Syllabus – STAT 2215Q-Summer 2022

Excluding materials for purchase, 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: Introduction to Statistics II   July 11 2022- August 12 2022
Credits: 3
Format: online
Prerequisites: STAT 1000Q (100) or 1100Q (110)
Professor: Nalini Ravishanker
Email: Use HuskyCT mail. If absolutely necessary, use my UConn email
nalini.ravishanker@uconn.edu. I will not check my phone messages.
Instructor Homepage: http://stat.uconn.edu/~nalini

This is an asynchronous online course. There will be no synchronous teaching. There will be office hours to meet me or the Teaching Assistant and discuss the material, homework, etc.

Office Hours and Tutoring Hours

Virtual Office Hours on Blackboard Collaborate Ultra - Prof. Ravishanker
TBA

During my Office Hours, I will be available through Blackboard Collaborate Ultra, our virtual meeting place. *Outside of my office hours*, if you do not get an email response from me within 24 hours, please contact me again.

Virtual Tutoring Hours on Blackboard Collaborate – Swathi Venkatesan, Teaching assistant
TBA

Discussion Board on HuskyCT

You can participate by actively posting questions/answers/comments regularly on HuskyCT Discussion Board. I will use this forum to give you tips, ask questions and promote active learning. I suggest you check this on a daily basis to learn actively.

Course Materials

Required course materials should be obtained before the first day of class.
For information, see Textbooks and Materials on our Enrolled Students page.

Required Materials:
Text: *The Statistical Sleuth: A Course in Methods of Data Analysis*, F. L. Ramsey and D. W. Schafer. Custom edition for University of Connecticut. Cengage Learning, 2013.

Here is the link to purchase access to the eText for the text:
https://www.cengage.com/c/the-statistical-sleuth-a-course-in-methods-of-data-analysis-3e-ramsey/9781133490678PF/

Computing software:
Students will use an interactive software package MINITAB for doing the data analysis. The latest version of Minitab can be accessed through Anyware Desktop. Also, see the UCONN software page: https://software.uconn.edu/software/minitab/

My Course material on HuskyCT: Apart from reading the chapters in the text by Ramsey and Schafer (R&S), you must access/read material from the following files that I have posted under each chapter on my **HuskyCT Stat 2215 course site**:
Introduction
Class Notes
Minitab
Discuss
Video Recordings of Lectures

Additional course readings and media if necessary, will be available within HuskyCT, through either an Internet link or Library Resources

Course Description

Course Description from Course Catalog. 2215Q (201). Introduction to Statistics II. Either semester. Three credits. Prerequisite: STAT 1000 (100) or 1100 (110). Open to sophomores or higher. Analysis of variance, multiple regression, chisquare tests, and non-parametric procedure.

Material covered:
Chapter 1 – Drawing Statistical Conclusions (Basics and review)
Chapter 2 – Inference using t-distributions (t-Tools)
Chapter 3 – A Closer Look at Assumptions
Chapter 4 – Alternatives to t-Tools
Chapter 5 – Comparisons among Several Samples
Chapter 7 – Simple Linear Regression
Chapter 8 – A Closer Look at Assumptions of Simple Linear Regression
Chapter 9 – Multiple Regression
Chapter 10 – Inferential Tools for Multiple Regression
Chapter 18 – Comparisons of Proportions or Odds

Course Objectives

Objectives are posted on HuskyCT under each Chapter.

Course Outline and Study Schedule

Study Schedule based on readings from Ramsey and Schafer (R&S) and Instructor Created Material (available on Stat 2215 course site on HuskyCT)

Week of	Study Material
Week of July 11	Chapters 1, 2 & 3
Week of July 18	Chapters 4 & 5; **Quiz 1 on Wed. July 20**
Week of July 25	Chapters 7 & 8; **proctored Midterm Exam on Thurs-Fri July 28-29**
Week of Aug 1	Chapters 9 & 10; **Quiz 2 on Wed. August 5**
Week of Aug 8	Ch. 18; Cumulative Review; **proctored Final on Thurs-Fri August 11-12**

Course Requirements and Grading

Distribution of Grades:

Your **course grade** will be based on **homework, two Quizzes, a Mid-term exam, and a Final exam**. All homework, quizzes, and exams will be submitted/taken online.
The online Midterm and Final exams will be proctored using ProctorU. Make sure you follow instructions to sign up with ProctorU as soon as the class starts.
No late homework will be accepted. No make-up quizzes or exams will be given.

