

University of Florida
College of Public Health and Health Professions Syllabus

PHC6050 Statistical Methods for Health Science I (3 credit hours)

Spring 2025

Delivery Format: Online (Asynchronous)

Course Materials, Assignments, Grades, etc.: <http://elearning.ufl.edu/>

Free multimedia learning resources: [BOLT](#) (Biostatistics Open Learning Textbook)

Note: It is important to review the home page in CANVAS each week and read all announcements carefully.

STARTING THIS COURSE:

1. Read this syllabus then take the “Syllabus Quiz” (Quiz 1) located under Assignments in CANVAS. This quiz is required and will count toward your final grade. It is based on the information contained in this syllabus and may be taken as many times as needed.
2. Find Assignment 1 – Pre-semester Survey & Community Construction Activity under Assignments in CANVAS and answer all questions.
3. Review the E-Learning homepage and weekly schedule, make a study plan that fits your work schedule and guarantees you study the material and complete each assignment on time.

INSTRUCTOR:	Dr. Lixia Wang
Office:	CTRB 5212
Phone Number:	352-294-5919
Email:	lixia.wang@ufl.edu
Time for Office Hours:	M & R: 12:00-1:00 PM (ET) or by appointment
Zoom link to office hours:	check in Modules on E-learning

PREFERRED COURSE COMMUNICATIONS:

- Ask questions during office hours pertaining to assignments, worksheets, and lecture notes.
- Ask about specific questions or issues of a personal nature by email through CANVAS inbox in E-learning.
- Ask more general questions (NOT personal or specific quiz questions) on the discussion board.

NOTE: If you email me directly, please specify your course number.

TEACHING ASSISTANT: TBD (TBD@ufl.edu)

ABOUT THE COURSE

Prerequisites: There are no specific prerequisite courses, but students should be comfortable working with equations, performing basic mathematical calculations (e.g., order of operations, fractions, and square roots), and working with computers.

Course Overview: Statistical methods for description and analysis provide investigators with useful tools for making sense of data. The pervasiveness of statistics in public health as well as other fields has led to increased recognition that statistical literacy—familiarity with the goals and methods of statistics—should be a basic component of a well-rounded educational program. In this 3-credit course, students will develop statistical vocabulary, learn methods for descriptive data analysis, study the fundamentals of probability and sampling

distributions, learn methods for point and confidence interval estimation and hypothesis testing based on one or two samples, become familiar with methods (both the parametric and non-parametric) commonly used to analyze the relationship between two variables (two dimensional data) in three cases: Case CQ, Case CC, and Case QQ, and be comfortable to perform (when appropriate) simple linear regression and interpret the results in context. Data analysis will be conducted in SPSS.

Relation to Program Outcomes: This three-credit course is a required concentration core course for MPH Biostatistics students and covers the following competencies.

- Describe the role of biostatistics in public health research.
- Use appropriate statistical methodology to address public health problems.
- Apply software to conduct statistical analyses.
- Interpret and critique analyses found in public health studies.

Course Objective and/or Goals: Upon successful completion of this course, students will be able to

- CO-1: Describe the role biostatistics serves in the discipline of public health.
- CO-2: Differentiate among different sampling methods and discuss their strengths and limitations.
- CO-3: Describe the strengths and limitations of designed experiments and observational studies.
- CO-4: Distinguish among different measurement scales, choose the appropriate descriptive and inferential statistical methods based on these distinctions, and interpret the results.
- CO-5: Determine preferred methodological alternatives to commonly used statistical methods when assumptions are not met.
- CO-6: Apply basic concepts of probability, random variation, and commonly used statistical probability distributions.
- CO-7: Use statistical software to analyze public health data.
- CO-8: Develop presentations based on statistical analyses for both public health professionals and educated lay audiences.

Instructional Methods: This is a fully online asynchronous course. All lecture slides, pre-recorded lectures/demo videos, quizzes, homework assignments, course projects, discussion board, announcements, and course messaging system, are available in [E-learning](#). An independent/auxiliary open learning resource (including textbook and software tutorial videos) is also free for you to access either from weekly module on our Canvas course website or directly at [BOLT](#). My office hours can be attended via zoom or in person.

