



THE OHIO STATE UNIVERSITY

STATISTICS: 1450.02 (32810) INTRODUCTION TO THE PRACTICE OF STATISTICS SPRING 2021

Course Overview

Instructor and Office Hours

Laura Jones jones.5810@osu.edu

Virtual Hours via CarmenZoom

Passcode:

All scheduled virtual office hours will be posted on the Carmen homepage by the second week of class. Documenting office hour attendance will begin on **Tuesday, January 19**.

Additional appointments can be made if needed. If you would like to arrange a time to talk through Zoom, please reach out via email at least 24 hours in advance of the time you would like to meet.

Teaching Assistants

In addition to myself, we have 4 qualified individuals ready to assist in any way they can.

Vilizar Goshev (goshev.1@osu.edu)

Blue Webb (webb.855@osu.edu)

Christel Lee (lee.3026@osu.edu)

Hyoin An (an.355@osu.edu)

Course Description

Algebra-based introduction to data analysis, experimental design, sampling, probability, inference, and linear regression. The inference practices will involve confidence intervals and hypothesis tests for a population mean (both with sigma known and unknown) and a population proportion, the difference between 2 population means and 2 population proportions, paired data, and the Chi-square test of independence. Emphasis will be put on applications, statistical reasoning, and data analysis using statistical software. This 3-credit hour course expects all students to have completed a baccalaureate-level mathematics course.

Please note that the method of delivery is 100% online.

Your Support System

1450.02 Coordinator and Instructor Professor Jones keeps all STAT 1450.02 students abreast of updates and important developments with the course along with managing the overall course structure with instructional resources and lecture presentations.

Weekly announcements will be sent out via Carmen. It is very important that you stay up-to-date on their details.

Teaching Assistants This quartet of TAs will provide additional support to groups of students. They will evaluate the completion of weekly recitations activities and help facilitate course discussions.

Tutors The TAs and Professor Jones will provide support through online office hours which are posted on the Carmen homepage. In addition to this, the Math/Stat Learning Center (MSLC) will offer one-on-one assistance through CarmenZoom. More details can be found here: <https://mslc.osu.edu/online-tutoring>

The Statistics Department (Cockins 404) does keep a list of private tutors, if necessary.

Primary Course Goal:

- To develop skills in drawing conclusions and critically evaluating results based on data.

Course Objectives:

- To introduce you to correct data collection methods through random sampling, experimental design, and surveys.
- To enable you to use statistical tools for presentation and descriptions of data.
- To enable you to understand basic probability rules and sampling distributions as the foundation of inference.
- To enable you to analyze data through linear regression, confidence intervals, and hypothesis tests.
- To enable you to evaluate statistical procedures in the context of assumptions, biases, and extrapolation.

Course Learning Outcomes

This course satisfies the General Education requirement in Data Analysis.

By the end of this course, students should successfully be able to:

- Understand basic concepts of statistics and probability.
- Comprehend methods needed to analyze and critically evaluate statistical arguments.
- Recognize the importance of statistical ideas.

Professor Jones's Vision for Your Completion of STAT 1450.02

- You will become proficient in collecting, organizing, analyzing, and interpreting data
- You will become competent in the use of data analysis software.
- You will interpret findings and improve in your ability to justify your results.
- Your metacognition and desire to reflect upon what you have learned will be heightened.
- You will respond to a problem by: considering any relevant assumptions, analyzing, and effectively communicating your results.
- You will gain a greater appreciation for statistics (and the mathematics that underpins our work).
- You will complete the Data Analysis General Education (GE) requirement.

Personal Vision Statement and Commitment

<p>Personal <u>Vision Statement</u> for STAT 1450.02:</p> <p>By successfully completing STAT 1450.02 I will:</p> <ul style="list-style-type: none"> • • • 	<p>Personal <u>Commitment</u> to STAT 1450.02:</p> <p>To successfully complete STAT 1450.02, I must:</p> <ul style="list-style-type: none"> • • •
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Course Materials

Required Course Materials

The textbook and courseware for this course is being provided via CarmenBooks. Through CarmenBooks, students obtain publisher materials electronically through CarmenCanvas, saving them up to 80% per title. The fee for this material is included as part of tuition and is listed as CarmenBooks fee on your Statement of Account. In addition to cost-savings, materials provided through CarmenBooks are available immediately on or before the first day of class. There is no need to wait for financial aid or scholarship money to purchase your textbook.

