

Syllabus – Summer Session 1, 2026

Syllabus information may be subject to change. The most up-to-date syllabus is located within the course in HuskyCT.

Course and Instructor Information

Course Title: Probability

Credits: 3

Format: ONLINE Asynchronous (OA).

Prerequisites: Math 2110Q, 2130Q or 2143Q.

Time Zone: *All times* for due dates, student hours, etc., in this course are given in **US Eastern Time**.

Instructor: Ningwei Jiang

Pronouns: [He/him](#);

Student Hours (Week 1-5, via Webex): Schedules will be shared the week before classes start and will be adjusted throughout the summer session based on the availability. You can locate them in the “Welcome and Overview” section of HuskyCT.

Communications: I will make frequent use of the Announcements tab on HuskyCT to keep you updated during the session. I will expect you to check your email regularly so that you know when an announcement has been posted. Also, if you have any questions or concerns, please email me at ningwei.jiang@uconn.edu. I will respond to email questions within 24 hours during weekdays.

I expect you to have access to a computer with webcam to use Lockdown Browser for exams (Authentication of Students in Online Courses) and a way to submit PDFs of handwritten work.

Course Materials

Textbook: Available at [UConn Undergraduate Probability OER](#).

Reference: “A First Course in Probability” by Sheldon Ross, Chapters 1-8.

HuskyCT: Course materials (Videos, etc.), Quizzes, Worksheets and Exams will be available under our course at <https://huskyct.uconn.edu>.

Course Description

Introduction to the theory of probability. Combinatorics, probability axioms, conditional probabilities, random variables, joint distributions, limit theorems.

Course outline

- Module 1: Counting and Probability Foundations
- Module 2: Conditional Probability and Independence
- Module 3: Random Variables and Discrete Distributions
- Module 4: Continuous and Multivariate Distributions
- Module 5: Expectations, MGFs, and Limit Laws

Schedule (Tentative)

Week	Chapters	Assessments
1	Combinatorics, The Probability Set-up, Conditional Probability, Independence	Quiz 1-4, Worksheet 1-4
2	Random Variables, Some Discrete Distributions, Continuous Distributions	Quiz 5-7, Worksheet 5-7
3	Normal Distribution, Normal Approximation, Some Continuous Distributions	Quiz 8-10, Worksheet 8-10, Exam 1
4	Multivariate Distributions, Expectations	Quiz 11-12, Worksheet 11-12,
5	Moment Generating Functions, Limit Laws	Quiz 13-14, Worksheet 13-14, Exam 2

Course Grading and Requirements

Course Components	Weight
Worksheets	25%
Quizzes	25%
Exam 1	25%
Exam 2	25%

I will post all grades on HuskyCT.

Worksheets: There will be one worksheet for each chapter, and all worksheets must be submitted by **11:59 pm on Saturday** of the corresponding week. Each worksheet grade has two components. First, you should complete the problems to the best of your ability using your course notes, the textbook, or other resources, and submit your work on HuskyCT. After submission, you will gain access to the answer keys. You must correct any mistakes and complete the reflection activity for each worksheet. The initial submission will be graded on completeness, while the reflection activity will be graded according to the rubrics provided on HuskyCT.

Quizzes: There will be one quiz for each chapter. Each quiz allows **three attempts**, with your **highest score** counting toward your grade. Slightly different problems will be presented on each attempt. You may use your course notes and the textbook while completing the quizzes.

Exams: There will be two **time-limited** exams, scheduled during Week 3 and Week 5. Each exam will cover approximately half of the course content, with Exam 1 covering Chapters 1–7 and Exam 2 covering Chapters 8–14. Each exam will be **two hours** long and must be taken using LockDown Browser with Respondus Monitor, which requires a webcam. Students are allowed to use notes and the textbook; no other resources are permitted. Each exam will be available from Wednesday through Friday to accommodate students who wish to begin earlier. The exams are open-book but strictly time-limited.

Exams will be released on HuskyCT in the Exams folder corresponding to each module. Before beginning, ensure you have a stable internet connection and sufficient time to complete the exam in a single session, as it cannot be paused and resumed. Each exam will consist of multiple sections, including True/False, multiple-choice, and free-response questions. For the free-response section, you must follow the

instructions for each question, scan your written work as a **single PDF file**, and upload it to HuskyCT. Typed work for free-response section will NOT be accepted.

Grading Scale

Grade	Letter Grade
93-100	A
90-92.99	A-
87-89.99	B+
83-86.99	B
80-82.99	B-
77-79.99	C+
73-76.99	C
70-72.99	C-
67-69.99	D+
63-66.99	D
60-62.99	D-
<60	F

Course Policies

Late Work: If you need to submit work late, please email your instructor. I will generally expect students to meet the weekly deadline and complete quizzes/exams on time, but I understand that sometimes events out of your control happen. Please reach out to me, and I will do my best to work with you in a way that is consistent, compassionate, and fair. **Do not wait until the last day of the course** to discuss grade issues! The sooner I am aware of issues, the more able I will be able to help you.

