South Plains College
Common Course Syllabus: MATH 1342
Revised July 2023

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*, Larson and Farber, 2023, 8th Edition, Pearson. ISBN-13: 9780137493463.

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 11 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 cannot 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.
10. Providing a test or test answers to another student.
11. Failing to secure your work and allowing another student to access your test or test answers, whether knowingly or not.

Penalties for academic integrity violations will range from a 50% to a 100% grade reduction, depending on the severity of the infraction. Honorlock irregularities will also incur grade reductions, explained in the Honorlock folder on Blackboard.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither instructor nor 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.

For information regarding official South Plains College statements about intellectual exchange, disabilities, non-discrimination, Title IX Pregnancy Accommodations, CARE Team, and Campus Concealed Carry, please visit 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 1342.151 – Spring 2024

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

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

Lubbock Downtown Center Office Hours: MW 1-2pm, T/Th 1:30-2:30pm and 4-5pm, most Fridays 9-11am.
Live (Zoom) Q&A: Th 8:30-9:30pm (https://southplainscollege.zoom.us/j/91409101191)
By appointment: Schedule virtual office hours using https://go.oncehub.com/djohansen

Physical Textbook (Optional): *Elementary Statistics: Picturing the World*, Farber and Larson, 2023, 8th Edition, Pearson. ISBN-13: 9780137493463.

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 has already been added to the regular tuition and fees for the class through the TexBook program. More information on this can be found below:

TexBook Syllabus Statement
This course is part of your TexBook program, which means you don't need to purchase a textbook or access code for this course. TexBook is the required content (either an eBook or online Courseware) for your course, and is provided for you via the Bibliu platform from Day 1 of class.

- Cost of TexBook: this required content is provided as part of a Program called 'Inclusive Access', which means that content is provided for you at the lowest price available from the publisher. The cost for this is included in your tuition.
- How to access your digital content via Bibliu: you can access your material via the Bibliu link inside your Blackboard Course, or directly via the Bibliu app. If you have issues with this, please contact your professor, the Bookstore Manager or Bibliu Support (see below).
- The Bibliu platform: you can use the Bibliu platform to enhance your learning experience, with features including: highlighting, notes and reading text aloud. For more details and support on how to use Bibliu, please visit the BibliU support pages, or contact Bibliu support via the email: support@bibliu.com

- Opting out: you can Opt-Out of the TexBook Program, up until the Opt-Out deadline, via the banner displayed when you open the Bibliu platform. Remember that Opt-Out deadlines vary by term, and if you choose to Opt-Out you will lose access to this low price option, and will need to purchase the content through a different method. If you opt-Out, the fee will be refunded to your account.

Useful contacts:

1. Bibliu Support: email support@bibliu.com
2. Bookstore Manager: Christian Bruno - christian.bruno@bibliu.com
3. Bookstore Text Coordinator: Trish Wells - patricia.wells@bibliu.com

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 first, then you can use Blackboard or the Gradescope Mobile app
Physical scanner or Gradescope mobile app for your phone if you will be testing with Honorlock.
Computer or laptop with Chrome browser, Honorlock extension for Chrome browser (uninstall Proctorio extension first if you have that), webcam, and microphone for video, with the ability to show your workspace during exams if you will be testing with Honorlock.
Computer, laptop, tablet, or phone for accessing and completing assignments.

Course Delivery: This course is an online course, so you will access course information and correspond with me through use of the internet. I use email, MyStatLab, Blackboard, Zoom, and Gradescope.com to deliver and manage this course. I do NOT use the Course Messages feature in Blackboard. I hold face-to-face office hours at the Lubbock Downtown Center campus and virtual office hours using Zoom (Live Q&A's on Thursdays at 8:30pm or schedule 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 spend 10-15 hours per week for the 15 weeks of our semester doing the following:

- login to Blackboard at least three days a week, use the MyStatLab link in Blackboard (on the Content page) 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.
- There will be a Blackboard discussion board to be completed each week.
- The four written exams must be proctored by your instructor in person or online by using Honorlock, and more details on this are given in the Course Evaluation section of this syllabus and on the Resources page in Blackboard, in the Honorlock folder.
- 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.

