

Syllabus – May 2025

Excluding materials for purchase, syllabus information may be subject to change. The most up-to-date syllabus will be located within the course content in HuskyCT.

Course and Instructor Information

Course Title: Introduction to Statistics I

Credits: 4

Format: Online

Prerequisites: Students can receive no more than four credits from STAT 1000Q and 1100Q. Students who have passed a 2000-level or above STAT course or who are taking such a course concurrently cannot take 1000-level STAT courses.

Professor: Dr. Michael Saccucci

Email: michael.saccucci@uconn.edu

Course Times: M,Tu,W,Th 9:30AM to 1:20PM (May 12 to June 2)

Online Office Hours / Availability: M,Tu,W,Th 9:00 to 9:30; 1:20 to 2:00 + other times by appointment

Course Materials

Required course materials should be obtained before the first day of class.

Required textbooks are available for purchase through the **UConn Bookstore**: [Find Course Materials](#),
Campus: Stamford Campus

Required Materials:

- Statistics for Business and Economics, 14th Edition, by McClave, Benson, and Sincich
- MINITAB software (Refer to the Getting Started with Minitab to learn how to gain free access to Minitab.
- Computer. (The University has set minimum [device requirements for all students](#).)

Additional instructional materials and links to resources are available from within the HuskyCT course.

Course Description

A standard approach to statistical analysis primarily for students of business and economics; elementary probability, sampling distributions, normal theory estimation and hypothesis testing, regression and correlation, exploratory data analysis. Learning to do statistical analysis on a personal computer is an integral part of the course.

Course Objectives

Functional statistical understanding using a non-calculus-based approach. The course is broken down into three primary parts: Exploratory Data Analysis (EDA), Fundamental Probability Principles & Distributions, and Statistical Inference.

By the end of the semester, students should be able to:

1. Create and interpret numerical and graphical exploratory techniques
2. Understand commonly used some discrete and continuous probability distributions
3. Calculate and interpret interval estimators for a single mean and proportion.
4. Calculate and interpret interval estimators for the difference between two means and two proportions.

Approximate Course Calendar*

Class	Date(s)	Hour	Topic	Required Text Readings	Practice / HW Problems	Lab
1	5/12/2025	M	9:00AM - 1:20PM	Class Overview Algebra Review Ch 1: Statistics, Data, and Statistical Thinking (Part I)	Ch 1 Sections 1.1-1.7 Ch 0 Practice Problems; Ch 1 Practice Problems	Ch 0 Lab Problems Ch 1 Lab Problems
2	5/13/2025	T	9:00AM - 1:20PM	Ch 1: Statistics, Data, and Statistical Thinking (Part II) Ch 2: Methods for Describing Sets of Data (Part I) Quiz 0: Chapter 0	Ch 2 Sections 2.1-2.10 Ch 1 Practice Problems; Ch 2 Practice Problems	Ch 1 Lab Problems Ch 2 Lab Problems
3	5/14/2025	W	9:00AM - 1:20PM	Ch 2: Methods for Describing Sets of Data (Part II) Ch 3: Probability (Part I) Quiz 1: Chapter 1	Ch 3 Sections 3.1-3.7 Ch 2 Practice Problems; Ch 3 Practice Problems	Ch 2 Lab Problems Ch 3 Lab Problems
4	5/15/2025	Th	9:00AM - 1:20PM	Ch 3: Probability (Part II) Quiz 2: Chapter 2	Ch 3 Sections 3.1-3.7 Ch 3 Practice Problems	Ch 3 Lab Problems
5	5/19/2025	M	9:00AM - 1:20PM	Ch 4: Random Variables (Part I) Quiz 3: Chapter 3	Ch 4 Sections 4.1-4.7 Ch 4 Practice Problems	Ch 4 Lab Problems
6	5/20/2025	T	9:00AM - 1:20PM	Ch 4: Random Variables (Part II) Ch 5: Sampling Distributions (Part I)	Ch 4 Sections 4.1-4.7 Ch 5 Sections 5.1-5.4 Ch 4 Practice Problems; Ch 5 Practice Problems	Ch 4 Lab Problems Ch 5 Lab Problems
7	5/21/2025	W	9:00AM - 1:20PM	Ch 5: Sampling Distributions (Part II) Ch 6: Confidence Intervals for Single Sample (Part I) Quiz 4: Chapter 4	Ch 5 Sections 5.1-5.4 Ch 6 Sections 6.1-6.5 Ch 5 Practice Problems; Ch 6 Practice Problems	Ch 5 Lab Problems Ch 6 Lab Problems
8	5/22/2025	Th	9:00AM - 1:20PM	Ch 6: Confidence Intervals for Single Sample (Part II) Ch 7: Hypothesis Tests for Single Sample (Part I) Quiz 5: Chapters 5	Ch 6 Sections 6.1-6.5 Ch 7 Sections 7.1-7.6 Ch 6 Practice Problems; Ch 7 Practice Problems	Ch 6 Lab Problems Ch 7 Lab Problems
	5/26/2025	M		Memorial Day Holiday		
9	5/27/2025	T	9:00AM - 1:20PM	Ch 7: Hypothesis Tests for Single Sample (Part II) Ch 8: Inference Based on Two Samples (Part I) Quiz 6: Chapter 6	Ch 7 Sections 7.1-7.6 Ch 8 Sections 8.1-8.4 Ch 7 Practice Problems; Ch 8 Practice Problems	Ch 7 Lab Problems Ch 8 Lab Problems
10	5/28/2025	W	9:00AM - 1:20PM	Ch 8: Inference Based on Two Samples (Part II) Quiz 7: Chapter 7	Ch 7 Sections 7.1-7.6 Ch 8 Sections 8.1-8.4 Ch 8 Practice Problems	Ch 8 Lab Problems
11	5/29/2025	Th	9:00AM - 1:20PM	Review	Ch 8 Sections 8.1-8.4	
12	6/2/2025	M	9:00AM - 11:30PM	Cumulative Final Exam (9:30 - 11:00)		

