South Plains College
Common Course Syllabus: MATH 1342
Revised December 2022

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 1342

Course Title: Statistical Methods

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Lubbock Downtown Center, Plainview Center, and Dual Credit

Course Description: Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing.

Prerequisite: Minimum score of 350 on the TSIA1, minimum score of 950 on the TSIA2, a diagnostic score of 6 on the TSIA2, TSI-exempt status, a successful completion with a grade of 'C' or better in MATH 0337, or successful completion of NCBM-0112.

Credit: 3 **Lecture:** 3 **Lab:** 0

Textbook (Optional): *Elementary Statistics: Picturing the World*, Farber and Larson, 2019, 7th Edition, Pearson. ISBN-13: 9780134683416.

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement: Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Explain the use of data collection and statistics as tools to reach reasonable conclusions. (CH 1, 2, 4-9)
2. Recognize, examine and interpret the basic principles of describing and presenting data. (CH 2)

3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics. (CH 3-5, 7-9)
4. Explain the role of probability in statistics. (CH 3-5, 7-9)
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables. (CH 4, 5)
6. Describe and compute confidence intervals. (CH 6, 8)
7. Solve linear regression and correlation problems. (CH 9)
8. Perform hypothesis testing using statistical methods. (CH 7, CH 8, 9.1)

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. For the purposes of this class, you are allowed to miss 19 assignments. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student can not receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

Penalties for academic integrity violations will range from a 50% to a 100% grade reduction, depending on the severity of the infraction.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior**.** Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: https://www.southplainscollege.edu/syllabusstatements/.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: https://www.southplainscollege.edu/emergency/covid19-faq.php.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store.

If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match.

The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by* Amazon, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs.

A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund.

Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.

Course Information Sheet - MATH 1342.604 – Fall 2022

Instructor: Denise Johansen **Office:** LBK Downtown B020; (806)716-4632

Cell/Text: (513)227-0095 **Email:** djohansen@southplainscollege.edu

Time/Place: Mondays AND Wednesdays, 1pm-2:15pm, Lubbock Downtown Center B003

Lubbock Downtown Center Office Hours: M 2:30-3:30pm, T 1-2pm and 5-5:30pm, W 2:30-3:30pm and 5-5:30pm, Th 1-2pm, most Fridays 9-11am.
Live (Zoom) Q&A: Thursdays 8-9pm (https://southplainscollege.zoom.us/j/97024306876)
By appointment: Schedule virtual office hours using https://go.oncehub.com/djohansen

Physical Textbook (Optional): *Elementary Statistics: Picturing the World*, Farber and Larson, 2019, 7th Edition, Pearson. ISBN-13: 9780134683416.

Supplies (Required):

- Calculator: I HIGHLY recommend a graphing calculator with statistics package; TI-83/84 are preferred, but other models will work. For other models, you will have to read your manual or look online to learn how the various statistics commands work. NOTE: You may NOT use Excel, a calculator program on your phone, and NOT a TI-89 nor TI-Nspire.
- MyStatLab access code: The cost of this will be added to the regular tuition and fees for the class through the TexBook program. More information on this can be found below. MyStatLab includes access to the electronic version of your textbook and most of your assignments.

TexBook Program: ***This course is in the SPC TexBook program, so you do not need to purchase a textbook or access code for this course.***

- **What is TexBook?** The required textbook/digital content for this course is available to you in Blackboard from the first day of class. The charge for the textbook/digital content is the lowest price available from the publisher and bookstore and is included in your tuition.
- **How do I access my TexBook?** Your course material is in your Blackboard course from the first day of class. Access to your course material is provided either by VitalSource or other links inside your Blackboard course. VitalSource (and many publisher's) eBook features include the ability to hear the text read aloud, highlight, take

notes, create flash cards, see word definitions, build study guides, print select pages, and download 100% of the book for offline access.