Exceptions to this policy will only be made under extenuating circumstances, and on a case-by-case basis.

Exam/Quiz Makeup Policy: Since this is an online course and you are given enough flexibility for the tests, no make-up request will be approved.

Individual requests for extra credit will NOT be granted.

I expect you to submit all the work by 11:59 PM on July 4, 2026, because this will ensure that I am able to report your grades to the Registrar by the Grade deadline.

Weekly Time Commitment

You should expect to dedicate 42 - 56 hours a week to this course. This expectation is based on the various course activities, assignments, and assessments and the University of Connecticut's policy regarding credit hours. More information related to hours per week per credit can be accessed at the [Online Student website](#).

Student Authentication and Verification

The University of Connecticut is required to verify the identity of students who participate in online courses and to establish that students who register in an online course are the same students who participate in and complete the course activities and assessments and receive academic credit. Verification and authentication of student identity in this course will include:

1. Secure access to the learning management system using your unique UConn NetID and password.
2. Online proctoring during exams using Lockdown Browser with Respondus Monitor.

Information about Lockdown Browser and Respondus Monitor can be found here: <https://kb.uconn.edu/space/TL/10731881788>.

Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important [standards, policies and resources](#), which include:

- The Student Code
 - Academic Integrity
 - Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials
- Credit Hours and Workload
- Netiquette and Communication
- Adding or Dropping a Course
- Academic Calendar
- Policy Against Discrimination, Harassment and Inappropriate Romantic Relationships
- Sexual Assault Reporting Policy

Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or <http://csd.uconn.edu/>.

Blackboard measures and evaluates accessibility using two sets of standards: the WCAG 2.0 standards issued by the World Wide Web Consortium (W3C) and Section 508 of the Rehabilitation Act issued in the United States federal government.” (Retrieved March 24, 2013 from [Blackboard's website](#))

Software/Technical Requirements (with Accessibility and Privacy Information)

The software/technical requirements for this course include:

- Equipment Recommendations (<https://remotework.uconn.edu/equipment-recommendations/>)
- HuskyCT/Blackboard ([HuskyCT/ Blackboard Accessibility Statement](#), [HuskyCT/ Blackboard Privacy Policy](#))
- [Adobe Acrobat Reader](#) ([Adobe Reader Accessibility Statement](#), [Adobe Reader Privacy Policy](#))
- Google Apps ([Google Apps Accessibility](#), [Google for Education Privacy Policy](#))
- Microsoft Office (free to UConn students through uconn.onthehub.com) ([Microsoft Accessibility Statement](#), [Microsoft Privacy Statement](#))
- Dedicated access to high-speed internet with a minimum speed of 1.5 Mbps (4 Mbps or higher is recommended).
- WebCam

Privacy Statement: For information on managing your privacy at the University of Connecticut, visit the [University's Privacy page](#). NOTE: This course has NOT been designed for use with mobile devices.

Help

[Technical and Academic Help](#) provides a guide to technical and academic assistance.

This course uses the learning management platform, [HuskyCT](#). If you have difficulty accessing HuskyCT, you have access to the in person/live person support options available during regular business hours through the [Help Center](#). You also have [24x7 Course Support](#) including access to live chat, phone, and support documents.

Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics or hyperlinks.
- Work within two or more browser windows simultaneously.
- Open and access PDF files.

Academic Integrity

Learning math is a process, and it's okay if that process includes challenges. The best way to grow as a learner is to work through problems on your own and take ownership of your understanding—even when it's hard. In our class, you are expected to follow the [university's academic honesty policies](#), but also to take pride in your own progress. That means:

- Doing your own work and showing your own reasoning.
- Citing any sources you use, including explanations from websites, textbooks, or other people.
- Using tools like calculators, online resources, or AI (such as ChatGPT) **only in ways that support your learning**—not as a substitute for doing the work yourself.

If you're ever unsure about what's allowed—or if you're feeling stuck—please reach out and utilize the student hours. You don't have to go through it alone. I'm here to help, and there are also great campus and online resources. It's always better to ask for help than to risk your integrity.

This is a space where effort and honesty matter more than perfection.

Evaluation of Course Experience

Students will be given an opportunity to provide feedback on their course experience and instruction using the University's standard procedures, which are administered by the [Office of Institutional Research and Effectiveness](#) (OIRE).

The University of Connecticut is dedicated to supporting and enhancing teaching effectiveness and student learning using a variety of methods. The Student Evaluation of Teaching (SET) is just one tool used to help faculty enhance their teaching. The SET is used for both formative (self-improvement) and summative (evaluation) purposes.

Additional informal formative surveys and other feedback instruments may be administered within the course.