

### Syllabus – STAT 2215Q-Summer 2025

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 June 2 2025 - July 3 2025

**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](mailto:nalini.ravishanker@uconn.edu). I will not check my phone messages regularly.

**Instructor Homepage:** <https://nalini-ravishanker.scholar.uconn.edu/>

This is an **asynchronous online** course. There will be **no synchronous teaching**. There will be virtual 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

Tues. 3:00 pm – 4:00 pm

Thurs. 3:00 pm – 4:00 pm

Fri. 10:00 am – 11:00 am

##### Virtual Tutoring Hours on Blackboard Collaborate - Teaching assistant Kapil Chandak

Mon. 2:00 pm - 3:00 pm

Wed. 8:00 pm - 9:00 pm

Thurs. 7:00 pm - 8:00 pm

Sun. 2:00 pm - 3:00 pm

#### 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.**

##### **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.

Required textbooks are available for purchase through the [UConn Bookstore](#) (or use the Purchase Textbooks tool in HuskyCT). Textbooks can be shipped ([fees apply](#)).

Here is a link to purchase access to the eText for \$59.99 for 6-month access:

<https://www.cengage.com/c/the-statistical-sleuth-3e-ramsey-schafer/9781133490678/>

##### **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 Stat 2215 course site** 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

Week of June 2

Week of June 9

Week of June 16

Week of June 23

Week of June 30

#### Study Material

Chapters 1, 2 & 3

Chapters 4 & 5; **proctored Quiz 1 on Wed June 11**

Chapters 7 & 8; **proctored Midterm Exam on Fri June 20**

Chapters 9 & 10; **proctored Quiz 2 on Wed June 25**

Ch. 18; Cumulative Review; **proctored Final on Thurs July 3**

### 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 quizzes, Midterm Exam and Final exam will be taken using Respondus Lockdown Browser and Monitor.

**No late homework will be accepted. No make-up quizzes or exams will be given.**

Course Components	Weight
Homework	10%
Online proctored Quiz 1, June 11	15%
Online proctored Midterm Exam, June 20	30%
Online proctored Quiz 2, June 25	15%
Online, proctored Final Exam, July 3	30%

### 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 first homework is Sun. June 8, while the due date for the last homework is Tues July 1. 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. June 8
Ch4-HW & Ch5-HW	Sun. June 15
Ch7-HW & Ch8-HW	Sun. June 22
Ch9-HW & Ch10-HW	Sun. June 29
Ch18-HW	Tues. July 1

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

### Schedule for Quizzes and Exams (must be taken online on HuskyCT and will be proctored)

**Quiz 1** on Ch. 1-3: Wed. June 11

**Midterm Exam** on Ch. 1- 5: Fri. June 20

**Quiz 2** on Ch. 7-8: Wed. June 25

**Final exam**, cumulative, on Ch. 1-5, 7-10 and 18: Thurs July 3

**Note:** Quiz 1, Quiz 2, the Midterm Exam and Final Exam will be open for 24 hours. Select a CONTINUOUS time interval of 1.5 hours for the quizzes and a CONTINUOUS time 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 quizzes and exams will be proctored using Respondus Browser and Monitor. You must make sure your computer has all the items required for you to use this.

**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:

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

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

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

Grade	Letter Grade	GPA
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 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. Online proctoring using Respondus Lockdown Browser and Monitor.

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 faculty cannot confirm the identity of the enrolled student completing course activities and assessments.

### 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 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](#))
- 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

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

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.