- **Help with TexBook issues and support:** check with your professor or visit**:** **https://support.vitalsource.com/hc/en-us/requests/new** (available 24/7 via chat, email, phone, and text)
- **Opting out of TexBook:** Participating in TexBook is not mandatory, and you can choose to opt out. However, by opting out you will lose access to the course textbook/digital content and competitive pricing, and you will need to purchase the required course material on your own. If you drop the class or opt-out before the opt-out deadline, the TexBook fee will be automatically refunded to your SPC account. The opt-out deadline for Fall and Spring is the twelfth class day. The opt-out deadline for shorter terms varies between the second and third class day.
  Please consult with your professor before deciding to opt-out.* If you still feel that you should purchase the course textbook/materials on your own, send an **opt-out email to **pwells@texasbook.com**. Include your first name, last name, student ID number, and the course you are opting out of. Once you have been opted-out, you will receive a confirmation email. If you need assistance with the process, contact the SPC Bookstore:
  Email: pwells@texasbook.com / **Phone**: 806-716-2097
  Email: agamble@texasbook.com / **Phone**: 806-716-4610

Technology Required:

Working, reliable internet access.
Access to your SPC email.
Access to our Blackboard class. Login at http://southplainscollege.blackboard.com
MyStatLab website - login through Blackboard
Gradescope.com website – login through Blackboard
Computer, laptop, tablet, or phone for accessing and completing assignments.

Course Delivery:

- This class is a face-to-face course, using a "flipped classroom" model. This means you are responsible for watching the lecture videos in your Explore assignments on your own time and attempting the assigned homework before class. Please post any questions to the daily Jamboard. During class, I will be addressing any questions posted on the Jamboard, and you will be asking questions, working problems together with the class, finishing your homework, completing an in-class worksheet, and/or starting the videos for the next class meeting.
- You will access course information, videos, and homework through use of the internet. I use email, MyStatLab, Blackboard, Zoom, and Gradescope.com to deliver and manage this course.
- I hold face-to-face office hours at the Lubbock Downtown Center campus and virtual office hours using Zoom (schedule individual Zoom time with me at https://go.oncehub.com/djohansen). I can also be reached by phone or text using my cellphone number (513-227-0095). If you have to leave a message, my response time is 1 business day or less.

Course Requirements: To maximize the potential to successfully complete this course, a student should expect to spend 10-15 hours per week for the 15 weeks of our semester doing the following:

- attend all class meetings
- take notes and participate in class
- login to Blackboard at least 3 times a week, use the Course Materials link in Blackboard to login to MSL to read the required textbook sections, watch the required lecture videos and take notes, thoroughly complete all homework assignments, and prepare well for examinations.
- Participate in a Blackboard discussion board to be completed each week.
- Participate in a Jamboard for each class session.
- The three written exams and the final exam will be taken in class, and more details on this are given in the Course Evaluation section of this syllabus.
- Additionally, students are expected to check their SPC school email **daily** and respond to email communications promptly. **If you don't normally check your SPC email, make sure to set up your SPC account to forward mail to an account you do check.**

Learning Materials/Activities: To be successful in this course, you will use the following materials and complete the given activities for each section of the textbook that we will cover.

- MyStatLab – To access all of your MSL assignments, you login to Blackboard, click on our course, click the Course Content button in the menu, then click the link for Course Materials, then click the button to "Launch Courseware", then click on the tab that says "MyLab and Mastering Course Home", then click on the Assignments button.
- Textbook reading – Read the section in your textbook, whether you use a physical book or the eText inside MyStatLab. As you read, you should write notes on any new vocabulary words (usually in boldface type), formulas, theorems, and calculator commands. The reading is probably your first introduction to the concepts.
- Explore assignment - Explore assignments for each section will be posted in MyStatLab under the Assignments button and will contain a link to the textbook section, video lectures, vocabulary/concept check questions, and sometimes applet animations, StatCrunch exercises, or graphing calculator videos. As you view the videos/animations, you should add any new information to your textbook notes and copy into your notes any examples worked for you in the video, just as if you were sitting in class with that instructor. The exploration assignment is like a guided practice—concepts are still very new, but you should be getting more familiar with them.
- Homework assignment – Homework assignments for each section will be posted in MyStatLab under the Assignments button and will contain questions that may be multiple choice or fill-in-the-blank, but are primarily open-ended questions for problems that you work out. The questions generally give you 3 chances to get the question right before marking the problem wrong. You will then have access to a Similar Question button that will give you a new question and 3 more chances to get the question right. You have unlimited attempts on homework questions, so if you are persistent, do your work on time, and learn from your mistakes, you can earn 100% on all homework assignments. Also, every homework question has a Question Help button in the top right corner that will walk you through the solution, show you a similar example, link to the textbook section, sometimes links to a video example, or gives you a button to Ask My Instructor which sends me an email with your question. The purpose of homework is to practice, practice, practice! This is where you actually are learning the concepts, not just watching someone else work problems. If you have to use the Question Help to

