THE OHIO STATE UNIVERSITY

STATISTICS: 1450.01 (24282)
INTRODUCTION TO THE PRACTICE OF STATISTICS
AUTUMN 2023

Course Overview
Instructor & Office Hours
Professor Keith Rodgers   Email - Rodgers.277@osu.edu

Tuesdays and Thursdays 9 am – 10 am in Cockins 212B

Although office hours are scheduled for in-person, requests for them to be held virtually via Zoom will be honored as long as requests are received at least 24 hours in advance of the scheduled time.

Coordinator of STAT 1450.01 & Office Hours
Professor Laura Jones   Email – jones.5810@osu.edu

* Please do not send emails to jones.5810@buckeyemail.osu.edu. It will be sent to my student account and may result in a delayed response. In the subject line of your email, please include STAT 1450.01 and the section number, 24282.

Mondays 1:30 pm – 2:30 pm via Zoom
Fridays 1:30 pm – 2:30 pm via Zoom

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

Meeting Days/Times
Lecture: T/TH 8:00 am – 8:55 am in EA 170
Recitation: Friday at either 8:00 am, 9:10 am, or 10:20 am in either EA 265 or 285
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.

Your Support System

1450.01 Coordinator Professor Jones keeps all STAT 1450.01 students abreast of updates and important developments with the course along with managing the overall course structure with instructional resources and lecture presentations.

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

Instructor Provides the overarching view of the concepts

Teaching Assistants The TAs will use weekly recitations to reinforce and extend content knowledge covered in lecture. Students are expected to be active participants in these sessions.

Tutors The TAs, instructor, and Professor Jones will provide support through office hours. Although you are assigned a specific TA for recitation, you are welcome to attend any of the scheduled office hours for STAT 1450.01. **Once the schedule is finalized, all office hour offerings will be posted on the Carmen homepage.**

The Statistics Department (Cockins 404) does keep a list of private tutors if necessary. Students currently enrolled in a statistics course offered by the Ohio State Department of Statistics may contact Jean Scott, Statistics Program Coordinator, about hiring a private tutor. She can be reached at 614-688-5913 or scott.961@osu.edu.

Course Goals and Learning Outcomes

This course satisfies the General Education foundation requirement in *Mathematical and Quantitative Reasoning or Data Analysis* which has the following goals and expected learning outcomes:

Goals: Successful students will be able to apply quantitative or logical reasoning and/or mathematical/ statistical methods to understand and solve problems and will be able to communicate their results.

Expected Learning Outcomes (ELOs): Successful students are able to:

1.1 Use logical, mathematical and/or statistical concepts and methods to represent real-world situations.

1.2 Use diverse logical, mathematical and/or statistical approaches, technologies and tools to communicate about data symbolically, visually, numerically and verbally.

1.3 Draw appropriate inferences from data based on quantitative analysis and/or logical reasoning.

1.4 Make and evaluate important assumptions in estimation, modeling, logical argumentation and/or data analysis.

1.5 Evaluate social and ethical implications in mathematical and quantitative reasoning.

This course also satisfies the Legacy General Education requirement in *Data Analysis*. which has the following goals and expected learning outcomes:

Goals: Students develop skills in drawing conclusions and critically evaluating results based on data.

Expected Learning Outcomes:

1. Students understand basic concepts of statistics and probability.

2. Students comprehend methods needed to analyze and critically evaluate statistical arguments.

3. Students recognize the importance of statistical ideas.

Professor Jones's Vision for Your Completion of STAT 1450.01

- 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 & Commitment

Personal **Vision Statement** for STAT 1450.01:	Personal **Commitment** to STAT 1450.01:
By successfully completing STAT 1450.01, I will: • • •	To successfully complete STAT 1450.01, I must: • • •

Required Course Materials

Textbook and Online System

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 our 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 website)*.*

CarmenBooks will include an e-book of the textbook (The Basic Practice of Statistics, 9th ed. by Moore, Notz, and Fligner) along with access to Achieve (our online quiz and homework system). In addition to the e-book, if you would like a hard copy of the textbook, please visit the OSU Bookstore: https://tinyurl.com/Wa-STAT-145002-32810

STUDENT REGISTRATION INSTRUCTIONS
- Log into STAT 1450.01 through Carmen.
- Click on "MacMillan Higher Education" in the left navigation panel.
- Click the Achieve 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 Achieve 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 Carmen links.
- To access your e-book, select the down arrow next to your name in the upper right corner.
- **Need Help?** The 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

Recitation Device

For your weekly recitation, you <u>must bring a device</u> that is compatible with the JMP software (see necessary equipment under course technology below) in order to complete the assigned activity. Within 10 minutes of the conclusion of the session, you must submit the activity online via Carmen.

