MATH 2342 (INET) COURSE SYLLABUS
Elementary Statistical Methods
(Sections 23420 or 93411)
SPRING 2015
Instructor: Sharon Jackson
Math/Science Department Office Location: Brookhaven College Room K142
Virtual Office Hours: Mon - 12:00 - 1:00 PM & Wed- 10:00 AM - 11:00 AM
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ISBN: 978-0321-693204

CATALOG DESCRIPTION: Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use appropriate technology is recommended. (3 LEC)

Student Learning Outcomes:
Upon successful completion of this course, students will:
1. Explain the use of data collection and statistics as tools to reach reasonable conclusions.
2. Recognize, examine and interpret the basic principles of describing and presenting data.
3. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
4. Explain the role of probability in statistics.
5. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
6. Describe and compute confidence intervals.
7. Solve linear regression and correlation problems.
8. Perform hypothesis testing using statistical methods.

MATH 2342 is a Tier I course in the Quantitative Reasoning learning category. "Knowledge and skills that are important to your success in other college courses will be introduced and reinforced in Tier I. The Quantitative Reasoning category promotes the application of mathematics to increase your ability to solve "real-world" problems. When you are quantitatively literate, you can use logic and critical thinking in new way."
For more details, visit www.dcccd.edu/core.

MATH 2342 develops the following Core Objectives:
Critical Thinking - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information.
Communication - to include effective development, interpretation and expression of ideas through written and visual communication.
Empirical and Quantitative Skills - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
MATH 2342 develops Critical Thinking, Communication, and Empirical and Quantitative Skills by requiring students to collect, analyze, present and interpret data and probability.
CHAPTERS/UNITS COVERED:

Chapter 1: Introduction to Statistics
Chapter 2: Summarizing and Graphing Data
Chapter 3: Statistics for Describing, Exploring, and Comparing Data
Chapter 4: Probability (4.1-4.4)
Chapter 6: Normal Probability Distributions
Chapter 7: Estimates and Sample Sizes
Chapter 8: Hypothesis Testing
Chapter 10: Correlation and Regression

INSTITUTIONAL POLICIES

Drop/Withdrawal Policy: Withdrawing from a course is a formal procedure which YOU must initiate; the instructor cannot do it for you. You may withdraw from a class in either the Admissions office or Advising Center. If you stop attending or are unable to complete this class and you do not withdraw before the official drop date, February 28, 2015, you will receive a performance grade, usually a grade of “F.” Students sometimes drop a class when help is available that would enable them to continue. Please discuss your plans with the instructor if you feel you need to withdraw.

https://www1.dcccd.edu/catalog/ss/oep/dw.cfm?use_nav=acad_info&loc=econ

Stop Before You Drop!
For students who enroll in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your college counseling/advising center will give you more information on the allowable exceptions.

Remember that once you have accumulated six non-exempt drops, you cannot drop any other courses with a “W.” Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges.

https://www1.dcccd.edu/coursedrops

Financial Aid Statement: Failure to attend classes could result in a loss of Financial Aid (FA). If you are receiving any form of financial aid, you should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

International Students: Students on an F-1 visa cannot withdraw from classes without jeopardizing their official status. If you are on an F-1 visa, you MUST NOT withdraw from any class without the permission of an International Student Advisor in the Multicultural Center, in Room S136 or at 972-860-4192.

Religious Holidays: A student shall be excused from attending classes, or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this provision may not be penalized for that absence and shall be allowed to take an examination or complete an assignment within a reasonable time after the absence.

ADA Statement: If you feel you may need special assistance or accommodation (such as help with taking notes, extra time on tests, etc.) because of any type of physical disability or learning difference, please contact the Special Services office in Room S124 or at 972-860-4673.
**Academic Integrity:** Scholastic dishonesty is a violation of the Student Code of Conduct and is punishable as stated in college policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion. The purpose of the Student Code of Conduct is to provide guidelines for the educational environment of the Dallas County Community College District. This environment views students in a holistic manner, encouraging and inviting them to learn and grow independently. Such an environment presupposes both rights and responsibilities. For more information, refer to the [DCCCD Student Code of Conduct](https://www1.dcccd.edu/catalog/ss/code.cfm).