work a problem, be sure to use the Similar Question button to work it again (and again!) until you can do the problems on your own.

- In-Class activities – On most days that we meet for class, we will take some time to practice what you've learned and/or to apply the concepts to lab exercises.
- Discussion board assignment – Not for each section we cover, but these are Blackboard assignments for you to get to know other students in the class, look for uses of statistics in the real world, discuss strategies for solving statistical problems, and generally get help from me and each other. For each discussion, you have to make your post before you can read the other students' posts. Your initial post is due by 5pm on Wednesdays, and your responses to classmates are due by 5pm on Fridays.

Course Evaluation:

- The Explore average will be worth 5% of your grade.
- The homework average is worth 10% of your grade, and the lowest 3 homework grades will be dropped.
- There will be daily in-class activities that could be a short quiz over the previous week's homework, a few questions about the day's Explore videos, or some practice problems over the day's course material. Because these activities are done in-class, there are generally no makeups if you are absent. The only makeups allowed will be for Covid isolations that are verified by SPC's Health Services. The lowest 2 in-class grades will be dropped, and the remaining average will be worth 5% of your grade.
- There will be 9 online Quizzes (1 per chapter we cover) posted in MyStatLab under the Assignments button. You may prepare ONE 3"x5" handwritten notecard for your reference for each quiz, but other than that notecard and your calculator, each quiz is to be **completed on your own and without references**—no using your text, no Google, no Phone a Friend. The purpose of each quiz is to help you review the chapter and start to see the "bigger picture", rather than just one section at a time. Quizzes are TIMED and help get you ready for the Exams. You have two attempts on each quiz (I HIGHLY recommend taking your first attempt early enough that you have time to review your errors before taking the quiz again), and only the highest of your two attempts will count in your average. The Quiz Average is worth 10% of your grade, and the lowest quiz grade will be dropped.
- There will be 15 required Discussion boards posted on Blackboard during the term, worth a total of 5% of your grade, and the lowest two discussion grades will be dropped.
- There will be 3 in-class paper/pencil/notecard exams, each worth 15% of your grade. For each of these exams, you are allowed a z-chart, t-chart, and ONE 3"x5" handwritten, front and back, notecard. All exams will be taken in person during our normal class time and will be timed at 75 minutes. There are NO makeup exams given for any reason. If you miss an exam, I will substitute your Final Exam score for the missing grade. If you miss more than one exam, you will receive a 0 for that exam.
- There will be 1 proctored cumulative final exam, worth 20% of your grade, timed at 2 hours. You are allowed TWO 3"x5" handwritten, front and back, notecards on this exam.
- **Due dates:** Your initial posts on the required discussions are due on Wednesdays by 5pm, and your follow-up posts are due on Fridays by 5pm. MyStatLab assignments for the week will usually be released at 5pm on Fridays and due by 5pm on the following Friday. Due dates for the exams are listed in the Course Calendar section of the Syllabus.