- Homework assignment (in MyStatLab) –
  - 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.
  - Section video – Link to section video will be in the Hwk assignment. As you view the video, 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.
  - Calculator videos – If applicable, the Hwk assignment will include calculator videos for TI-83/TI-84 commands that will help with some of the "number crunching" in the course. If you have a different type of calculator, you may have some built-in statistics commands available, but you will have to Google your own videos.
  - Homework questions 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 Question Helps available at the bottom of the homework question. The Help Me Solve This button in the bottom left corner will walk you through a solution. Other helps may show you a similar example, link to the textbook section, sometimes links to a video example. Under Get More Help, there is usually 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.
- Discussion board assignment – Not for each section we cover, but these are weekly 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 homework average is worth 15% of your grade, and the lowest 3 homework grades will be dropped.
- 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. These are NOT open book quizzes. 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 10% of your grade, and the lowest two discussion grades will be dropped.
- There will be 3 proctored paper/pencil/calculator/notecard exams during the term, 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. The exams will be taken in person with me or proctored using Honorlock at the dates and times listed in the course calendar, and will be timed at 75 minutes. More information on Honorlock is available on Blackboard on the Resources page, in the Honorlock folder, and you are responsible for all of that information if you will be testing with Honorlock. You will need to arrange your school/life/work schedules to accommodate taking the exams at the specified times. 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. If you take all exams, I will replace your lowest exam grade with the Final Exam grade, if it is better.
    - Exam 1 (Chapters 1-2) – Monday, 2/10
    - Exam 2 (Chapters 3-5) – Monday, 3/10
    - Exam 3 (Chapters 6-8) – Monday, 4/21
    - For each exam, you have the following testing options:
        - 3-4:15pm, Lubbock Downtown Center, Room B004
        - OR 7-8:15pm, Lubbock Downtown Center, Room B004
        - OR 10am, online with Honorlock if you are more than 50 miles from Lubbock and have been approved by me to use Honorlock
        - OR 8pm, online with Honorlock if you are more than 50 miles from Lubbock and have been approved by me to use Honorlock
- 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, along with a z-chart and t-chart.
    - For the Final Exam (Chapters 1-9) – Monday, 12/9, you have the following options:
        - 1-3pm, Lubbock Downtown Center, Room B004
        - OR 7:15-9:15pm, Lubbock Downtown Center, Room B004
        - OR 10am, online with Honorlock
        - OR 8pm, online with Honorlock

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 following week will be released at 5pm on Fridays and usually due by 5pm on the following Friday. Due dates for MSL assignments and the exams are listed in the Course Outline section of the Syllabus and on the Course Calendar.

Late work: Late work on 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 8pm on Monday, May 5th**.

Grading Policy:

Homework average	15%
Quiz average	10%
Discussion boards	10%
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.
    - To access the MSL Gradebook, login to Blackboard, click on the Start Here folder, click on the Pearson Access – Course Tool link, 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).
    - If you take your paper and pencil exams with me, I will scan the exams and upload the scans to Gradescope. If you are testing with Honorlock, your exam will be taken in Blackboard, and you will be responsible for scanning your work and uploading it 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:

- Homework - Graded immediately by MyStatLab, reviewed by me within 1 business day if you contact me with a specific question/issue.
- Quiz - Graded immediately by MyStatLab, 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 within one week of due date and available on Gradescope. Exception: the Final Exam is not published, but you can make an appointment with me to see your graded Final Exam.

Reviewing Grades on Blackboard: After you complete MSL assignments or I grade your other assignments and exams, you should be able to log into Blackboard to see your grade in the Gradebook tab.

Reviewing Grades on Gradescope: After I grade your exams, you should be able to log into Blackboard, click on the Gradescope link in the Start Here folder or any of the weekly folders for Exam weeks to get to your graded exams and see your grade and my comments or corrections. You can also login to Gradescope.com or the Gradescope Mobile app using your School Single Sign On method.

Last day to drop is Thursday, April 24th.

SPC School Holidays:

Monday, 1/20, Martin Luther King, Jr. Holiday
Monday-Friday, 3/17-3/21, Spring Break
Friday, 4/18, Easter Break

Daily Health Screening: Though this is an online class, you may need to come to campus to see me, see a tutor, or take one of your exams. 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 DeEtte Edens at dedens@southplainscollege.edu or at (806) 716-2376 and submit the required medical documentation to her 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. **Also, when taking online exams with Honorlock, please use the same guidelines for your attire as if you were physically on campus.**

Language: Please be respectful of others and use language that is appropriate to the workplace. Remember that you are addressing a group. Even though you don't see them, 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.
- While being recorded during an exam, please do not talk to yourself or others.