*We, the Math Department of BHC, take issues of dishonesty very seriously. If a student is caught violating any policy of the Testing Center, or an instructor’s own policy for their particular class, the following consequences will be enforced: The minimum penalty a student will receive is a zero for the assignment/exam and the maximum penalty will be to receive an F for the course and/or academic suspension.*

**FERPA:** The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. More information is available at [https://www1.dcccd.edu/catalog/about/privacy.cfm](https://www1.dcccd.edu/catalog/about/privacy.cfm)

**Instructor Right to Modify:** The instructor has the right to add, delete, or revise segments of this course syllabus.

**Repeating the Course:** Each college of the DCCCD charges additional tuition to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and continuing education/workforce training courses will result in additional tuition being charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts included courses taken at any of the DCCCD colleges since the Fall 2002 semester. [https://www1.dcccd.edu/catalog/ss/oep/third_attempt.cfm?loc=econ](https://www1.dcccd.edu/catalog/ss/oep/third_attempt.cfm?loc=econ)

**COURSE MATERIALS**
In this course, we will use a software program called *MyMathLab* that will be accessed via the Internet. You will use this program to complete all required homework, quizzes, reviews and tests. *MyStatLab* is an interactive website where you can:

- Self-test to improve your math skills.
- Study more efficiently. Create personalized study plans with exercises that match your textbook.
- Get help when you need it. Includes multimedia learning aids like videos and animations.
- Talk to a live tutor via a toll free number.

**Hardware/Software Requirements**
Please use the following link to get a list of system requirements [http://247pearsoned.custhelp.com/app/answers/detail/a_id/7875/session/L3RpbWUtUvMTQwODQ3Njc2OS9zaWQvdWxocERmKmw%3D](http://247pearsoned.custhelp.com/app/answers/detail/a_id/7875/session/L3RpbWUtUvMTQwODQ3Njc2OS9zaWQvdWxocERmKmw%3D)

You will also need a personal computer and internet connection. Once you have registered into the MyMathLab classroom, you will find the necessary link to update your browser with the appropriate plug-ins and players, such as Adobe® Acrobat® Reader and RealPlayer®, to use the multimedia content inside your course (instructions are also included on the Getting Started handout).
If you experience technical problems while using *MyStatLab*, you may contact Pearson Education Technical Support at [http://www.mathxl.com/support/contactus.htm](http://www.mathxl.com/support/contactus.htm) for live chat or email support. For phone support you can call (800) 677-6337.

**Other materials you will need for the course:**
You will need a TI-84 or 83plus Graphing Calculator. **You will need to have this calculator on or before the first day of class.** You will be allowed to use your graphing calculator on all homework, quizzes, tests and the Final Exam. It’s best to practice on the calculator you will use for the test and use the expression editor to type in your final answer. If you are asked to take the final exam in a proctored setting, you will not be allowed to use a TI-89, TI-92 or TI-Nspire Graphing Calculator while taking any proctored exams in the Testing Center. **You will also need a 1 ½ to 2” - 3-ring binder, pencil, and loose-leaf.** You may also find a ruler and a couple of pieces of graph paper to be useful.

**NCDM:** Certain sections of this course may be linked with an NCDM (NCDM 0071 or 0072). This is a non-traditional credit bearing course designed to enable students to complete a credit-bearing, transferable mathematics course on an accelerated timeline. Students who are enrolled in this course will be required to complete prerequisites skills need in Intermediate Algebra or DMAT 0310.

**Attendance:** Attendance is an important part of your success. Although you will not receive a formal grade for attendance it will be very difficult to complete the course successfully without completing the corresponding lessons before attempting to do any of the homework assignments.

**Study Expectations:**
Additional time off line, reading the textbook, doing assigned review work, studying for exams and quizzes, is also expected. It has been observed that taking a class at the college level requires 2-3 hours outside of class for every credit hour for the course per week. This means that since this is a 3 credit hour course that is completed in 8 weeks therefore, you are expected to spend 12-18 hours studying for this course. This calculation doesn't include the time spent watching the video presentations which is an additional 3 hours per week. In a typical week you may spend:

- 6-8 hours reading each assigned section from the textbook, watching the section videos, taking notes, reviewing animation activities or additional tutorials.
- 2-4 hours completing graphing calculator tutorials (depends on level of experience)
- 12-18 hours doing homework, review assignments, or taking quizzes and tests.