Course Components	Weight
Homework	10%
Online Quiz 1, July 20	10%
Online, proctored Midterm Exam Open, July 28-29	35%
Online Quiz 2, August 5	10%
Online, proctored Final Exam Open, August 11-12	35%

Homework: Schedule for Submitting Homework online on HuskyCT

Submit your completed homework using the Assignment Tool on HuskyCT. Note that the due date for the last homework (only) is Wed August 10. Other homework sets are due on Sundays as shown below.

I will post the exercises pages from R&S for your convenience. Data files from R&S that you need for your homework will also be provided.

Homework   **Due on HuskyCT (by 11:59 pm; No extension)**
Ch2-HW &Ch3-HW   Sun. July 17
Ch4-HW & Ch5-HW   Sun. July 24
Ch7-HW & Ch8-HW   Sun. July 31
Ch9-HW & Ch10-HW   Sun. August 7
Ch18-HW   Wed. August 10

Note: Homework Solutions will usually be posted about 24-30 hours after the HW is due. No late homework will be accepted/graded.

Schedule for Quizzes and Exams (all exams must be taken online on HuskyCT)

Quiz 1 on Ch. 1-3: Wed. July 20
Proctored Midterm Exam on Ch. 1- 5: Thurs. July 28 - Fri. July 29
Quiz 2 on Ch. 7-8: Wed. August 5
Proctored Final exam, cumulative, on Ch. 1-5, 7-10 and18: Thurs. August 11 - Fri. August 12

Quiz 1: will be an unproctored online quiz. Students are held to the UConn honor code.
Quiz 2: will be an unproctored online quiz. Students are held to the UConn honor code.
Midterm Exam: Proctored online Exam, using ProctorU.
Final Exam: Proctored online Exam, using ProctorU.

Very Important: Please register with ProctorU **asap or immediately after July 11**, and schedule a time with them for you to take the Midterm and Final exams. It is especially crucial you set up a slot for your exam taking ASAP.

Note: The quizzes will be open for 24 hours. The exams will be open for 48 hours. You are allowed a CONTINUOUS interval of 1.5 hours for quizzes and a CONTINUOUS interval of 2 hours for the midterm exam and final exam. That is, you cannot take a break, log out, and come back. Once you choose a time and start, you must stay on and complete the quiz or exam in one stretch. The test will be automatically submitted at the end of the allotted time period. The Midterm and Final will be proctored by ProctorU. Please register with ProctorU **asap or immediately after July 11**, see details at the bottom of this file under Exam Proctoring using ProctorU**.**

Note: All quizzes and exams are closed books/notes. You may use formula sheets, as indicated in the quiz/exam descriptions. You will need a calculator.

Due Dates and Late Policy:

All due dates are clearly identified above. Deadlines are based on Eastern Standard 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.*
There are no extensions/late submissions allowed on Homework, quizzes, or exams. There will be no make-up quizzes or exams, unless you have documented medical reasons.

Feedback and Grades:

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

Grading Scale:

Grade	Letter Grade	GPA
93-100	A	4.0
90-92	A-	3.7
87-89	B+	3.3
83-86	B	3.0
80-82	B-	2.7
77-79	C+	2.3
73-76	C	2.0
70-72	C-	1.7
67-69	D+	1.3
63-66	D	1.0
60-62	D-	0.7
<60	F	0.0

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

- o Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials
- 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. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. 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:

- HuskyCT/Blackboard (HuskyCT/ Blackboard Accessibility Statement, HuskyCT/ Blackboard Privacy Policy)
- Download Minitab from https://software.uconn.edu/software/minitab/ or access Minitab through AnyWare.
- Adobe Acrobat Reader (Adobe Reader Accessibility Statement, Adobe Reader Privacy Policy)
- Google Apps (Google Apps @ UConn 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).
- You must have a camera to use with proctored exams.

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 is completely facilitated online using 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 the Minitab statistical software.
- 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.
- Use electronic mail with attachments.
- Test take on HuskyCT, and make sure your computer has what is required by ProctorU (see below).

University students are expected to demonstrate competency in Computer Technology. Explore the Computer Technology Competencies page for more information.

Evaluation of the Course

Students will be provided an opportunity to evaluate instruction in this course using the University's standard procedures, which are administered by the Office of Institutional Research and Effectiveness (OIRE).

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

Exam Taking Using ProctorU

The Midterm exam and Final exam in this online Stat 2215 course is facilitated using an online proctoring service (ProctorU).

ProctorU is available 24/7, however you will need to schedule your proctoring session at least 72 hours in advance to avoid any on demand scheduling fees.

ProctorU also provides free technical support to ensure you have the best testing situation possible. That is available at www.proctoru.com/testitout. On this page you will also be able to test your equipment, learn about what to expect during your proctoring session, and ask any questions you may have about the proctoring process with a ProctorU representative.