- **Late work:** Late work on Explore, Homework, and Quizzes will be accepted in MyStatLab with a 20% late deduction. This means that if an assignment has 10 questions, and you get 9 of them correct and on time, you earned a 90% on the assignment. If you get the same 9 of them correct, but even one day late, you have earned 80% of 90%, which is only 72%. PLEASE do your assignments on time; don't shoot yourself in the foot! Blackboard discussions will also be accepted with a 20% late deduction. **No assignments will be accepted after a hard deadline of 8am on Wednesday, May 10th**.

Grading Policy:

Explore average	5%
Homework average	10%
Quiz average	10%
Discussion boards	5%
In-Class Average	5%
Exams (3*15%)	45%
Final Exam	20%

Letter Grades:

90%	-	100%	A
80%	-	89%	B
70%	-	79%	C
60%	-	69%	D
59% & below			F

How your work is graded:

- MyStatLab grades online assignments as a percentage based on how many parts of a question were answered correctly, and these grades are immediately included in your MSL Gradebook.
  - You can access the MSL Gradebook by clicking on the Launch Courseware button in Blackboard, click on the MyLab and Mastering Course Home link, then click on the Gradebook button.
  - MSL Gradebook items should sync with the Blackboard Gradebook every hour.
- For the Discussion Boards, your original post is generally worth 3 points, and your meaningful responses to 2 classmates are worth 2 points. Any exception to this will be explained in the instructions for that discussion.
- For the Exams that I grade, I give a percentage of points based on how many parts of the question were answered correctly. For example, for a question about calculating a normal probability, I expect to see a drawing of a normal curve labeled correctly, the correct calculator command being used, the correct probability found, and a complete sentence stating your conclusion (if applicable).
  - You will take your paper and pencil exams with me, and I will scan the exams and upload the scans to Gradescope. I will grade exams and "publish" grades in Gradescope; Gradescope will update your Bb Gradebook and current class average to include those scores.

Response times for grading:

- Explore/Homework - Graded immediately by MyStatsLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- Quiz - Graded immediately by MyStatsLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- Discussion – Graded by me within one week of due date.
- Exam - Graded by me and returned to you within one week of due date. Exception: the final exam is not returned to you, but you can come by the office to see it after grading.

Last day to drop is Thursday, April 27th.

SPC School Holidays:

Monday-Friday, 3/13-3/17, Spring Break
Friday, 4/7, Easter Break

Cellphones: To limit disruptions to the class and distractions to yourself, please put your cellphone on silent mode or airplane mode. If you feel a call is an emergency that you must answer, please take the phone out in the hall before answering to minimize the disruption to the class. If you feel you must leave class, please do so as quietly as possible.

Daily Health Screening: It is critical that you honestly self-screen and STAY HOME if you are experiencing any of the following: fever, cough, chills, muscle pain, shortness of breath or difficulty breathing, new loss of taste or smell, or a sore throat. CONTACT ME immediately if you are having any health issues that interfere with taking your exams or completing other assignments on time.

Student Dress: Reasonable standards of decency apply to the college community. The student should dress in a manner which does not distract from the academic atmosphere. Revealing attire or clothing carrying obscene or offensive slogans is not permitted. In all academic buildings, classrooms, offices, the Student Center, and dining facilities, students are required to wear shirts and shoes.

Language: Please be respectful of others and use language that is appropriate to the workplace. Remember that you are addressing a group. On discussion boards, even though you don't see your classmates, they will be reading. This means several things:

- Don't say/write things that you wouldn't say/write publicly (face-to-face).
- Don't address comments to individuals unless you want all to know what you are telling that person.
- Don't share confidential information. If you are quoting from something another person has sent you personally, ask their permission first.
- Read your message before you send it since once it is out there, you can't change it.

COURSE OUTLINE/CALENDAR*

Problems are assigned online in MyStatLab for each section of the textbook that we cover. To find the MSL assignments, you must opt-in to access the courseware you already paid for at registration. Assignments have due dates, generally at 5pm on Fridays, except your initial post for each Blackboard Discussion is due by 5pm on Wednesdays. For example, in Week 1, your original post in Blackboard Discussion 1 is due by 5pm on Wednesday, 8/31, and your responses to 2 classmates are due by 5pm on Friday, 9/2. You will lose 20% for work completed after the due date passes. To master the material and prepare for the exams, you **MUST** work extra problems!