* Note: We will try to follow this schedule as closely as possible. However, changes may be necessary due to unforeseen events.

Software/Technical Requirements (with Accessibility and Privacy Information)

The University has set minimum [device requirements for all students](#). **NOTE:** Chromebooks do not meet the minimum requirements.

The software/technical requirements for this course include:

- 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](#)) ([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 & Microphone

For information on managing your privacy at the University of Connecticut, visit the [University's Privacy page](#).

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.
- Access PDF files.
- Use a webcam and microphone.

In our course, we will be using a statistical software package called Minitab. You will be required to set up a free Minitab account. Here are the steps you will need to follow to obtain a license:

1. Go to: <https://software.uconn.edu/software/minitab/>
2. Scroll to the bottom of the page and click on 'I meet the Eligibility Requirements'.
3. Fill in the Minitab User Account Request form.
 - ✓ Enter the date
 - ✓ Enter your NetID
 - ✓ Enter your Name
 - ✓ Enter your UConn email address (Personal emails can not be used)
 - ✓ Enter 'Statistics' for School or Department
 - ✓ Select 'Student' for Purchaser Affiliation
4. Minitab will send you an email to confirm that your Minitab account has been set up and ready for use. The email will have a link to <https://app.minitab.com/>
5. Sign in to your Minitab user account using your UConn email, NetID, and Password. The first time you sign in, you will be asked to choose between 'Minitab License Portal' shown in blue or 'University of Connecticut SSO' shown in red. Choose University of Connecticut SSO'. (If you inadvertently choose 'Minitab License Portal', you will get a message saying that you do not have a Minitab license. To fix this problem, log out of Minitab and repeat the sign in process described above.)

Respondus LockDown Browser Requirements

Respondus LockDown Browser + Webcam Requirement

This course requires the use of LockDown Browser and a webcam for online exams. The webcam can be the type that's built into your computer or one that plugs in with a USB cable.

Watch this brief video to get a basic understanding of LockDown Browser and the webcam feature.

<https://www.respondus.com/products/lockdown-browser/student-movie.shtml>

Download Instructions

- Select a test from the course.
- You will see the message "Assessment Security - You need Respondus LockDown Browser to complete this assessment."
- Below this will appear a "Download Respondus LockDown Browser" link. Click the link to go to the download page and then follow the instructions.
- Download Respondus LockDown Browser to your computer; follow the installation instructions
- Return to the test and select "View assessment".
- LockDown Browser will launch and the test will begin.

Note: LockDown Browser only needs to be installed once per computer or device. It will start automatically from that point forward when a test requires it.

Guidelines

When taking an online exam, follow these guidelines:

- Select a location where you are comfortable having a video recording taken of yourself and your workspace environment. This area should be free of distractions and interruptions.
- Turn off all other devices (e.g. tablets, phones, second computers) and place them outside of your reach
- Before starting the test, know how much time is available for it, and also that you've allotted sufficient time to complete it.
- Clear your desk or workspace of all external materials not permitted - books, papers, other devices.