Unless you choose to opt-out of the program, you do NOT need to purchase any materials for this course at the bookstore. For more information on the program or information on how to opt out, [please visit the CarmenBooks website](#).

CarmenBooks will include an ebook of the textbook (The Basic Practice of Statistics, 8th ed. by Moore, Notz, and Fligner) along with access to Sapling Plus (our online quiz and homework system). In addition to the ebook, if you would like a hard copy of the textbook, please visit the OSU Bookstore: <https://tinyurl.com/W21-STAT-145002-32810>

STUDENT REGISTRATION INSTRUCTIONS

- Log into STAT 1450.02 through Carmen.
- Click on “MacMillan Higher Education” in the left navigation panel.
- Click the Sapling Learning link (note: if you encounter an error message or blank screen, you will need to adjust your browser settings and/or disable pop-up blockers).
- Agree to Macmillan Learning terms of use and end user agreement.
- Click on any Sapling assignment link to launch the assignment. Follow the associated steps and continue to your assignment page.
- You are now enrolled in the course and can access future assignments through the links on your instructor's course page.
- To access your ebook click on the image of the cover on the right sidebar of your course site.
- **Need Help?** Our technical support team can be reached by phone, chat, or by email via the Student Support Community. To contact support please open a service request by filling out the webform:
<https://macmillan.force.com/macmillanlearning/s/contactsupport>

Required Supplemental Materials

JMP is the statistical software for this course. JMP is free.

Click on www.jmp.com/macmillan .

Enter SE146414253X as the 12-digit authorization code.

Proceed to download and install JMP-Student Edition.

OR

Request it through the university at <https://ocio.osu.edu/software/directory/slwin>

Highly Recommended Materials

Texas Instruments 84 (or higher) Graphing Calculator. Note that at least a basic calculator is required.

Course Technology

For help with your password, university e-mail, Carmen, or any other technology issues, questions, or requests, contact the OSU IT Service Desk. Standard support hours are available at <https://ocio.osu.edu/help/hours>, and support for urgent issues is available 24/7.

- **Self-Service and Chat support:** <http://ocio.osu.edu/selfservice>
- **Phone:** 614-688-HELP (4357)
- **Email:** 8help@osu.edu
- **TDD:** 614-688-8743

Baseline Technical Skills Necessary for Online Courses

- Successful students will possess basic computer and web-browsing skills
- Students will be familiar with navigating Carmen
- Students will need to be proficient with the MS Office Suite (in particular Word and PowerPoint)

Technology Skills Necessary for this Specific Course

- CarmenZoom text, audio, and video chat. If you need technical assistance, either call 614-688-HELP, or refer to the online instructions: <https://resourcecenter.odee.osu.edu/carmenzoom>
- Use of *Sapling Plus*, which you must purchase (see above). If you need technical assistance, either call tech support at 1-800-936-6899 or fill out the form located at <https://macmillan.force.com/macmillanlearning/s/contactsupport>

Necessary Equipment

- Computer: current Mac or PC
 - Mac minimum requirements for JMP: OSX 10.6 or later, 1GB RAM, 500MB free hard disk space
 - PC minimum requirements for JMP: Pentium 4 or higher, Windows XP or later (Home Basic Editions **not** supported), 1GB RAM, 500MB free hard disk space, and True (24bit+) color with resolution 1024x768 or greater
 - **Internet Browser: Chrome (the only compatible browser with Proctorio)**
- Robust high-speed internet connection
- Webcam: built-in or external webcam, fully installed
- Microphone: built-in laptop or tablet mic or external microphone
- [Microsoft Office 365 ProPlus](#) All Ohio State students are now eligible for free Microsoft Office 365 ProPlus through Microsoft's Student Advantage program. Each student can install Office on five PCs or Macs, five tablets (Windows, iPad® and Android™) and five phones.
 - Students are able to access Word, Excel, PowerPoint, Outlook and other programs, depending on platform. Users will also receive 1 TB of OneDrive for Business storage.
 - Office 365 is installed within your BuckeyeMail account. Full instructions for downloading and installation can be found <https://ocio.osu.edu/kb04733>.

