Syllabus – Summer 2015

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  
Credits: 3  
Format: online  
Prerequisites: STAT 1000Q (100) or 1100Q (110)  
Professor: Nalini Ravishanker  
Email: nalini.ravishanker@uconn.edu (Use HuskyCT mail regularly, and if absolutely necessary, use my UConn email)  
Telephone: 860-486-4760  
Other: Instructor Homepage: http://stat.uconn.edu/~nalini  
Office Hours/Availability: June 1 to July 2, 2015: Mon 1:00-2:00pm; Tues 5:30-6:30pm; Wed 6:30-7:30pm; Thurs 9:00-10:00am  
During my Office Hours, I will be available through WebEx, our virtual meeting place.  
Outside of my office hours, if you do not get an email response from me within 48 hours, please contact me again.

Course Materials

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

Texts are available through a local or online bookstore. The UConn Co-op carries many materials that can be shipped via its online Textbooks To Go service. For more information, see Textbooks and Materials on our Enrolled Students page.

Required Materials:

Computing software: Students will use an interactive software package MINITAB for doing the data analysis. MINITAB is available in computing labs at UConn, and is also available on skybox http://skybox.uconn.edu/

Reading material on HuskyCT:
Under each Chapter, you must use the following files as study material:  
Introduction  
Class Notes  
Minitab  
Discuss  
Video Recordings of Lectures

Additional course readings and media are available within HuskyCT, through either an Internet link or Library Resources.
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, chi-square 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 reading from Ramsey and Schafer and Instructor Created Material

<table>
<thead>
<tr>
<th>Week of</th>
<th>Study Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week of June 1</td>
<td>Chapters 1, 2 &amp; 3</td>
</tr>
<tr>
<td>Week of June 8</td>
<td>Chapters 4 &amp; 5; Quiz 1</td>
</tr>
<tr>
<td>Week of June 15</td>
<td>Chapters 7 &amp; 8; Midterm Exam</td>
</tr>
<tr>
<td>Week of June 22</td>
<td>Chapters 9 &amp; 10; Quiz 2</td>
</tr>
<tr>
<td>Week of June 29</td>
<td>Ch. 18; Cumulative Review for proctored Final Exam</td>
</tr>
</tbody>
</table>

Course Requirements and Grading

Distribution of Grades:
Your course grade will be based on participation in online discussion, regular homework, two Quizzes, a Mid-term exam, and a Final exam. All homework, quizzes and exams will be online. The Midterm and Final exams will be proctored using ProctorU- details will be announced.

<table>
<thead>
<tr>
<th>Course Components</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discussion Participation on WebEx and HuskyCT Discussion Board</td>
<td>5%</td>
</tr>
<tr>
<td>Homework</td>
<td>20%</td>
</tr>
<tr>
<td>Quiz 1 (online, Wed. June 10)</td>
<td>10%</td>
</tr>
<tr>
<td>Quiz 2 (online Wed June 24)</td>
<td>10%</td>
</tr>
<tr>
<td>Midterm Exam (online, proctored, Fri June 19)</td>
<td>25%</td>
</tr>
<tr>
<td>Final Exam (online, proctored, Thurs July 2)</td>
<td>30%</td>
</tr>
</tbody>
</table>
Description of Grade Components

Participation on WebEx: Participate by attending online office hours on Webex. Also participate by posting questions/answers/comments on HuskyCT Discussion Board.

Homework: Schedule for Submitting Homework online on HuskyCT

<table>
<thead>
<tr>
<th>Homework</th>
<th>Due on HuskyCT (by 11:59 pm; No extension)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HW2</td>
<td>Thurs June 4 2015</td>
</tr>
<tr>
<td>HW3 &amp; HW4</td>
<td>Thurs June 11 2015</td>
</tr>
<tr>
<td>HW5 &amp; HW7</td>
<td>Thurs June 18 2015</td>
</tr>
<tr>
<td>HW8 &amp; HW9</td>
<td>Thurs June 25 2015</td>
</tr>
<tr>
<td>HW10 &amp; HW18</td>
<td>Wed July 1 2015</td>
</tr>
</tbody>
</table>

Quiz 1: Unproctored online quiz. Students are held to the UConn honor code.
Quiz 2: Unproctored online quiz. Students are held to the UConn honor code.

Midterm Exam: Proctored online Exam.
Final Exam: Proctored online Exam.