* Assignments and deadlines are subject to change at instructor's discretion, and all changes will be emailed to the class and posted in Blackboard Announcements.

Date	Content	Assignments
Week 1 1/16 1/18	**Orientation & Introduction to Statistics (Part 1)** • **MLK Day Holiday – No Classes!** • Syllabus & Orientation	**Day 1 Checklist** **Blackboard Discussion 1 – Introduce Yourself** **Syllabus Quiz (use Gradescope link in Blackboard)** MSL Orientation **Due 5pm, 1/20**
Week 2 1/23 1/25	**Introduction to Statistics** • 1.1 – An Overview of Statistics • 1.2 – Data Classification • 1.3 – Data Collection and Experimental Design	**Bb Discussion 2 – Success Plan** Read Sections 1.1-1.3 MSL Explore 1.1-1.3 MSL Hwk 1.1-1.3 **MSL Quiz 1 – Chapter 1** **Due 5pm, 1/27**
Week 3 1/30 2/1	**Descriptive Statistics (Part 1)** • 2.1 – Frequency Distributions and Their Graphs • 2.2 – More Graphs and Displays	**Bb Discussion 3 – Growth Mindset** Read Sections 2.1-2.2 MSL Explore 2.1-2.2 MSL Hwk 2.1-2.2 **Due 5pm, 2/3**

Week 4 2/6 2/8	**Descriptive Statistics (Part 2)** • 2.3 – Measures of Central Tendency • 2.4 – Measures of Variation • 2.5 – Measures of Position	**Bb Discussion 4 – Sampling Methods** Read Sections 2.3-2.5 MSL Explore 2.3-2.5 MSL Hwk 2.3-2.5 **MSL Quiz 2 – Chapter 2** **Due 5pm, 2/10**
Week 5 2/13 2/15	**Probability** • 3.1 – Basic Concepts of Probability and Counting • 3.2 – Conditional Probability and the Multiplication Rule • 3.3 – The Addition Rule • 3.4 – Additional Topics in Probability and Counting	**Bb Discussion 5 – Study Strategies** Read Sections 3.1-3.4 MSL Explore 3.1-3.4 MSL Hwk 3.1-3.4 **MSL Quiz 3 – Chapter 3** **Due 5pm, 2/19**
Week 6 2/20 2/22	**Review & Exam 1** • Review for Exam 1 Additional paper and pencil review with answer key posted on Bb on Course Resources page and in Review Materials folder. • **Exam 1 (Chapters 1-3)**	**Bb Discussion 6 – Stress Management** Due 5pm, 2/24 **MSL Review Quizzes (Chapters 1-3) **MSL Review Hwks (Chapters 1-3) **These assignments are optional, designed to show you where you need to focus your study for Exam 1, and worth up to **3 bonus points** on the exam. Due by noon, 2/22, to earn bonus points.
Week 7 2/27 3/1	**Discrete Probability Distributions & Normal Probability Distributions (Part 1)** • 4.1 – Probability Distributions • 4.2 – Binomial Distributions • 5.1 – Introduction to Normal Distributions and the Standard Normal Distribution	**Bb Discussion 7 – Sleep** Read Sections 4.1-4.2, 5.1 MSL Explore 4.1-4.2, 5.1 MSL Hwk 4.1-4.2, 5.1 **MSL Quiz 4 – Chapter 4** **Due 5pm, 3/3**