## 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 Respondus Lockdown Browser and Monitor (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 [Student Evaluation of Teaching \(SET\)](#), which is administered by the [Office of Budget, Planning and Institutional Research](#)

## Quiz/Exam Taking Using Respondus Lockdown Browser and Monitor

The two quizzes, Midterm exam and Final exam in this online Stat 2215 course are facilitated using the Respondus Lockdown Browser and Monitor. Please see this link for details on its download, setup, and use: <https://kb.uconn.edu/space/TL/10770820319>

### • Specific Instructions for Quiz 1:

- Quiz 1 covers material from Chapters 1-3 of Ramsey and Schafer and my Class Notes.
- You have a maximum of 1.5 hours (75 mins) to complete Quiz 1. There will be True/False, Multiple Choice and Essay questions.
- Closed book, closed notes. You may refer to 1 sheet of formulas, typed or handwritten (2 sided is OK).
- You will need a calculator.
- You can use 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.
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### • 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. 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 Quiz 2:**

- Quiz 2 covers material from Chapters 7-8 of Ramsey and Schafer and my Class Notes.
- You have a maximum of 1.5 hours (75 mins) to complete Quiz 2. There will be True/False, Multiple Choice and Essay questions.
- Closed book, closed notes. You may refer to 1 sheet of formulas, typed or handwritten (2 sided is OK).
- You will need a calculator.
- You can use 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.

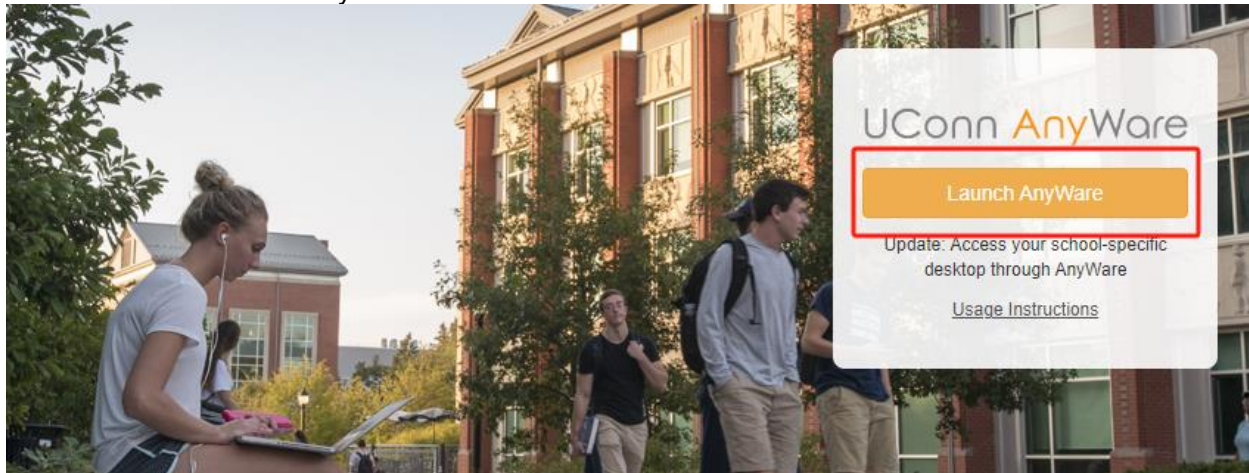
- **Specific Instructions for the Final Exam:**

- 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 Final Exam. 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.

### **Access Minitab 22 through UConn Anyware Desktop**

The steps for accessing Minitab 22 are as follows:

1. Go to the url: <https://anyware.uconn.edu>
2. Click on Launch Anyware



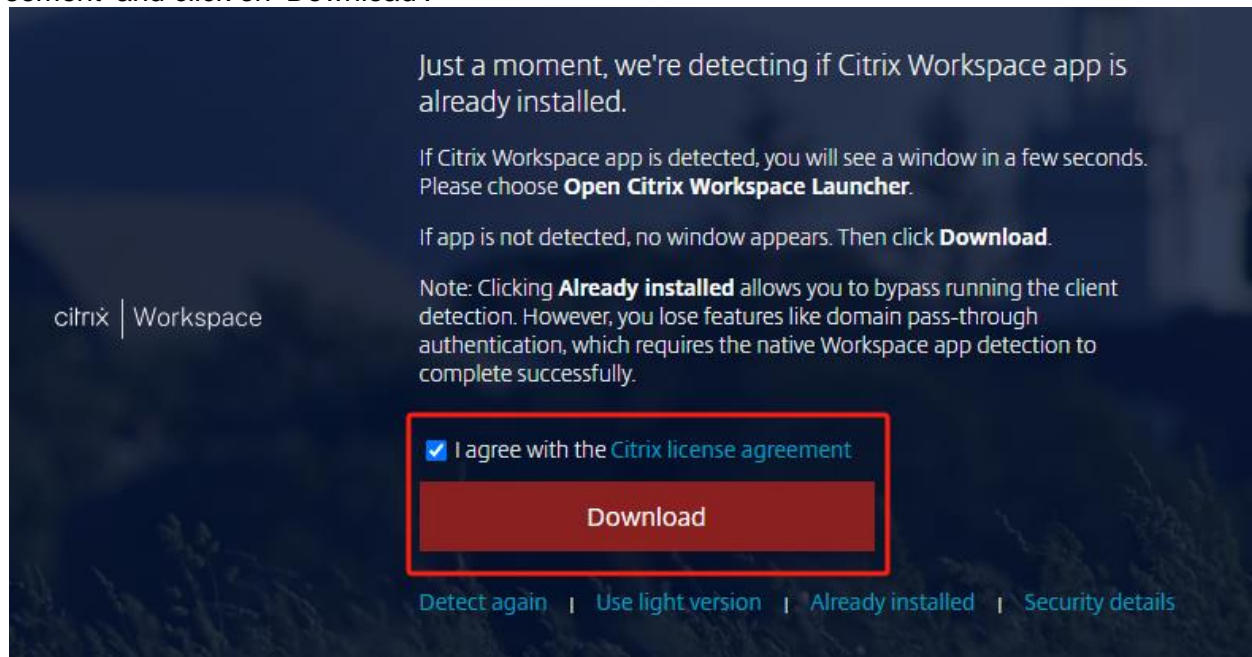
3. This will take you to a new page with the following dialogue box. Fill out your netID and password.

4. After you log on, the following page will appear, click on 'Detect Citrix Workspace app' or 'Use light version'.

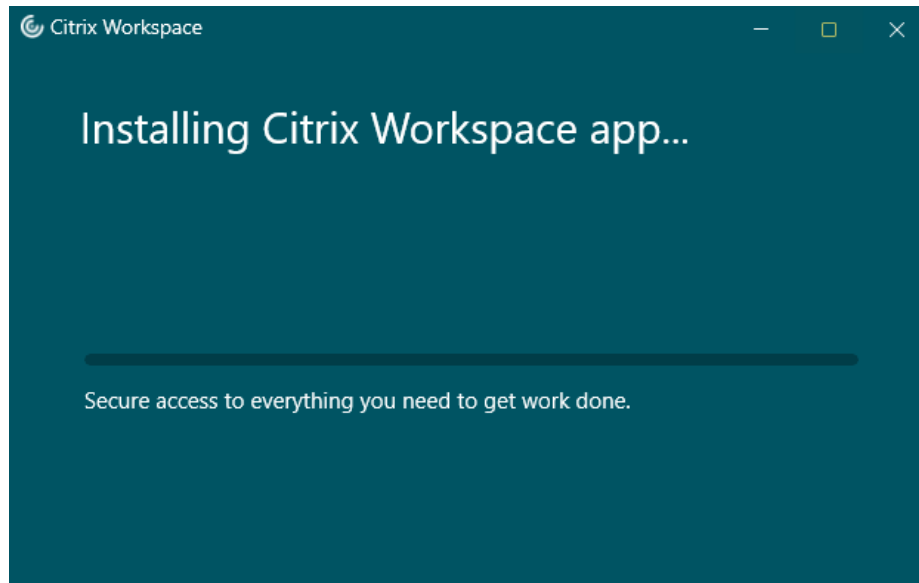


Go to step 9 if you click on 'Use light version'.