The time you spend each week studying for the course and completing the activities will depend on the length and difficulty of each section and how quickly you can master the objectives. It will also depend on your knowledge level of the material/objectives being presented.
**Announcements & Student-Instructor Communication**

My main communication with the class will be made by posting announcements on the announcements page in the MyMathLab classroom or via email. Announcements will be posted regularly by the instructor (at least once a week). All students are responsible for checking the Announcements Page at least twice a week. These announcements may contain review material, tips, lecture notes, reminders, updates, and other important information that you will find necessary and useful for the course. You are responsible for the information that is given in these announcements.

Your main communication with your instructor will be via email. To ensure a prompt response when emailing your instructor you must include your full name (first and last) in the body of the email and write the course for which you are enrolled (MATH 2342) and the section number in the subject line of all email correspondences. I should respond to your email within 24 hours Monday through Thursday. If I don’t respond to your email within 48 hours (Monday – Thursday) then please call my office number and leave a message. Emails sent after 12:00 PM on Friday will be answered by Monday of the following week. Any emails that are sent without the requested information in the subject line will result in a longer response time, typically 48 hours or more.

For a more immediate response, it is best to email me during Virtual Office Hours. This is the time that I am available to answer questions via email or chat room.

**Virtual Classroom/Environment Expectations:**

Whether you’ve taken an online course before or are enrolled in your first one, you’ll soon discover that an online course has a unique culture and etiquette. Unlike popular social media, such as Facebook or Twitter that you may already be using in your daily life, online course etiquette more closely resembles that of a traditional, on-campus course. Below you will find some guidelines you can follow to help you be successful in your online course.

1) **Interacting with People, not a Computer**

In an online course, you may find fewer opportunities for face-to-face interaction between you, your instructor, and your classmates. Since most of your interaction will be text-only, you won’t be able to pick up on “cues” such as body language, facial and vocal inflection, or the discussion's changing pace. This has the potential for people to misunderstand another’s writing.

Give your writing a respectful “tone,” whether you are agreeing or disagreeing with another person’s posting. When you read email or online discussions, make sure you understand the other person's message. A confrontational reply to a message you’ve misunderstood can drag a conversation down for everyone. If you don’t understand, ask the writer for clarification with language you’d use in the classroom. Think about how you’d react if someone wrote you the way you’re writing your message.

2) **Read Before You Write**

Spoken conversations are continuous process of talking and listening. When you walk up to friends in conversation, you listen awhile to pick up what’s being talked about before you join in. It's good etiquette online, too. Even if it's conversation you contributed to previously, new posts by others may have introduced new questions and taken the discussion in new directions. This also prevents repetitions of thoughts that have already been expressed.
3) **Read Before You Submit**

In general, discussion posts and e-mail should be as concise as possible while still making your message clear. Write a draft and before you click the submit button, read your message aloud, to yourself or to someone else. This can help you find awkward phrasing, correct mis-spelling, or maybe see a clearer way to compose your message.

Avoid language that is humorous (although some humor may be appropriate), angry, sarcastic, or offensive. Remember that your readers won't have those cues mentioned above and could misunderstand you. If you feel particularly strongly about a point, it may be best to write your message first as a draft and then review it before posting in order to remove any strong or ambiguous language.

4) **Words are Forever**

Once you submit your message, whether in e-mail or as a post to a blog or discussion group. It will be stored on servers “out there” for others to read. You won’t be able to easily take back your words. Even if you intended it to be private, your message may, in fact, be public. A search engine might find it. It can be forwarded to people you never wanted to read it, or copied and posted in a context you didn’t intend. You have no control over the way others might use it once it is public.

You do, however, have control over what you do-or don’t do- with other people’s messages. If someone writes you a private e-mail, respect that privacy.