Week 8 3/6 3/8	**Normal Probability Distributions (Part 2)** • 5.2 – Normal Distributions: Finding Probabilities • 5.3 – Normal Distributions: Finding Values • 5.4 – Sampling Distributions and The Central Limit Theorem	**Bb Discussion 8 – Review Success Plan** Read Section 5.2-5.5 MSL Explore 5.2-5.5 MSL Hwk 5.2-5.5 **MSL Quiz 5 – Chapter 5** **Due 5pm, 3/10**
3/13-3/17	**Spring Break – No Classes!**	**Be safe!**
Week 9 3/20 3/22	**Confidence Intervals** • 6.1 – Confidence Intervals for the Mean (Large Samples) • 6.2 – Confidence Intervals for the Mean (Small Samples) • 6.3 – Confidence Intervals for Population Proportions	**Bb Discussion 9 – Stats in Your Career** Read Sections 6.2-6.3 MSL Explore 6.2-6.3 MSL Hwk 6.2-6.3 **MSL Quiz 6 – Chapter 6** **Due 5pm, 10/28**
Week 10 3/27 3/29	**Review & Exam 2** • Review for Exam 2 Additional paper and pencil review with answer key posted on Bb on Course Resources page and in Review Materials folder. • **Exam 2 (Chapters 4-6)**	**Bb Discussion 10 – Confidence Intervals** Due 5pm, 3/31 **MSL Review Quizzes (Chapters 4-6) **MSL Review Hwks **These are optional assignments to show you where you need to focus your study for Exam 2, and worth up to **3 bonus points** on the exam. Due by noon 3/29, to earn bonus points.
Week 11 4/3 4/5	**Hypothesis Testing with One Sample** • 7.1 – Introduction to Hypothesis Testing • 7.2 – Hypothesis Testing for the Mean (Large Samples) • 7.3 – Hypothesis Testing for the Mean (Small Samples) • 7.4 – Hypothesis Testing for Proportions	**Bb Discussion 11 – Nutrition** Read Sections 7.1-7.4 MSL Explore 7.1-7.4 MSL Hwk 7.1-7.4 **MSL Quiz 7 – Chapter 7** **Due 5pm, 4/7**

Week 12 4/10 4/12	**Hypothesis Testing with Two Samples (Part 1)** • 8.1 – Testing the Difference Between Means (Large Independent Samples) • 8.2 – Testing the Difference Between Means (Small Independent Samples) • 8.3 – Testing the Difference Between Means (Dependent Samples)	**Bb Discussion 12 – Halloween Recap** Read Sections 8.1-8.3 MSL Explore 8.1-8.3 MSL Hwk 8.1-8.3 **Due 5pm, 4/14**
Week 13 4/17 4/19	**Hypothesis Testing with Two Samples (Part 2) & Review for Exam 3** • 8.4 – Testing the Difference Between Proportions • Review for Exam 3 Additional paper and pencil review with answer key posted on Bb on Course Resources page and in Review Materials folder. **Send me your receipt for Course Evaluation to earn 3 bonus points on Final Exam!**	**Bb Discussion 13 – Gratitude** **MSL Quiz 8 – Chapter 8** **Due 5pm, 4/21** **MSL Review Quizzes (Chapters 7 & 8) **MSL Review Hwks **These are optional assignments to show you where you need to focus your study for Exam 3, and are worth up to **3 bonus points** on the exam. Due by noon, 4/24, to earn bonus points.
Week 14 4/24 4/26	**Exam 3 & Correlation and Regression (Part 1)** • **Exam 3 (Chapters 7 & 8)** • 9.1 – Correlation	**Bb Discussion 14 – Hypothesis Tests** Due 5pm, 4/28 Read Section 9.1 MSL Explore 9.1 MSL Hwk 9.1 **Due 5pm, 5/5**

Week 15 5/1 5/3	**Correlation and Regression (Part 2) & Review for Final Exam** • 9.2 – Linear Regression • 9.3 – Measures of Regression and Prediction Intervals • Review for Final Exam Additional paper and pencil review with answer key posted on Bb.	**Bb Discussion 15 –Dear Younger Me** Read Sections 9.2-9.3 MSL Explore 9.2-9.3 MSL Hwk 9.2-9.3 **MSL Quiz 9 – Chapter 9** **Due 5pm, 5/5**
Week 16 5/10	**Final Exam** • **Final Exam (Ch. 1-9), Thursday, 12/15, 8-10am** • **Any late work due by noon, Wednesday, 5/10**	**Have a safe and happy break!**