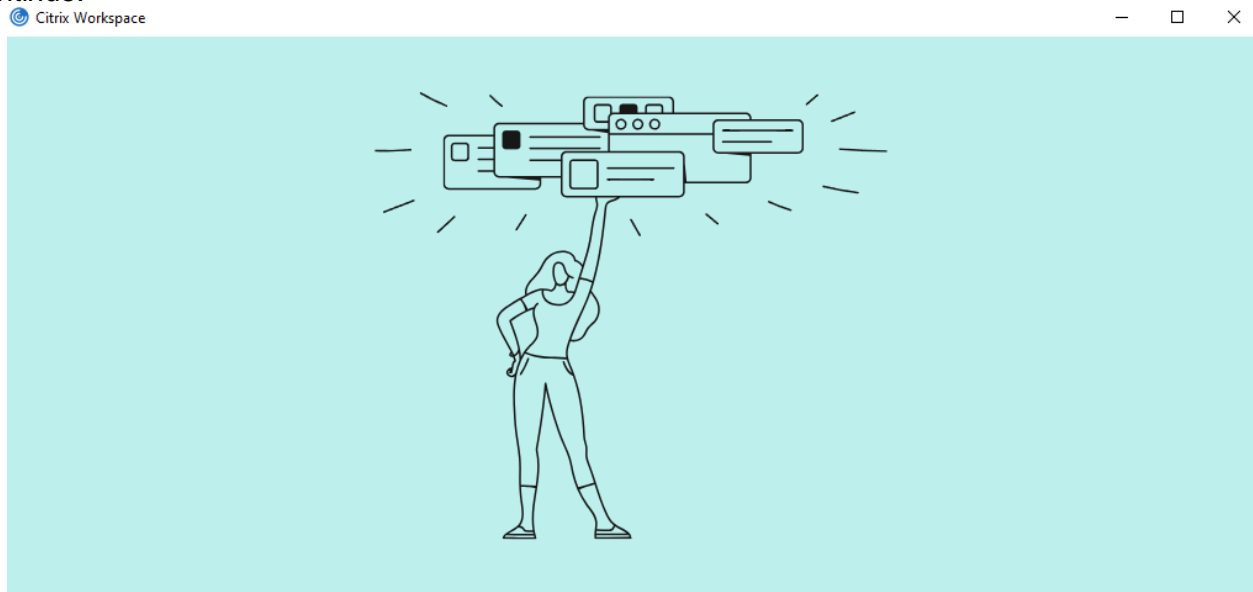
5. If you click on Detect Citrix Workspace app, then select 'I agree with the Citrix license agreement' and click on 'Download'.



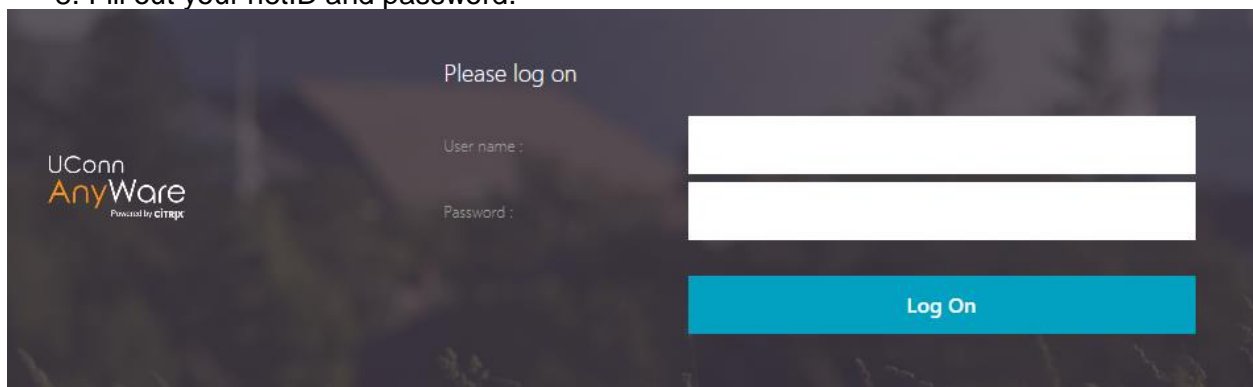
6. Install the Citrix WorkspaceApp.