Grading

Grades – The following is the **ONLY** credit that will be offered. Please refrain from asking for additional work as a means to boost your grade. This is unfair to offer to 1 student and is impractical to offer to the whole class.

Assignment or Category	Percentage
Exam 1 (Mon, February 22 nd , 6:00 pm – 7:00 pm through Carmen)	20%
Exam 2 (Mon, March 29 th , 6:00 pm – 7:00 pm through Carmen)	20%
Final Exam (Mon, April 26 th , 6:00 pm – 8:00 pm through Carmen)	25%
Quizzes (7 total, 1.67% each, 1 is dropped)	10%
Homework Assignments (11 total, 1.67% each, 2 are dropped)	15%
Participation in Virtual Learning Environment (3% Virtual Office Hours, 2% Checkpoints, and 5% Recitation Activities)	10%
Extra Credit – LearningCurve via Sapling (+0.105% for each Chapter # LearningCurve completed in Sapling with a 100%)	2%
Total	102

Recitation Activities: Weekly recitation activities (**due Sundays**) are your first attempt at the material and therefore are **graded based upon completion and good faith effort**. Do your best while working through them. It is an opportunity to begin to think through the material, and you should always check your answers with the solutions. Since they typically cover the previous week's material, **it is recommended that you start them at the beginning of the week**.

Homework Assignments: Weekly homework assignments (**due Fridays**) are a chance for you to further explore the material, so they have **unlimited attempts**. As long as you do not give up on the problem, you can **attempt it as many times as you would like without penalty**.

Quizzes: Quizzes (**due roughly every other Monday**) have 1 attempt per question with a 1 hour and 30 minute time limit. You can reference your notes, the textbook, or any other Sapling resources. Unlike homework assignments, you should feel confident with the material before taking the quiz.

Checkpoints: Checkpoints will be strategically placed at the end of lecture content. They serve as knowledge checks to ensure you are following along with the material. They are **graded mostly on completion, but a component will be dedicated to your accuracy.**

Office Hours: There is the expectation that you will **attend a virtual office hour session each week.** Each session lasts for 30 minutes. Virtual sessions through CarmenZoom will begin by addressing your questions, and then any remaining time will be used to work through examples.

Late Submissions: **NO LATE WORK IS ACCEPTED.** *For extenuating circumstances, please contact Professor Jones (jones.5810@osu.edu) **BEFORE** the assignment deadline. To compensate for this, multiple dropped assignments are worked into the system. They include: the lowest 2 homework assignments, the lowest quiz score, the lowest 2 recitation scores (1 for each half of the semester), 2 weeks of office hours (1 for each half of the semester).*

The exact due dates for the above assignments are on the course calendar that is included at the end of this document and on the Carmen Homepage.

Exams

All 3 course exams must be taken through Carmen with Proctorio enabled. For Proctorio to be fully operational, you will need a PC or Mac (no iPads) along with a webcam and microphone. It will require you to enable your webcam so that a picture can be taken of your ID and a sweep of the room can be performed. You and your screen will be recorded throughout the exam process. Any opened tabs will be closed, and no new ones will be allowed to be opened. No re-entry is allowed which means that the test must be taken in one sitting. You will also **need to use the Chrome browser with the Chrome extension downloaded** (found at getproctorio.com). To ensure your device is properly set-up, Proctorio examples will be provided before each scheduled exam.

If you have a direct conflict with an exam or Proctorio issues that cannot be resolved, you must contact Professor Jones **at least 1 week in advance of the scheduled exam time.** Requests received after this may receive a grade deduction.

The format of all 3 exams will be multiple choice and fill-in-the blank followed by short answer questions. To receive full credit, you must show appropriate work on the short answer questions including calculator functions and inputs. Make-up exams will only be offered to those with extenuating circumstances if requests are received in a timely manner.

Course Registration and Completion

Students should work with department staff on any ADD and SECTION changes. Students should contact Jean Scott (Cockins Hall 408A jscott@stat.osu.edu).

