Course Meeting: Tuesday - Thursday @ 12:15pm - 01:30pm
Classroom: Room 108 in Robert C. Vance Academic Center
Prerequisite: A passing grade of C- or better in MATH 218 & MATH 221

Instructor: Dr. Chun Jin
Office: Room 110 in Marcus White Hall
Office Phone: (860) 832-2863
Office Hours: Tuesday - Thursday @11:00am – 12:00noon and @1:45pm – 2:45pm
Wednesday @3:00pm – 4:00pm
E-Mail: jinc@ccsu.edu
Online Office: https://ccsu.webex.com/meet/jinc
Access code: 646 780 071

Exams: There will be three (3) announced exams. All three exams will be counted as 45% of the course grade.
Final Exam: Everyone has to take a comprehensive final exam at the scheduled time. The final exam will be counted as 35% of the course grade.
HW Assignments: All homework assignment scores will be counted as 25% of the course grade.

NO MAKEUP EXAMS WILL BE GIVEN!!!

Critical Date: Last day to withdraw from this course without approval: Nov. 17, 2021.

Special Needs: Central Connecticut State University (CCSU) complies with the letter and spirit of the Federal laws, the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act. CCSU Student Disability Services (SDS) staff approves and coordinates reasonable accommodations that provide equal access and educational equity to undergraduates and graduate students who have a documented disability. Through an individual interactive process, SDS arranges reasonable accommodations, auxiliary aids, and modifications to the learning environment and/or campus based on received documentation and functional limitations of the student.
While it is advisable that students arrange for accommodations prior to the start of the semester, a request and approval for accommodations can be made at any time during the semester. SDS notifies faculty of approved accommodations through an emailed accommodation letter, and students are copied and advised to discuss class accommodation arrangements with their instructors. SDS provides some auxiliary aids and a proctored testing center for accommodated exams. In some cases, SDS staff may contact and consult with faculty to discuss essential requirements of a course or program of study. SDS encourages faculty to also call when questions arise about accommodation arrangements.

In order to make students aware of Student Disability Services, we encourage faculty to include the following suggested syllabus statement and to bring attention to the statement with a general announcement at the beginning of the semester.

SDS appreciates your cooperation and collaboration in ensuring accessibility throughout our campus. Please contact our office if you have any questions or concerns.

**Course Description:** Advanced concepts in statistics are illustrated with an emphasis on the mathematics of probability and statistics. Topics include combinations, permutations, probability, distributions of discrete and continuous random variables, mathematical expectation, and some common distributions including normal probability distribution. The development of analytic skills in inferential, descriptive and exploratory statistics, and random variable simulations is enhanced by use of *Microsoft Office Excel*.

**Course Objective:** The main objective of the course is to provide the students with an understanding of the concepts and techniques of general mathematical methods used in statistics theory today. This course is intended as a first course in mathematical statistics sequence for students who are majoring in actuarial science, statistics, computer science, or engineering.

**Outline of the Course:** We will cover Chapter 1, Chapter 2, and Chapter 3 of the textbook. Few sections of Chapter 5 will also be addressed if time is permitted.

**Withdrawal Policy:** After November 17, 2021, withdrawals are allowed only under extenuating circumstances and require approvals of the course instructor, the department chair, and the dean of the School.

A student's course grade is based upon the following weights and the grading scales:

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<tr>
<th>Component</th>
<th>Weight</th>
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<tr>
<td>Exams</td>
<td>45%</td>
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<tr>
<td>HW</td>
<td>25%</td>
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<tr>
<td>Final</td>
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<td><strong>Total</strong></td>
<td><strong>105%</strong></td>
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<td>Percentage</td>
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<td>93% or more</td>
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<td>90%</td>
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<td>87%</td>
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<td>83%</td>
<td>B</td>
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<tr>
<td>80%</td>
<td>B-</td>
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<tr>
<td>77%</td>
<td>C+</td>
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University Policies:

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 should contact the Office of Diversity and Equity (ODE) at 860-832-0178, 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

Option 1. Central Connecticut State University is committed to providing a learning and working environment that emphasizes the dignity and worth of every member of its community. Sexual harassment (including sexual assault) in any form will not be tolerated. "Sexual harassment" means unwelcome sexual advances, requests for sexual favors, and/or other verbal or physical conduct of a sexual nature. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment in any University activity or program. 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 Nancy "Rusty" Barcelo, Interim VP for Diversity, Inclusion, and Equity, Office of Diversity and Equity, Davidson Hall, 102.

Option 2. 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 Nancy "Rusty" Barcelo, Interim VP for Diversity, Inclusion, and Equity, ODE, Davidson Hall, 102.

To file a report, contact: Diversity and Equity (860-832-0178); 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 & Violence Prevention (Diloreto Hall 305) at 860-832-3795 to speak with Joanna Flanagan (jflanagan@ccsu.edu); Student Wellness Services at 860-832-1925 (confidential), the 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).

Equal Opportunity Employer and Educator