DESCRIPTION OF COURSE CONTENTS

Weekly Topical Outline

Week	Date(s)	Topic(s)
1	1/13-1/18	Introduction to the Course & Preliminaries. Unit 1: Explanatory Data Analysis (EDA) Unit 1A –EDA for One Variable
2	1/20-1/25	Unit 1B – EDA for Two Variables
3	1/27-2/1	Unit 2 – Producing Data
4	2/3-2/8	Unit 3: Probability Theory Unit 3A – Probability
5	2/10-2/15	Unit 3B1 – Discrete Random Variables
6	2/17-2/22	Unit 3B2 – Continuous Random Variables
7	2/24-3/1	Unit 3B3 – Sampling Distributions
8	3/3-3/8	Unit 4: Inferential Statistics Unit 4A1 – Estimation

9	3/10-3/15	Unit 4A2 – Hypothesis Testing
SB	3/17-3/22	Spring Break
10	3/24-3/29	Unit 4B1 – Inference for Relationships (Case CQ)
11	3/31-4/5	Unit 4B1(C.) – Inference for Relationships (Case CQ)
12	4/7-4/12	Unit 4B2 – Inference for Relationships (Case CC)
13	4/14-4/19	Unit 4B3 – Inference for Relationships (Case QQ)
14	4/21-4/26	Wrap-Up (All Classes at UF end on Wednesday 4/23)
15	4/28-5/2	Final Exam Week

A detailed schedule of assignments with due dates can be found at the end of the syllabus.

COURSE MATERIALS AND TECHNOLOGY

- All lecture materials, quizzes, homework, project, etc. are available online at: <http://elearning.ufl.edu>. An independent/auxiliary open learning resource (including textbook and software tutorial videos) is also free for you to access either from weekly module on our Canvas course website or directly at [BOLT](#) for your convenience.
- There is no required textbook to purchase for this course. However, the following textbooks may serve as useful references with additional examples/exercises:
 - Daniel, W.D. (2013): *Biostatistics: A Foundation for Analysis in the Health Sciences*. 10th Edition, Wiley.
 - Agresti, A. (2013): *The Art and Science of Learning from Data*. 4th Edition, Pearson.
- You will also need access to the statistical software package, SPSS. **IMPORTANT:** Course materials may discuss multiple software packages, but in **PHC 6050 you are only responsible for SPSS**.

Videos, Recorded Lectures & Demos

- Most videos presented in the course material are stored in YouTube.
- If the text in a video is too blurry, try increasing the quality of the YouTube video using the small gear icon which appears at the bottom of the video when it is playing.
- If you want to view the video faster or slower, you can adjust the speed using the gear icon.
- Many videos have closed captions and/or transcripts available.
- In addition to these videos, recorded lectures and demos will be posted at the start of each week. Recorded lectures will largely recap course readings while demos will walk through examples for you.

Statistical Software – SPSS

Students can access SPSS by purchasing SPSS license or via UFApps for free.

- There are two ways of SPSS Licensing for Students at UF (You can also obtain this software from other resources).
 - *Direct student leasing* is available for use on personally owned computer. It can be purchased **ON CAMPUS** at the UF Computing Help Desk located at the 132 HUB Stadium Road (<http://helpdesk.ufl.edu/software-services/spss/>) (or search for “SPSS Licensing for Students” at <https://software.ufl.edu/>). The most current version is SPSS v29. SPSS is available for both Windows and Macintosh. It may require additional time for the OS X media to be created. Please let the Help Desk know if you require additional media for a non-Windows install. Currently, it is not possible to obtain this software remotely (off main campus).
 - All UF students located off main campus are directed to use IBM® SPSS® educational sales program with ONTHEHUB – <http://www.onthehub.com/spss/>. It is currently the only means to provide this media.

Note: The version available through UF is less expensive than the versions you can buy elsewhere; however, if you buy this software from another source be sure to obtain either the **STANDARD GRADUATE PACK (GRADPACK)** or **PREMIUM GRADUATE PACK**. The BASE or other versions may not have enough functionality for this course.

- SPSS is also available on *UFApps for students*, <https://info.apps.ufl.edu>. Besides SPSS, this free Apps server also provide various other applications such as Microsoft Office. This works for any computing device from any location

at any time, as long as you log in with your GatorLink Credentials. Many students have been successful at using this system for their assignments in this course. I highly recommend storing your files on the M: drive (can also be found in UFApps) because it provides the best performance when working with files in UFApps. You may find the information below very useful:

<https://info.apps.ufl.edu/frequently-asked-questions/first-time-use/>,

<https://info.apps.ufl.edu/frequently-asked-questions/using-ufapps/>, and

<https://info.apps.ufl.edu/frequently-asked-questions/using-ufapps/access-canvas-from-within-ufapps/>.