Top Hat

We will use the *Top Hat* software to elicit student responses during lectures. Students will use their smart phones to text responses to questions posed. You may download the Top Hat app or use the direct link below. Your username must be your name.# (e.g., carter.5).

<u>Top Hat course name:</u> **STAT 1450.01 AU 23 Morning**
Direct Link: https://app.tophat.com/e/662566   **6-digit join code: 662566**

JMP

JMP is the statistical software for this course. JMP is free via the following:

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

OR

Click on www.jmp.com/macmillan.
Enter F1319244378MOORE as the authorization code.
Proceed to download and install JMP-Student Edition.

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

Technology Skills Necessary for this Specific Course

- CarmenZoom text, audio, webcam, and screen share. If you need technical assistance, either call 614-688-HELP, or refer to the online instructions: https://resourcecenter.odee.osu.edu/carmenzoom
- Use of *Achieve,* 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: Mac or PC
  - For specific system requirements, please see https://www.jmp.com/en_us/support/system-requirements.html
- Internet Browser: Chrome
- 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 eligible for free Microsoft Office 365 ProPlus through Microsoft's Student Advantage program. Office 365 is installed within your BuckeyeMail account. Full instructions for downloading and installation can be found https://ocio.osu.edu/kb04733.
- **All Ohio State students now have access to Adobe Creative Cloud as part of the university suite of tech tools and programs.**

Grading

Grades – **The following is the ONLY credit that will be offered. Please refrain from asking for additional work 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, October 2nd, 6:00 pm – 7:00 pm through CarmenZoom)	**21%**
Exam 2 (Mon, November 6th, 6:00 pm – 7:00 pm through CarmenZoom)	**21%**
Final Exam (Mon, December 11th, 6:00 pm – 8:00 pm through CarmenZoom)	**21%**
Participation in Learning Environment (5% Recitation Activities, 1% Recitation Surveys, and 5% Lecture Participation)	**11%**
Homework Assignments (11 total, 1.67% each, 2 are dropped)	**15%**
Quizzes (7 total, 1.83% each, 1 is dropped)	**11%**
Extra Credit – LearningCurve via Achieve (+0.105% for each Chapter # LearningCurve completed by meeting the target score)	**2%**
Total	**102**

Recitation Activities: Weekly recitation activities **(due on Fridays)** 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 in a group setting. **They will be due at the conclusion of your scheduled recitation time via Carmen, but note that you will ONLY earn credit if you attend and submit the activity.**

Recitation Surveys: For each recitation activity, there will be a corresponding participation survey. These surveys are meant to gauge your comfortability with the content and the effectiveness of your group work. **They will be due by 11:59 pm the day after your scheduled recitation.**

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 Mondays)** have **1 attempt per question with a 1 hour and 30-minute time limit.** You can reference your notes, the textbook, or any other Achieve resources. Unlike homework assignments, you should feel confident with the material before taking the quiz.

Late Submissions: <u>NO LATE WORK IS ACCEPTED</u>. For extenuating circumstances, please contact Professor Jones (<u>jones.5810@osu.edu</u>) <u>BEFORE</u> the assignment deadline. If a request for an extension is received after 5 pm on the assignment due date, it will be considered one of your dropped assignments.

Multiple dropped assignments are worked into the system. They include: the lowest 2 homework assignments, the lowest quiz score, and the lowest 2 recitation scores 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 course exams will be taken through Carmen, and they will be proctored via CarmenZoom. The requirements for the duration of the exam will be to:
- Use the Chrome browser
- Share your webcam
- Share your screen

At least a week prior to the scheduled exam, you will be provided with a CarmenZoom meeting link and passcode. Please do not share this information will other students since their assigned meeting space may be different.