In order to use ProctorU **you will need to have a high-speed internet connection, a webcam (internal or external), a windows or apple Operating System, and a government issued photo ID**. ProctorU recommends that you visit proctoru.com/testitout prior to your proctoring session to test your equipment. For additional technical services needed before your exam, you can click on the button that says "connect to a live person."

You will need to use either Chrome or Firefox to take your exam.

In order to take the exam, there are some important steps you will need to take. Failure to do so in a timely manner may result in you not having access to the exam or you incurring special fees in order to take the exam. Read all of the information contained here so that your test taking experience goes as smoothly as possible.

Overview of Things to Do:

1. Please see the ProctorU's recource page to create an account and review other important information
2. On the ProctorU website, review
   - How it Works
   - Technical Specifications See "Requirements",
   - Equipment test (and read Pre-Exam Checklist).
3. Sign up for (or Log into) an account on ProctorU's website.
4. Sign up for an exam appointment. ***NOTE: You MUST sign up for an exam appointment at least 72 hours in advance.*** *If you sign up later, you will be required to pay a late fee directly to ProctorU.*

5. Just prior to your appointment slot, make sure your test taking space is prepared appropriately and log into ProctorU again to connect to your proctor.

   a) At the time of the exam appointment, return and log in at ProctorU's site only using **Chrome or Firefox**.
   b) Log in 10-15 minutes before at the scheduled time via https://go.proctoru.com,
   c) start the exam from the My Exams page, and
   d) click the download button to download the applet to connect with the live proctor.

   Note: Expect to begin your exam 10 – 15 minutes after you sign on to connect with a proctor. Show-up early for your selected exam time slot and remember to click the download button to begin the proctoring applet.

   e) You will connect live with a proctor
   f) Your student identity is verified
   g) The test taking area is approved
   h) Test taking parameters are communicated
   i) The proctor enters the exam password, and the test begins
   j) You are monitored during the test, and proctors will actively engage you in the event of a problem
   k) When the exam is completed, you notify the proctor that you are ready to submit the exam. The proctor watches the exam submission.
   l) Any incident reports are generated and emailed to faculty and eCampus staff for potentially problematic situations.

Summary: ProctorU will serve as the main point of contact for issues related to their service.

You will be monitored during the exam based on the exam taking parameters set forth by the instructor. Suspected violations will be noted and a report will be sent to the instructor and administrative staff at UConn.

Important Things to Note and Follow:
- Currently, only Chrome and Firefox are supported browsers and you will be prompted to download an extension.
- Complete **your equipment test on the actual computer and in the actual location that you will take the exams**.
- Some foreign countries may limit or prohibit access to certain US web-sites, including ProctorU.com. It is **your responsibility** to take the exam using the proctoring service. While using UConn's VPN may or may not allow you to gain access to take the exam, it is your responsibility to be aware of and abide by and laws and regulations where you are located.
- Your exam taking location must be a private controlled environment. The only exception may be a public library, but your instructor may have additional restrictions and you should inquire ahead of time if you have a question.
- Review the technical requirements and note that Chromebooks will not work with ProctorU.

- **Specific Instructions for the Midterm Exam:**
  - The Midterm Exam covers material from Chapters 1-5 of Ramsey and Schafer and my Class Notes.
  - You have a maximum of 2 hours (120 mins) to complete the Midterm Exam, which has 20 questions. There will be True/False, Multiple Choice and Essay questions.
  - Closed book, closed notes. You may refer to 2 sheets of formulas, typed or handwritten (2 sided is OK).
  - You will need a calculator.
  - You can use the Tables A.1, A.2, and A.4 that have been scanned and provided for your use. You may also bring printed copies of the tables.

- You will be allowed a bathroom break, if needed.

- **Specific Instructions for the Final Exam:**
  - The Final Exam is cumulative and covers **all** the material from Chapters 1-5, 7-10 and 18 of Ramsey and Schafer and my Class Notes.
  - You have a maximum of 2 hours (120 mins) to complete the Midterm Exam, which has 20 questions. There will be True/False, Multiple Choice and Essay questions.
  - Closed book, closed notes. You may refer to 3 sheets of formulas, typed or handwritten (2 sided is OK).
  - You will need a calculator.
  - You can use the Tables A.1, A.2, and A.4 that have been scanned and provided for your use. You may also bring printed copies of the tables.
  - You will be allowed a bathroom break, if needed.

Contact ProctorU: If test-takers have any questions before or after an exam, you can call the proctor line at 855-772-8678 or email help@proctoru.com