COURSE OUTLINE*

Problems are assigned online in MyStatLab for each section of the textbook that we cover. To access online assignments, you must initially open the Start Here folder on the Course Content page in Blackboard, then click the Pearson Access Course Tool link, then create a Pearson username and password or login with your existing Pearson username and password. (You already paid for the course materials at registration; there's no additional fee. If you opt-out, you can buy an access code for MyStatLab directly from Pearson Publishing with a credit or debit card. This will save you about $30, but it takes a couple weeks to get the refund in your SPC account.) After the initial registration process, you can access your MSL assignments through Blackboard or by directly logging in to MyMathLab.com. Assignments have due dates, and you will lose 20% for work completed after the due date passes. To master the material and prepare for the exams, you **MUST** work 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 1/13-1/19	**Orientation & Introduction to Statistics (Part 1)** • Syllabus, Day 1 Checklist, & Orientation • 1.1 – An Overview of Statistics • 1.2 – Data Classification	**Day 1 Checklist** **Blackboard Discussion 1 – Introduce Yourself** due 5pm, 1/17 Read Sections 1.1-2 MSL Tutorial MSL Hwk 1.1-2 **MSL Due 5pm, 1/24**
Week 2 1/20-1/26	**Introduction to Statistics (Part 2) & Descriptive Statistics (Part 1)** • **1/20 – MLK, Jr. Holiday – No Classes!** • 1.3 – Data Collection and Experimental Design • 2.1 – Frequency Distributions and Their Graphs	**Bb Discussion 2 – Success Plan** Read Sections 1.3, 2.1 MSL Hwk 1.3, 2.1 **MSL Quiz 1 – Chapter 1** **Proctor Form (find on Bb Getting Started slide, send completed form to my email)** **Due 5pm, 1/24**
Week 3 1/27-2/2	**Descriptive Statistics (Part 2)** • 2.2 – More Graphs and Displays • 2.3 – Measures of Central Tendency • 2.4 – Measures of Variation	**Bb Discussion 3 – Sampling Methods** Read Sections 2.2-2.4 MSL Hwk 2.2-2.4 **Due 5pm, 1/31**

Date	Content	Assignments
Week 4 2/3-2/9	**Descriptive Statistics (Part 3) & Review for Exam 1** • 2.5 – Measures of Position • Review for Exam 1 Additional paper and pencil review with answer key posted on Bb on Resources page, in Review Materials folder.	**Bb Discussion 4 – Study Strategies** Read Section 2.5 MSL Hwk 2.5 **MSL Quiz 2 – Chapter 2** **Due 5pm, 2/7** **MSL Review Quizzes (Chapters 1-2) **MSL Review Hwks (Chapters 1-2) **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, 2/10**, to earn bonus points.
Week 5 2/10-2/16	**Exam 1 & Probability (Part 1)** • **Exam 1 (Chapters 1-2)** **Monday, 2/10** In person, 3pm-4:15pm, LDC Room B004 OR In person, 7pm-8:15pm, LDC Room B004 OR Online at 10am, using Honorlock* OR Online at 8pm, using Honorlock* • 3.1 – Basic Concepts of Probability and Counting • 3.2 – Conditional Probability and the Multiplication Rule *as stated on your Proctor Form and approved by your instructor	**Bb Discussion 5 – Growth Mindset** Due 5pm, 2/14 Read Sections 3.1-2 MSL Hwk 3.1-2 **MSL Quiz 3 – Chapter 3** **MSL Due 5pm, 2/21**
Week 6 2/17-2/23	**Probability (Part 2) & Discrete Probability Distributions (Part 1)** • 3.3 – The Addition Rule • 3.4 – Additional Topics in Probability and Counting • 4.1 – Probability Distributions	**Bb Discussion 6 – Stress Management** Read Sections 3.3-4, 4.1 MSL Hwk 3.3-4, 4.1 **Due 5pm, 2/21**