Please enter the CarmenZoom meeting space by 5:40 pm so that the proctor has time to place each student in a breakout room. Once you enter your breakout room, you should enable your webcam and begin to screenshare. Arriving on time and being fully set-up will ensure the exam can start promptly at 6 pm. After the proctor checks everyone in, an access code will be broadcasted that will allow you to begin the exam in Carmen.

Students may request alternative means of taking the exams at an approved proctoring center like the OSU Testing Center. Other approved centers can be found here: https://www.ncta-testing.org/proctoring-network. Choosing to proceed with the CarmenZoom option implies the student consents to having his or her exam environment viewed and recorded. If a student is concerned about this, s/he also has the option to reserve a test taking room on campus. More information about reserving a room can be found here: http://library.osu.edu/group-study-rooms-for-ohio-state-students-faculty-and-staff.

All conflicts with exams, including requesting an alternative proctoring option, must be directed to Professor Jones **at least 1 week in advance of the scheduled exam time.** Requests received after this may not be honored or may receive a grade deduction.

The format of all exams may include multiple choice, fill-in-the blank, and short answer questions. To receive full credit on the short answer questions, you must show appropriate work including formulas and graphing calculator functions with inputs.

Exam 1: The duration of the exam will be 1 hour. It will cover Chapters 1-6, 8, and 9.
Exam 2: The duration of the exam will be 1 hour. It will cover Chapters 12, 13, 15-18, and 20.
Final Exam: The duration of the exam will be 2 hours. It will be cumulative, but there will be an emphasis on the content you have not been tested on (ie Chapters 21-23, and 25).

Make-up exams will only be offered to those with extenuating circumstances if requests are received in a timely manner. **The exam must be taken within 3 days of the scheduled exam date.**

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, August 25th	The last day to add a course without instructor's permission.
Friday, August 25th	The last day to drop a class and receive a full refund.
	Please note that students who are dropped for non-payment are not guaranteed re-enrollment.
Friday, September 15th	The last day to drop without a 'W' appearing on your record.
Friday, September 15th	The last day to register for pass/non-pass or audit options.

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 Monday – Friday when communicating with the TAs, instructor, and Professor Jones (jones.5810@osu.edu). We are here to support you, but just not quite in a true "on-demand" sense.

Additional Policies, Resources, & Information

Student Participation and Responsibility

We expect you to be actively engaged in the learning process. You are responsible for your learning. Schedule a minimum of 6 hours to prepare for this course. This equates to 9 hours weekly when the 3 hours for lecture and recitation attendance are included. Successful students perform a variety of positive academic behaviors like: referencing the Carmen page, downloading notes, reviewing notes before recitation, being proactive in contacting a TA or classmate as necessary, etc... Please seek assistance in managing any non-academic responsibilities prior to any potential for under-performance.

Electronic Devices

As a courtesy to fellow classmates, all cellular phones and other electronic devices must be silenced during lectures and recitations. Your engagement with the class will require an attentiveness for notetaking. If necessary, TAs and instructors can request that students place these devices out of plain view if their usage is deemed irrelevant to instruction.

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 5 pm on the assignment due date.**

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 it to both of us for review.

Accessibility Accommodations for Students with Disabilities

The university strives to maintain a healthy and accessible environment to support student learning in and out of the classroom. 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.

If you are isolating while waiting for a COVID-19 test result, please let me know immediately. Those testing positive for COVID-19 should refer to the [Safe and Healthy Buckeyes site](#) for resources. Beyond five days of the required COVID-19 isolation period, I may rely on Student Life Disability Services to establish further reasonable accommodations. You can connect with them at slds@osu.edu; 614-292-3307; or [slds.osu.edu](#).

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

Religious Accommodations

It is Ohio State's policy to reasonably accommodate the sincerely held religious beliefs and practices of all students. The policy permits a student to be absent for up to three days each academic semester for reasons of faith or religious or spiritual belief.

Students planning to use religious beliefs or practices accommodations for course requirements must inform the instructor in writing no later than 14 days after the course begins. The

instructor is then responsible for scheduling an alternative time and date for the course requirement, which may be before or after the original time and date of the course requirement. These alternative accommodations will remain confidential. It is the student's responsibility to ensure that all course assignments are completed. For more information about religious accommodations at Ohio State, visit odi.osu.edu/religious-accommodations.