7. After installing the Citrix WorkspaceApp, enter the UConn email address and click on Continue.

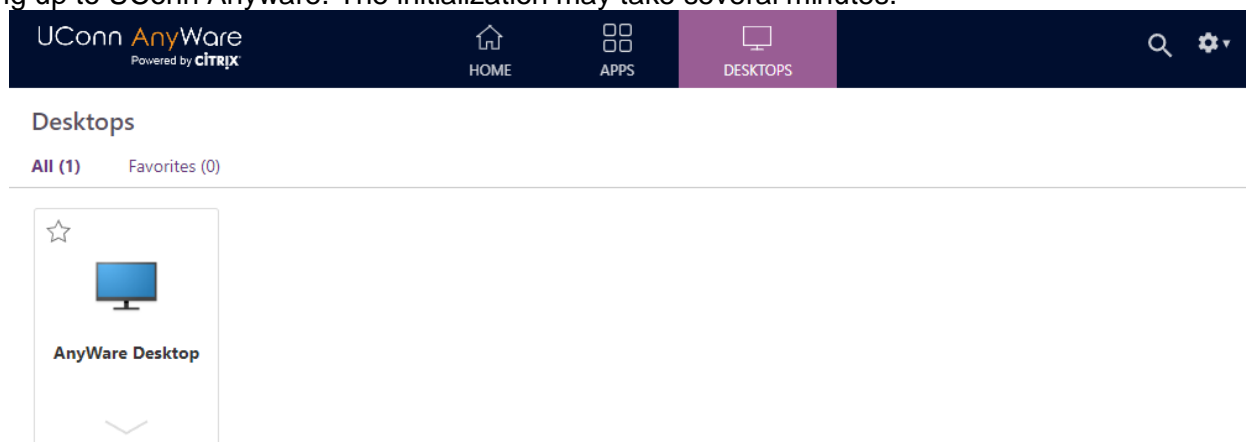


8. Fill out your netID and password.



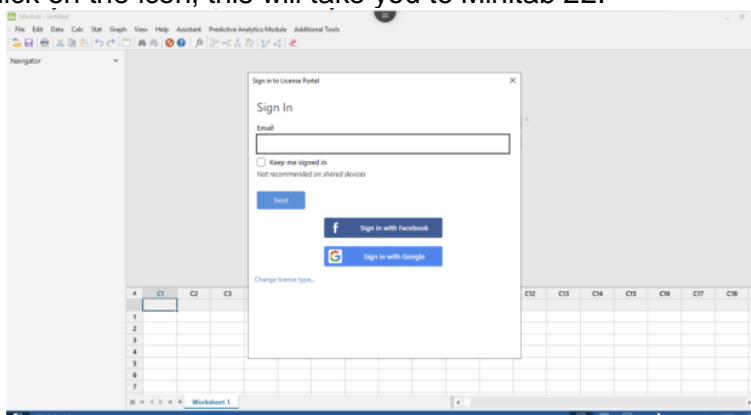


9. Click on Anyware Desktop and then on open Citrix Workspace Launcher and this should bring up to UConn Anyware. The initialization may take several minutes.



10. Use the search option at the bottom of the screen and search Minitab 22.

11. After you click on the icon, this will take you to Minitab 22.



12. Fill out your school email (using which you set up your Minitab Account), enter your NetID and password, and you are all set to use Minitab 22.

You can install the Citrix Workspace client for Mac, Windows, iOS, or Android on devices (one-time process) from <https://www.citrix.com/downloads/workspace-app/>.

Note: After the installation, a dialog box will pop out and ask if you want to upgrade to the latest version. Please DO NOT upgrade. Stay with Version 22, which is still available if users decline the upgrade. All my course material and HW solutions will be based on Minitab version 22.

For more information regarding setting up and accessing UConn Anyware, please visit <https://kb.uconn.edu/space/IKB/10785229501/Setting+Up+and+Accessing+UConn+Anyware>.