SPSS Tutorials

Tutorials for all skills needed for assignments in this course can be found on BOLT at <https://bolt.mph.ufl.edu/software/spss/>. We have tried to make it as easy as possible to follow along with the tutorials. Watching the videos at a slower speed can help. Viewing the transcripts while you watch or work in SPSS may also help. Whenever possible, many students find it helpful to have the videos playing in one window, monitor, or other device while working in the software in another, pausing as needed to work through the process with your own data.

Recommended SPSS Books (optional – extra resources)

Although we provide tutorials for all SPSS skills required for this course, there are numerous SPSS guides available if you wish to purchase one. The best for you may depend on what you might be doing with SPSS after our course. We have had recommendations from students for Julie Pallant’s “SPSS Survival Manuals.” Many resources are available both in print and online via the UF library. Your recommendations for others are also appreciated.

IMPORTANT: SPSS has graphical interface, and it is beginner friendly. However, it may still need some time for some students to get used to it. If you are having issues with using SPSS to do assignments, let us know immediately, and we will help as soon as possible. Do not allow yourself to waste time working in the software. Try to make sure as much of your time as possible in the software is productive.

COMPUTING

Please review the Student Computing requirements appropriate for you found at <http://mph.ufl.edu/current-students/student-essentials/technology-requirements/>.

E-learning

An E-Learning site is available for the course (<http://elearning.ufl.edu>). The weekly schedule and all course materials, as well as grades, assignments, discussions boards, and other course information are available online through this site. **It is very important to check the weekly page, review all announcements carefully, and finish each quiz, assignment, project before its due date.**

RESPONSE TIMES

For questions posted Monday-Thursday, I will try my best to respond within 24 hours. For questions posted Friday-Sunday, I will respond Monday or as soon as possible thereafter.

ANNOUNCEMENTS

Class announcements will be sent via the Announcements tool in E-Learning. You should have your CANVAS notification settings to send alerts to your UF email for announcements through CANVAS. You are responsible for all information in these announcements. As a student of the University of Florida, it is very important to check your UFL email address and course sites regularly. An easy way to access your UF email account is at <http://webmail.ufl.edu>.

DISCUSSION BOARDS

Reviewing the discussion posts of other students and posting your own can be very helpful.

TECHINICAL SUPPORT

For technical support for this class, please contact the UF Help Desk at:

- helpdesk@ufl.edu
- (352) 392-HELP - select option 2
- <https://helpdesk.ufl.edu/>

More resources for technical help:

- **NON-SPSS TECHNICAL HELP:** Information on many common issues can be found in the E-Learning support pages at <http://studentlife.online.mph.ufl.edu/e-learning/>.
- For technical difficulties with E-Learning in general please contact the UF Help Desk at: Learning-support@ufl.edu or (352) 392-HELP – select option 2.
- For problems with our E-Learning CANVAS site, activities and assessments, please contact Dr. Wang.

Additional Academic Resources

[Career Connections Center](#): Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services.

[Library Support](#): Various ways to receive assistance with respect to using the libraries or finding resources.

[Teaching Center](#): Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring.

[Writing Studio](#): 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.

Student Complaints On-Campus: [Visit the Student Honor Code and Student Conduct Code webpage for more information](#).

On-Line Students Complaints: [View the Distance Learning Student Complaint Process](#).

ACADEMIC REQUIREMENTS AND GRADING

Grades will be based on quizzes, homework assignments, and a 4 steps course project.

Quizzes: There will be untimed quizzes in Canvas covering the material assigned for the review of the previous week. Quizzes test basic definitions and skills and may sometimes be cumulative in that they will go back and ask earlier questions. Quizzes are typically due on Friday at 11:59 pm (some quizzes may due on Tuesday at 11:59pm). **You have up to three attempts for each quiz before its due date and your highest of these scores will be recorded.** Quizzes test basic definitions and skills and may sometimes be cumulative in that they will go back and ask earlier questions. We highly recommend that you start your first attempt early and take your three attempts on different days with time for reviewing the course material in between. When you submit a quiz attempt, you will see your grade and will be able to review your quiz attempt. For each question, you will see whether you answered correctly or incorrectly but it will not reveal the correct answer for any you did not answer correctly. There will also be feedback for each question which will direct you to the most important content to review.

Assignments: Most assignments will involve data analysis in software and interpretation and/or certain questions which cannot be easily presented in the quizzes. Assignments will normally be due on Tuesdays at 11:59 pm (some may be due on Fridays), but all assignments except the first (Pre-semester Survey) and last (Post-semester Survey) will require extended work and **should be started as early as possible, no later than the week prior to the due date**, in order to have time to address any questions or issues. For all software assignments in this course, if you do not receive full credit for the software part (Part A), you may resubmit Part A before the deadline for Part B to receive half credit back for your corrections.