Schedule for Quizzes and Exams
Quiz 1 on Ch. 1-3: Wed June 10
Midterm Exam on Ch. 1-5: Fri June 18
Quiz 2 on Ch. 7-8: Wed June 24
Final exam, cumulative, on Ch. 1-5, 7-10, 18: Thurs July 2

Note: The quizzes and exams will ONLY be open for 2 days, starting the day prior to the specified date at 12:30 am and ending the specified date at 11:59pm. You have a CONTINUOUS interval of 1.5 hours for quizzes and 2 hours for the midterm and final exams. That is, you cannot take a break and come back. If you choose a time, you must stay on and complete the text in one stretch. The test will be automatically submitted at the end of this time period. The Midterm and Final will be proctored by ProctorU.

Note: The exams are closed books/notes. You may use 1 page of formulas. You will need a calculator.

Due Dates and Late Policy:
All course due dates are 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.

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

Grading Scale:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Letter Grade</th>
<th>GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100</td>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>90-92</td>
<td>A-</td>
<td>3.7</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>83-86</td>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>80-82</td>
<td>B-</td>
<td>2.7</td>
</tr>
<tr>
<td>77-79</td>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>73-76</td>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>70-72</td>
<td>C-</td>
<td>1.7</td>
</tr>
<tr>
<td>67-69</td>
<td>D+</td>
<td>1.3</td>
</tr>
<tr>
<td>63-66</td>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>60-62</td>
<td>D-</td>
<td>0.7</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
<td>0.0</td>
</tr>
</tbody>
</table>
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. This section provides a brief overview to important standards, policies and resources.

**Student Code**

You are responsible for acting in accordance with the [University of Connecticut's Student Code](#). Review and become familiar with these expectations. In particular, make sure you have read the section that applies to you on Academic Integrity:

- [Academic Integrity in Undergraduate Education and Research](#)
- [Academic Integrity in Graduate Education and Research](#)

Cheating and plagiarism are taken very seriously at the University of Connecticut. As a student, it is your responsibility to avoid plagiarism. If you need more information about the subject of plagiarism, use the following resources:

- [Plagiarism: How to Recognize it and How to Avoid It](#)
- [University of Connecticut Libraries’ Student Instruction](#) (includes research, citing and writing resources)

**Copyright**

Copyrighted materials within the course are only for the use of students enrolled in the course for purposes associated with this course and may not be retained or further disseminated.

**Netiquette and Communication**

At all times, course communication with fellow students and the instructor are to be professional and courteous. It is expected that you proofread all your written communication, including discussion posts, assignment submissions, and mail messages. If you are new to online learning or need a netiquette refresher, please look at this guide titled, [The Core Rules of Netiquette](#).

**Adding or Dropping a Course**

If you should decide to add or drop a course, there are official procedures to follow:

- Matriculated students should add or drop a course through the [Student Administration System](#).
- Non-degree students should refer to [Non-Degree Add/Drop Information](#) located on the registrar’s website.

You must officially drop a course to avoid receiving an “F” on your permanent transcript. Simply discontinuing class or informing the instructor you want to drop does not constitute an official drop of the course. For more information, refer to the:

- [Undergraduate Catalog](#)
- [Graduate Catalog](#)

**Academic Calendar**

The University's [Academic Calendar](#) contains important semester dates.

**Academic Support Resources**

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

**Students with Disabilities**

Students needing special accommodations should work with the University's [Center for Students with Disabilities (CSD)](#). You may contact CSD by calling (860) 486-2020 or by emailing csd@uconn.edu. If your request for
accommodation is approved, CSD will send an accommodation letter directly to your instructor(s) so that special arrangements can be made. (Note: Student requests for accommodation must be filed each semester.)

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)

Policy against Discrimination, Harassment and Inappropriate Romantic Relationships

The University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured an atmosphere of mutual respect. All members of the University community are responsible for the maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate Romantic relationships can undermine the University’s mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate Romantic relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Refer to the Policy against Discrimination, Harassment and Inappropriate Romantic Relationships for more information.

Sexual Assault Reporting Policy

To protect the campus community, all non-confidential University employees (including faculty) are required to report assaults they witness or are told about to the Office of Diversity & Equity under the Sexual Assault Response Policy. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide will remain private, it will not be confidential and will be shared with University officials who can help. Refer to the Sexual Assault Reporting Policy for more information.

Software Requirements and Technical Help

- Word processing software
- Adobe Acrobat Reader
- Internet access
- Students will use an interactive software package MINITAB for doing the data analysis. MINITAB is available in computing labs at UConn and is also available on skybox http://skybox.uconn.edu/

This course is completely facilitated online using the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, online students have access to the in person/live person support options available during regular business hours in the Digital Learning Center (www.dlc.uconn.edu). Students also have 24x7 Course Support including access to live chat, phone, and support documents.

The Q center has set up to specifically support online students this summer using online interactive services. The Q Center should be open Monday through Thursday from 1 – 5 pm from 6/1 – 8/13.

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.

University students are expected to demonstrate competency in Computer Technology, please see the catalog.

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.