Date	Event
Friday, January 15 th	The last day to add the course without instructor's permission.
Friday, January 22 nd	The last day to add a Full Semester course without petitioning.

Please note that students who are dropped for non-payment are not guaranteed re-enrollment.

Friday, January 22nd The last day to drop without a 'W' appearing on your record.

FYI, Incompletes will only be awarded when 70% of the coursework has been completed.

Grading Scale

93–100: A
90–92.9: A-
87–89.9: B+
83–86.9: B
80–82.9: B-
77–79.9: C+
73–76.9: C
70–72.9: C-
67–69.9: D+
60–66.9: D
Below 60: E

Faculty Response

Instructor Feedback and Response Time

Grading and Feedback

Exam grades will be available within **7 days**.

E-mail

All course e-mail correspondence must be done through a valid OSU name.# account. Expect a 24-hour response time when communicating with TAs and Professor Jones (jones.5810@osu.edu). We are here to support you, but just not quite in a true “on-demand” sense.

Attendance and Participation

Course Delivery

Each week several lecture presentations will be posted in the “Modules” tab of the Carmen website. You are responsible for viewing the lectures and studying the material that is assigned each week. In addition to the lecture content, weekly assignments will be posted. You will be given ample time to complete the assignments.

The vast majority of the course can be completed asynchronously, meaning that you will be able to study materials and work on assessments according to your own schedule. To be successful in this course, I highly recommend that you develop your own schedule and stick to it. Live CarmenZoom office hour meetings will also regularly take place. The dates and times of these will be posted on the Carmen homepage.

The curriculum for this course has been primarily sub-divided into chapters. Each chapter will consist of Guided Notes, PowerPoints with recorded explanations, examples, and practice exercises. This quartet of resources replace common components of the lecture-recitation classroom-based learning experience. These resources even transcend traditional instruction since (for example) learning can occur both asynchronously (any time and any place) and in an “on-demand” capacity (i.e., the **PowerPoint lectures give you flexibility; you can choose to play the slideshow from the beginning, view the slides individually and listen to the recordings where needed, and scroll back and forth through the slides at your own pace**).

Just like with any tool, its value is not maximized when its usage is minimized. I encourage my students in traditional sections to attend class. Similarly, I expect you to access the resources at the beginning of each week. The topics within each chapter are further divided into discrete sections with succinct presentations.

This course is designed with the needs of distance learners in mind. The course content, instructional support services, weekly assessments, and communication with instructors can all occur online.

Student Participation Requirements

Because this is a distance-education course, your attendance is based on your online activity and participation. The following is a summary of everyone's expected participation:

- **Logging in: AT LEAST TWICE PER WEEK**
Be sure you are logging into the course in Carmen each week, including weeks with holidays or weeks with minimal online course activity. (During most weeks you will probably log in many times.) If you have a situation that might cause you to miss an entire week of class, discuss it with me *as soon as possible*.
- **Office hours: REQUIRED**
Attending a virtual office hour each week is required. (Note that the weeks will run Monday through Sunday.) The TAs and I will provide an array of times to accommodate you. Office hours will begin Tuesday, January 19 which is also when we will begin documenting attendance.
- **Strategically Placed Checkpoints: REQUIRED AND COMPLETE THEM AS THEY APPEAR**
Each cluster of topics has a corresponding set of questions pertaining to the material presented. These items provide short, quick reviews of key concepts presented in the lectures. Completion and accuracy of your answers also counts towards 2% of the overall 10% of Participation in Virtual Learning.

Other Course Policies and Resources

Accommodations for Extenuating Circumstances

Opportunities to Complete Assessments Beyond Initial Due Dates

The established windows of availability provide ample opportunity for administration and submission of all assessments. The inability to take any assessment must be supported with legitimate 3rd party documentation and the **request must be received before a deadline passes**.

Grade Appeals

The TA and I will be fair in evaluating your work. If you believe there is a discrepancy, then please describe the situation in writing and submit to both of us for review.

Student Responsibility

You are responsible for your learning. Distance courses afford flexibility in how you learn, but it is critical that you manage your time and invest a minimum of 9 hours weekly in this course. Please seek assistance in managing any non-academic responsibilities prior to any potential for under-performance.

