
More than six absences and frequency of class participation: 0% - 5%

**STATS 215  STATISTICS FOR THE BEHAVIORAL SCIENCES 1**
Tentative Block Plan for Semester

Chapter 1.1 - 1.4: The Nature of Probability and Statistics
Chapter 2.1 - 2.3: Frequency Distributions and Graphs
Chapter 3.1 - 3.4: Data Description

**Test 1: March 4**

Chapter 4.1 - 4.5: Probability and Counting Rules
Chapter 5.1 - 5.3: Discrete Probability Distributions
Chapter 6.1 - 6.4: The Normal Distribution

**Test 2: April 13**

Chapter 7.1 - 7.3: Confidence Intervals and Sample Size
Chapter 8.1 - 8.4: Hypothesis Testing
Chapter 10.1 - 10.2: Correlation and Regression

**Final Exam: May 11**

Last day to withdraw: April 19