Week 7 2/24-3/2	**Discrete Probability Distributions (Part 2) & Normal Probability Distributions (Part 1)** • 4.2 – Binomial Distributions • 5.1 – Introduction to Normal Distributions and the Standard Normal Distribution • 5.2 – Normal Distributions: Finding Probabilities	**Bb Discussion 7 – Review Success Plan** Read Sections 4.2, 5.1-5.2 MSL Hwk 4.2, 5.1-5.2 **MSL Quiz 4 – Chapter 4** **Due 5pm, 3/1**
Week 8 3/3-3/9	**Normal Probability Distributions (Part 2) & Review for Exam 2** • 5.3 – Normal Distributions: Finding Values • 5.4 – Sampling Distributions and The Central Limit Theorem • Review for Exam 2 Additional paper and pencil review with answer key posted on Bb on Resources page, in Review Materials folder.	**Bb Discussion 8 – Sleep** Read Sections 5.3-5.4 MSL Hwk 5.3-5.4 **MSL Quiz 5 – Chapter 5** **Due 5pm, 3/7** **MSL Review Quizzes (Chapters 3-5) **MSL Review Hwks (Chapters 3-5) **These are the 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, 3/10**, to earn bonus points.
Week 9 3/10-3/16	**Exam 2 & Confidence Intervals (Part 1)** • **Exam 2 (Chapters 3-5)** **Monday, 3/10** In person, 3pm-4:15pm, LDC Room B004 OR In person, 7pm-8:15pm, LDC Room B004 OR Online at 10am, using Honorlock* OR Online at 8pm, using Honorlock* • 6.1 – Confidence Intervals for the Mean (Large Samples) *as stated on your Proctor Form and approved by your instructor	**Bb Discussion 9 – Nutrition** Due 5pm, 3/14 Read Section 6.1 MSL Hwk 6.1 **MSL Due 5pm, 3/28**
3/17-3/23	**Spring Break – No Classes!**	

Week 10 3/24-3/30	**Confidence Intervals (Part 2) & Hypothesis Testing with One Sample (Part 1)** • 6.2 – Confidence Intervals for the Mean (Small Samples) • 6.3 – Confidence Intervals for Population Proportions • 7.1 – Introduction to Hypothesis Testing	**Bb Discussion 10 – Stats in Your Career** Read Sections 6.2-3, 7.1 MSL Hwk 6.2-3, 7.1 **MSL Quiz 6 – Chapter 6** **Due 5pm, 3/28**
Week 11 3/31-4/6	**Hypothesis Testing with One Sample (Part 2)** • 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 – Confidence Intervals** Read Sections 7.2-7.4 MSL Hwk 7.2-7.4 **MSL Quiz 7 – Chapter 7** **Due 5pm, 4/4**
Week 12 4/7-4/13	**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 8.1-8.2 MSL Hwk 8.1-8.2 **Due 5pm, 4/11**
Week 13 4/14-4/20	**Hypothesis Testing with Two Samples (Part 2) & Review for Exam 3** • 8.4 – Testing the Difference Between Proportions • Review for Exam 3 • **4/18 – Easter Break – No Classes!** Additional paper and pencil review with answer key posted on Bb on Resources page, in Review Materials folder. **Complete your Course Evaluation to earn 3 bonus points on Final Exam!**	**Bb Discussion 13 – Gratitude** **MSL Quiz 8 – Chapter 8** **Due 5pm, 4/18** Read Sections 8.3-8.4 MSL Hwk 8.3-8.4 **MSL Review Quizzes (Chapters 6-8) **MSL Review Hwks (Chapters 6-8) **These are the 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, 4/21**, to earn bonus points.

Week 14 4/21-4/27	**Exam 3 & Correlation and Regression (Part 1)** • **Exam 3 (Chapters 6-8)** **Monday, 4/21** In person, 3pm-4:15pm, LDC Room B004 OR In person, 7pm-8:15pm, LDC Room B004 OR Online at 10am, using Honorlock* OR Online at 8pm, using Honorlock* • 9.1 – Correlation **Complete your Course Evaluation to earn 3 bonus points on Final Exam!** *as stated on your Proctor Form and approved by your instructor	**Bb Discussion 14 – Hypothesis Tests** Due 5pm, 4/25 Read Section 9.1 MSL Hwk 9.1 **Due 5pm, 5/2**
Week 15 4/28-5/4	**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 Hwk 9.2-9.3 **MSL Quiz 9 – Chapter 9** **Due 5pm, 5/2**
Week 16 5/5	**Final Exam** • **Final Exam (Chapters 1-9)** **Monday, 5/5** In person, 1pm-3pm, LDC Room B004 OR In person, 7:15pm-9:15pm, LDC Room B004 OR Online at 10am, using Honorlock* OR Online at 8pm, using Honorlock* *as stated on your Proctor Form and approved by your instructor • **Any late work due by 8pm, Monday, 5/5**	Final grades will be posted by 10am, 5/12. **Have a safe and happy summer break!**