Successful students perform a variety of positive academic behaviors like: reviewing Carmen twice a week, reviewing the weekly learning units the first half of each week, and completing all homework assignments, recitations, and quizzes during the second half of each week.

Academic Integrity Policy

Policies for this Online Course

- **Quizzes and exams:** You must complete the 3 exams yourself, without any external help or communication. Biweekly quizzes should also be completed on your own, but you do have the option to reference our course materials.
- **Homework, recitations, and checkpoints:** For these assignments, feel free to discuss ideas with others but make sure you are turning in your own work.

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

The Ohio State University’s *Code of Student Conduct* (Section 3335-23-04) defines academic misconduct as: “Any activity that tends to compromise the academic integrity of the University, or subvert the educational process.” Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University’s *Code of Student Conduct* is never considered an “excuse” for academic misconduct,

so I recommend that you review the *Code of Student Conduct* and, specifically, the sections dealing with academic misconduct. <http://studentlife.osu.edu/csc/>.

If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's *Code of Student Conduct* (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University. In short, if you are considering doing something that might be unethical, then resist and refrain from pursuing it. This will help you in college and well-beyond.

If you have any questions about the above policy or what constitutes academic misconduct in this course, please contact me. Other sources of information on academic misconduct (integrity) to which you can refer include:

- The Committee on Academic Misconduct web pages ([COAM Home](#))
- *Ten Suggestions for Preserving Academic Integrity* ([Ten Suggestions](#))
- *Eight Cardinal Rules of Academic Integrity* (www.northwestern.edu/uacc/8cards.htm)

Copyright Disclaimer

The materials used in connection with this course may be subject to copyright protection and are only for the use of students officially enrolled in the course for the educational purposes associated with the course. Copyright law must be considered before copying, retaining, or disseminating materials outside of the course.

Accessibility Accommodations for Students with Disabilities

The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university's [request process](#), managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Accessibility of Course Technology

This online course requires use of Carmen (Ohio State's learning management system) and other online communication and multimedia tools. If you need additional services to use these technologies, please request accommodations with me.

- Carmen Canvas
- Streaming audio and video
- Synchronous course tools

Student Academic Services

Student academic services offered on the OSU main campus:

<http://advising.osu.edu/welcome.shtml>.

Student Support Services

Student support services offered on the OSU main campus: <http://ssc.osu.edu>.

Other Student Resources

Mental Health

As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing. If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling [614-292-5766](tel:614-292-5766). CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at [614-292-5766](tel:614-292-5766) and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273-TALK or at suicidepreventionlifeline.org.

Statement on Title IX

Title IX makes it clear that *violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories (e.g., race)*. If you or someone you know has been sexually harassed or assaulted, you may find the appropriate resources at <http://titleix.osu.edu> or by contacting the Ohio State Title IX Coordinator, Kellie Brennan, at titleix@osu.edu

Diversity

The Ohio State University affirms the importance and value of **diversity** in the student body. *Our programs and curricula reflect our multicultural society and global economy and seek to*

provide opportunities for students to learn more about persons who are different from them. We are committed to maintaining a community that recognizes and values the inherent worth and dignity of every person; fosters sensitivity, understanding, and mutual respect among each member of our community; and encourages each individual to strive to reach his or her own potential. Discrimination against any individual based upon protected status, which is defined as age, color, disability, gender identity or expression, national origin, race, religion, sex, sexual orientation, or veteran status, is prohibited.

COVID Health and Safety Requirements

All students, faculty, and staff are required to comply with and stay up-to-date on all university safety and health guidance (<https://safeandhealthy.osu.edu>), which includes wearing a face mask in any indoor space and maintaining a safe physical distance at all times. Students are to complete daily health checks and to self-isolate if running a fever or are symptomatic in other ways. Non-compliance will be warned first and disciplinary actions will be taken for repeated offenses.

The Ohio State University Wexner Medical Center’s Coronavirus Outbreak site (<https://wexnermedical.osu.edu/features/coronavirus>) includes the latest information about COVID-19 as well as guidance for students, faculty and staff.