- Remain at your computer for the duration of the test.
- If the computer, Wi-Fi, or location is different than what was used previously with the "Webcam Check" and "System & Network Check" in LockDown Browser, run the checks again prior to the exam
- To produce a good webcam video, do the following:
 - Avoid wearing baseball caps or hats with brims.
 - Ensure your computer or device is on a firm surface (a desk or table). Do NOT have the computer on your lap, a bed, or other surface where the device (or you) are likely to move.
 - If using a built-in webcam, avoid readjusting the tilt of the screen after the webcam setup is complete.
 - Take the exam in a well-lit room, but avoid backlighting (such as sitting with your back to a window).
- Remember that LockDown Browser will prevent you from accessing other websites or applications; you will be unable to exit the test until all questions are completed and submitted

Getting Help

Several resources are available if you encounter problems with LockDown Browser:

- The Windows and Mac versions of LockDown Browser have a "Help Center" button located on the toolbar. Use the "System & Network Check" to troubleshoot issues. If an exam requires you to use a webcam, also run the "Webcam Check" from this area.
- 24/7/365 Live Chat Support is also available from the Help Center, or from within the "it's not working" troubleshooter.
- [As applicable, insert information about your institution's help desk, including details about how to contact them. Some help desks want students to run the "System & Network Check" and the "Webcam Check" before they are contacted - and even, to forward the results of these checks at the time of opening a ticket.]
- Respondus has a Knowledge Base available from support.respondus.com. Select "LockDown Browser & Respondus Monitor" as the product to view helpful articles.
- If you're still unable to resolve a technical issue with LockDown Browser, go to support.respondus.com and select "Submit a Ticket". Provide detailed information about your problem and what steps you took to resolve it.

Course Grading

Summary of Course Grading:

Course Components	Tentative Dates	Weight
Quizzes	See Course Calendar	80%
Final Exam	6/2/2025	20%

Grading Scale:

Information on grades and grading can be found on the Registrar's site and in the catalog:

- [Registrar's Information on Grading Scales](#)

Due Dates and Late Policy

All course due dates are identified in the syllabus located in HuskyCT. Deadlines are based on Eastern Time; if you are in a different time zone, please adjust your submittal times accordingly. *The instructor reserves the right to change dates accordingly as the semester progresses. All changes will be communicated in an appropriate manner.*

Practice problems and solutions are provided to help you prepare for the quizzes & final exam.

Missed Assessment Policy

No makeup exams will be given without proper documents and the decision will be made by the instructor on a case-by-case basis.

Feedback and Grades

I will make every effort to provide feedback and grades in HuskyCT as soon as possible. To keep track of your performance in the course, refer to My Grades in HuskyCT.

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, 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. Additional Method: You may be required to present your UConn ID during exams.

Students who do not complete the above required authentication steps may be denied access to the course and given an incomplete. Students could lose credit if the identity of the enrolled student completing course activities and assessments cannot be confirmed.

Assessment/Exam Proctoring

Exams will be taken during the regular class period.

Virtual Classroom Guidelines

Attendance

This is an online course. You are expected to attend online and participate regularly.

Recording Lectures

I have pre-recorded the lectures. They will be available in HuskyCT. The recording feature for others in attendance will be disabled so that no one else will be able to record a session. In order to protect student privacy and intellectual property rights, students are prohibited from recording any session, or any portion of a session, by other means. At my discretion and in accordance with University policies and guidelines, I may share one or more of the recorded sessions with the class to provide students with an additional opportunity to review course content. The sharing of any recorded content without my written permission is prohibited. Please remember that the unauthorized recording or sharing of course content may be considered a violation of the law, University policy, and/or The Student Code. The web-based video delivery of each class in this course is for sole use of the students enrolled in this course. Any other use of these class videos or any pictures or derivatives of the class videos without the written consent of the course's professor is prohibited.

Copyright

My lectures, notes, handouts, and displays are protected by state common law and federal copyright law. Students are authorized to take notes in my class; however, this authorization extends only to making one set of notes for your own personal use and no other use. I will inform you as to whether you are authorized to record my lectures at the beginning of each semester. If you are so authorized to record my lectures, you may not copy this recording or any other material, provide copies of either to anyone else, or make a commercial use of them without prior permission from me.

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
 - Resources on Avoiding Cheating and Plagiarism
- [Academic, Scholarly, and Professional Integrity and Misconduct \(ASPIM\)](#)
- 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

Student Health and Wellness

The University of Connecticut strives to support the optimal well-being of all students. [Student Health and Wellness](#) (SHaW) offers a comprehensive set of services including medical care, mental health, and health promotion.

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](#))

Help

This course is facilitated online using the learning management platform, [HuskyCT](#). The [IT Knowledge Base](#) provides students with support, troubleshooting, and how-to information about HuskyCT. The [IT Knowledge Base](#) includes a video tour of HuskyCT.

For technical help with HuskyCT, you have access to the in-person/live person support options available during regular business hours through the [Technology Support Center](#). You also have [24x7 Course Support](#) outside of business hours, including access to live chat, phone, and support documents.

[Technical and Academic Help](#) provides a guide to frequently asked questions for online students.

Study Groups

Are you interested in forming a study group with other students in the class? There is a [study group application](#) in Nexus that can help you get started. View this [video](#) for more information.

Evaluation of the Course

Students will be provided an opportunity to evaluate instruction in this course using the University's [Student Experience of Teaching \(SET\)](#), which is administered by the [Office of Budget, Planning and Institutional Research](#) (BPIR).

Additional informal formative surveys may also be administered within the course as an optional evaluation tool.