Academic Integrity Policy

Policies for this Course

- **Quizzes and exams**: You must complete the exams yourself, without any external help or communication. Quizzes should also be completed on your own, but you do have the option to reference our course materials.
- **Homework and recitations**: 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

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. 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 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).

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.

Weather or Other Short-term Closures

Should in-person classes be canceled, you will be notified as to which alternative methods of teaching will be offered to ensure continuity of instruction for this class. Communication will be administered via Carmen announcements.

Copyright Policy

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. Therefore, you are NOT permitted to copy, retain, or disseminate course materials online or to any individual.

Disclaimer

This syllabus should be taken as a reliable guide for the course content. However, you cannot claim any rights from it, and 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.

Autumn 2023 STAT 1450.01 Calendar

Date & Time		Location	Assessment
Monday, October 2nd	6:00 pm – 7:00 pm	CarmenZoom	Exam 1
Monday, November 6th	6:00 pm – 7:00 pm	CarmenZoom	Exam 2
Monday, December 11th	6:00 pm – 8:00 pm	CarmenZoom	Final Exam

Tuesdays	*Thursdays*

August 22
    Ch.1 Picturing Distributions with Graphs
	August 24
	    Ch. 2 Describing Distributions with Numbers
	    (thru 2.4)

August 29
    Ch. 2 Describing Distributions with Numbers
	August 31 **HW 1 Due F 9/1** **Qz 1 Due T 9/5**
	    Ch. 3 The Normal Distribution (thru 3.4)

September 5
    Ch. 3 The Normal Distribution
	September 7 **HW 2 Due F 9/8**
	    Ch. 4 Scatterplots & Correlation

September 12
    Ch. 5 Regression (thru 5.2)
	September 14 **HW 3 Due F 9/15 Qz 2 Due M 9/18**
	    Ch. 5 Regression

September 19
    Ch. 6 Two-Way Tables
	September 21 **HW 4 Due F 9/22 Qz 3 Due M 9/25**
	    Ch. 8 Producing Data: Sampling

September 26
    Ch. 9 Producing Data: Experiments
	September 28 **HW 5 Due F 9/29**
	    Ch. 12 Introducing Probability
	Exam 1 Review *Covering Chapters 1-6, 8, & 9* (**held outside of class**)

October 3
    Ch. 13 General Rules of Probability
	October 5
	    Ch. 13 General Rules of Probability

October 10
    Ch.15 Sampling Distributions
	October 12 **HW 6 Due M 10/16 Qz 4 Due T 10/17**
	    Fall Break – No Lecture

October 17
    Ch. 16 Confidence Intervals: The Basics (thru16.2)
	October 19 **HW 7 Due F 10/20**
	    Ch. 16 Confidence Intervals: The Basics
	    Ch. 17 Tests of Significance: The Basics (thru 17.2)

October 24
    Ch. 17 Tests of Significance: The Basics
    Ch.18: Inference in Practice
	October 26 **HW 8 Due F 10/27 Qz 5 Due M 10/30**
	    Ch. 20 Inference about a Population Mean (thru 20.4)

October 31
    Ch. 20 Inference about a Population Mean
	November 2 **HW 9 Due F 11/3**
	    Ch. 21 Two Means (thru 21.3)
	Exam 2 Review *Covering Chapters 12,13,15,16-20* (**held outside of class**)

November 7
    Ch. 21 Two Means
	November 9
	    Ch.22 Inference about a Pop. Proportion (thru 22.3)

November 14
    Ch.22 Inference about a Pop. Proportion
	November 16 **HW 10 Due F 11/17 Qz 6 Due M 11/20**
	    Ch. 23 Comparing Two Proportions (thru 23.3)

November 21
    Ch. 23 Comparing Two Proportions
	November 23
	    Thanksgiving Day – No Lecture

November 28
    Ch. 25 Two Categorical Variables (thru 25.3)
	November 30
	    Ch. 25 Two Categorical Variables

December 5 Review for a cumulative final exam	**HW 11 Due T 12/5** **Qz 7 Due W 12/6** **LearningCurve Activities Due Sun 12/10** **Final Exam Review – TBD** **Final Exam – Mon, Dec 11th at 6 pm**

*Homework assignments are typically due on Fridays and quizzes on Mondays. All 3 course exams take place on a Monday with a start time of 6 pm. Review sessions will be held outside of class time.