Course Project: Each student will individually perform a guided data analysis based upon two (hopefully linearly related) quantitative variables. These variables will then be categorized in two ways (2 levels, 3+ levels). The relationship between the two variables will be investigated using different combinations of variable types. This course project will be completed in 4 steps during the semester.

All assignments must be submitted via E-Learning by the exact due date and time. All work you submitted together with our comments can be reviewed by clicking Grades on the navigation panel in Canvas.

Grading

Requirement	% of final grade
Quizzes (14)	15%
Assignments (8)	40%
Software Assignments (4)	15%
Software Course Project (Steps 1, 2, 3)	15%
Course Project Step 4	15%

Final Grade	<60	[60,63)	[63,67)	[67,70)	[70,73)	[73,77)	[77,80)	[80,83)	[83,87)	[87,90)	[90,93)	[93,100]
Letter Grade	E	D-	D	D+	C-	C	C+	B-	B	B+	A-	A
Grade Points	0	.67	1.0	1.33	1.67	2.0	2.33	2.67	3.0	3.33	3.67	4.0

Please be aware that a C- is not an acceptable grade for graduate students. A grade of C counts toward a graduate degree only if an equal number of credits in courses numbered 5000 or higher have been earned with an A.

Grade Response Times

The time to receive your grade on assignments will vary depending on the type and length of the assignment. The instructor and TAs will always strive to return your graded work as soon as possible.

Policy Related to Make up Work

All work must be submitted via E-Learning by the exact due date and time. Late submissions within 1 day will result in a 10%-point deduction. Any missed work or assignments submitted more than 1 day late will receive a grade of ZERO unless arrangements have been made ahead of the due date with the instructor. Late submissions or make-ups are acceptable ONLY due to illness or other unanticipated circumstances warranting a medical excuse and resulting in the student missing an assignment deadline, consistent with college policy. Documentation from a health care provider is required. Please note: Any requests for make-ups due to technical issues MUST be accompanied by UF Computing help desk (<http://helpdesk.ufl.edu/>) correspondence. You MUST e-mail me within 24 hours if you wish to request a make-up.

Policy Related to Required Class Attendance

This is an online asynchronous course. "Attendance" means you are expected to go through the course materials, take notes, and pay attention to and post in the discussion boards. This is to be done at your own pace, but assignments and quizzes have scheduled deadlines to keep you on track. You are welcome to get ahead if you need flexibility in future weeks. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Excused absences must be consistent with university policies in the Graduate Catalog (<https://catalog.ufl.edu/graduate/regulations/#text>). Additional information can be found here: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

Expectations Regarding Course Behavior

It's critical to review the weekly page in Canvas and read all announcements carefully. Each week's materials will be clearly identified on the course E-learning site. Students are expected to work through the material as scheduled. It is very important to work through all content contained on this site as directed and ask questions about the material you do not understand. **Working through the content from start to finish is the best approach to achieve a high level of understanding and success in this course.** In addition, it is your responsibility to review the comments and feedback we give on your graded assignments.

Communication Guidelines

Questions about course material should be asked during office hours or posted on the course discussion boards in E-Learning. Questions about specific quiz questions or issues of a personal nature should be sent via the Canvas Inbox through E-Learning. For questions asked Monday-Thursday, we will try our best to respond within 24 hours. For questions asked Friday-Sunday, we will respond Monday or as soon as possible thereafter.

Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

"We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity."

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

<http://grads.ufl.edu/academics/handbook>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

ADVICE FROM DR. WANG

- **Time commitment.** All that I can ask is that you do your best with the provided materials and to ask when you need more direction or explanation. It is expected that you will spend approximately 10-12 hours per week on this course. Scheduling your time wisely and working efficiently will minimize the need for extra work in this course. Generally, I advise students to break this time up into blocks of 1-3 hours split over as many days of the week as possible given your schedule. Working on too much material in one sitting is more likely to cause frustration and does not allow for time for understanding to develop or for questions to be answered.