Disclaimer

This syllabus should be taken as a reliable guide for the course content. However, you cannot claim any rights from it and in particular we reserve the right to change due dates or the methods of grading and/or assessment if necessary. Any changes will be communicated to you through official course announcements.

Major Monday Assessments

	Date and Time	Location	Assessment
Monday, Feb 22 nd	6:00 pm – 7:00 pm	Remotely	Exam 1
Monday, March 29 th	6:00 pm – 7:00 pm	Remotely	Exam 2
Monday, April 26 th	6:00 pm – 8:00 pm	Remotely	Final Exam

Course Schedule

Week	Dates	Content	Assignments
1	Mon 1/11 – Sun 1/17	Chapters 1 & 2	Recitation 1 Due Sun 1/17
2	Tues 1/19 – Sun 1/24	Chapter 3	HW 1 Due Fri 1/22 Recitation 2 Due Sun 1/24 Quiz 1 Due Mon 1/25
3	Mon 1/25 - Sun 1/31	Chapters 4 & 5	HW 2 Due Fri 1/29 Recitation 3 Due Sun 1/31
4	Mon 2/1 – Sun 2/7	Chapter 6	HW 3 Due Fri 2/5 Recitation 4 Due Sun 2/7 Quiz 2 Due Mon 2/8
5	Mon 2/8 – Sun 2/14	Chapters 8 & 9	HW 4 Due Fri 2/12 Recitation 5 Due Sun 2/14 Quiz 3 Due Mon 2/15
6	Mon 2/15 – Sun 2/21	Chapter 12	Recitation 6 Due Fri 2/19 Checkpoints for Chs 1-6,8,9 Due Sun 2/21 Exam 1 Review <i>Covering Chapters 1-6, 8, & 9 on Sunday, February, 21 at 7 pm via Zoom</i>
7	Mon 2/22 – Sun 2/28	Midterm Chapter 13	Exam on Mon 2/22 at 6 pm (Chs 1-6,8,9) Break 2/23 – 2/24 HW 5 Due Mon 3/1 Recitation 7 Due Mon 3/1
8	Mon 3/1 – Sun 3/7	Chapter 15	HW 6 Due Fri 3/5 Recitation 8 Due Sun 3/7 Quiz 4 Due Mon 3/8

9	Mon 3/8 – Sun 3/14	Chapters 16 & 17	<p>HW 7 Due Fri 3/12</p> <p>Recitation 9 Due Sun 3/14</p>
10	Mon 3/15 – Sun 3/21	Chapters 18 & 20	<p>HW 8 Due Fri 3/19</p> <p>Recitation 10 Due Sun 3/21</p> <p>Quiz 5 Due Mon 3/22</p>
11	Mon 3/22 – Sun 3/28	Chapter 21	<p>Recitation 11 Due Fri 3/26</p> <p>Checkpoints for Chs.12,13,15-18, 20 Due Sun 3/28</p> <p>Exam 2 Review <i>Covering Chapters 12,13,15-18, 20 on Sunday, March 28 at 7 pm via Zoom</i></p>
12	Mon 3/29 – Sun 4/4	<p>Midterm</p> <p>Chapter 22</p>	<p>Exam on Mon 3/29 at 6 pm (Chs 12,13,15-18, 20)</p> <p>Break 3/31 – 4/1</p> <p>HW 9 Due Mon 4/5</p> <p>Recitation 12 Due Mon 4/5</p>
13	Mon 4/5 – Sun 4/11	Chapter 23	<p>HW 10 Due Fri 4/9</p> <p>Recitation 13 Due Sun 4/11</p> <p>Quiz 6 Due Mon 4/12</p>

14-15	Mon 4/12 – Sun 4/25	Chapter 25	<p>Recitation 14 Due Mon 4/19</p> <p>HW 11 Due Wed 4/21</p> <p>Quiz 7 Due Fri 4/23</p> <p>Checkpoints for Chs. 21-23,25 Due Sun 4/25</p> <p>Final Exam Review – <i>Sunday, April 25 at 7 pm via Zoom</i></p> <p>LearningCurve Extra Credit Due Sun 4/25</p>
Finals Week	Monday 4/26	Final Exam at 6 pm	Enjoy your break!