- **Learn to use the materials to your greatest advantage.** There is a lot of content, but if you understand the examples or if you have experience with certain topics, it may not be necessary to review all of the content we provide.
- **Ungraded activities.** The questions presented in the “Learn by Doing” and “Did I Get This” activities as well as the course worksheets are indicative of important questions and concepts that you will need to understand and are designed to teach as well as test your understanding. We encourage you to go through these as they are presented in the online textbook (for the “Learn by Doing” and “Did I Get This” activities) and the course E-learning page (for the worksheets). If you go through the content as directed, you will learn the skills you need to succeed in the course as well as build a foundation of statistical knowledge.
- **Learning is a process.** If you ever feel lost, please ask, but also understand that the course is building to a complete picture, and it’s sometimes hard to see how each topic is related until later in the semester when we tie everything together. Often, activities and worksheets are leading you to think about things that will be important later in the course while working on skills related to the current topic.
- **Software.** Watch the software tutorials carefully, especially if you find the software aspect challenging, and review our suggestions in the SPSS information section. Do not allow yourself to waste time working in the software. If you are having issues, let us know immediately and we will help as soon as possible. Try to make sure as much of your time as possible in the software is productive.
- **Stay on track.** Be sure to ask when you don’t understand and stay on track with the material. **Getting behind can be difficult to fix in any course, but especially an asynchronous one which is largely self-guided.** Let the instructor know as soon as possible if you feel you are falling behind.

SUPPORT SERVICES

Accommodations for Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting <https://disability.ufl.edu/students/get-started/>. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The **Counseling and Wellness Center** 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- **U Matter We Care** website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The **Student Health Care Center** at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from: Alachua County Crisis Center: (352) 264-6789 <http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>
- **University Police Department:** [Visit UF Police Department website](#) or call 352-392-1111 (or 9-1-1 for emergencies).

- **UF Health Shands Emergency Room / Trauma Center:** For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; [Visit the UF Health Emergency Room and Trauma Center website.](#)

BUT – Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

INCLUSIVE LEARNING ENVIRONMENT

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: www.multicultural.ufl.edu.

Weekly Topical Outline and Schedule of Assignments with Due Dates

Content to Study	Tuesday	Friday
Week 1	1/14	1/17
Unit 1A – EDA for One Variable	Quiz 1 – Syllabus Quiz Assignment 1 – Self-Assessment	Quiz 2 – EDA for One Variable SPSS Verification
Week 2	1/21	1/24
Unit 1B – EDA for Two Variables	Assignment 2A – EDA for One Variable (Software)	Quiz 3 – EDA for Two Variable
Week 3	1/28	1/31
Unit 2 – Producing Data	Assignment 2B – EDA for One Variable (Written)	Quiz 4 – Producing Data
Week 4	2/4	2/7
Unit 3A – Probability	Assignment 3A – Case CC and CQ (Software)	Quiz 5 – Probability
Week 5	2/11	2/14
Unit 3B – Discrete RVs	Assignment 3B – Case CC and Case CQ (Written)	Quiz 6 – Discrete RVs
Week 6	2/18	2/21
Unit 3B – Continuous RVs	Assignment 4 – Independent Events	Quiz 7 – Continuous RVs
Week 7	2/25	2/28
Unit 3B – Sampling Distributions	Assignment 5A – EDA for Two Variables (Software)	Quiz 8 – Sampling Distributions
Week 8	3/4	3/7
Unit 4A – Estimation	Course Project Step 1	Quiz 9 – Estimation

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Content to Study	Monday	Friday
Week 9	3/11	3/14
Unit 4A – Hypothesis Testing	Assignment 5B – EDA for Two Variables (Written)	Quiz 10 – Hypothesis Testing
Spring Break	Spring Break	Spring Break
Week 10	3/25	3/28
Unit 4B – Inference for Relationships (Case CQ)	Course Project Step 2: Output for Univariabes	Quiz 11 – Case CQ Part 1
Week 11	4/1	4/4
Unit 4B – Inference for Relationships (Case CQ)		Quiz 12 – Case CQ Part 2 Assignment 6 – Examples from Literature - Part 1
Week 12	4/8	4/11
Unit 4B – Inference for Relationships (Case CC)	Course Project Step 3: All Output	Quiz 13 – Case CC Assignment 6 – Examples from Literature – Part 2
Week 13	4/15	4/18
Unit 4B – Inference for Relationships (Case QQ)	Quiz 14 – Case QQ	Assignment 6 – Examples from Literature – Part 3
Week 14	4/22	4/25
Wrap up	Assignment 7 – Inference with Data	
Week 15	4/29	5/2
Final Week	Course Project Step 4 Assignment 8 – End of Semester Self- Assessment	

Disclaimer: The instructor reserves the right to modify this syllabus at her discretion.