**Staying Organized**

- Keeping a 3-ring binder/notebook is strongly suggested.
- Keep a copy of your course syllabus in your binder.
- If you did not purchase a hard copy of the textbook, you will need to print out a copy of *Formulas and Tables Fold-Out Card*, along with A-2.
- Use dividers to divide into 3 sections for notes, homework, quizzes and tests.
- Show all steps for each homework problem and circle or highlight your final answer.
- Group homework assignments in chronological order by section.
- Organization technique will make it easy to find problems for reference if you have questions or concerns. It also makes it easy to reference when studying for quizzes and tests.
- Use the same technique to organize work for quizzes and tests.
- Notebook will serve as a customized study guide for the course.
- Keep a copy or record grades earned for each assignment in the course.
- Good idea to print your grades out on a weekly basis from the gradebook.
1. **GO TO CLASS.** All academic work and course content will be located in the MyStatLab classroom.
   - **Check the Announcements Page** to see if any new announcements have been posted.
   - **Check the course calendar** to see the sequential list of assignments to work on. There are several pre-assignments that need to be completed before you begin working on the unit assignments.
   - **Complete Skills Check assignment.** Each unit has corresponding skills check assignment that includes the prerequisite skills needed to understand the unit material. You can skip the customized homework if you have earned at least 80% on this assignment.
   - **Complete Skills Check Custom Homework.** A personalized homework assignment is created based on your performance on the skills check assignment. The number of homework problems you will have to complete is determined by your performance on the corresponding skills check assignment. You must earn at least 90% on this assignment in order to access the corresponding unit review materials.
   - Be sure to show your work for each problem worked in the Skills Check or Homework exercise in your notebook.
   - **Complete a Lesson.** Once you have earned at least 80% on the Skills Check assignment or at least 90% on the Skills Check Custom Homework, you are ready to begin the work on the unit material! Start with the **Reading Assignment** corresponding to the section you are ready to work on. Each reading assignment includes a corresponding link to corresponding pages from the multimedia textbook, possible StatTalk videos to introduce the topic, animation or other tutorials to explain the objectives. Read through the corresponding section from the multimedia textbook (or from the hard copy of the textbook if purchased) then view section videos and complete any other activities. Each reading assignment includes conceptual questions for you to answer. You will need to earn at least 80% on this assignment before you can access the corresponding homework. You will have 3 attempts at each question to earn this minimum score.
   - **Complete Graphing Calculator Tutorials.** In some sections you may technology links to using the graphing calculator. This is not to replace the Graphing Calculator Tutorials that you should complete. You will also find several options to learning how to use the graphing calculator under the **Tools for Success** menu. You can choose between the Graphing Calculator Manual, Graphing Calculator Tutorials, and Graphing Calculator Tutorial Videos. Most students have found the Graphing Calculator Manual or the Graphing Calculator Tutorial Videos to be most helpful.
2. **DO THE ASSIGNED HOMEWORK.** In the *MyMathLab* classroom you can access your homework assignments directly from the main menu.
   - There is a Skills Check Assignment for most homework assignments. These assignments cover the prerequisite material necessary to help you to complete the assignment (e.g. review of rounding, solving equations, graphing points, etc.) and are optional.
   - Try to score at least 80% on each homework assignment.
   - Each assignment may include questions from the corresponding video lecture or animation activities.
   - *Help Me Solve This, View an Example* and technology links are Learning Aids that may be available to you as you complete the homework assignment.
   - **Ask for Help!** Email your instructor if after using these resources you still don't understand.
   - Each homework assignment is a prerequisite of the other; therefore you will not be allowed to move on until you have completed the preceding homework and you will not be allowed to skip around.
   - You have the opportunity to complete the homework assignments as many times as you wish before the given deadline date.
   - Show your work for each problem in your notebook as you may need to reference it later.
   - Once the instructor has closed the assignment, you will not have access to change your answers but you can review the assignment at any time.
   - Each assignment is not closed until after the corresponding test deadline has passed. Therefore, homework assignments may be completed late without penalty or you may go back and improve your score before taking the test, even though the assignment may be listed as “past due”.

3. **QUIZZES.** The Skills Check assignments will calculate as a quiz grade.
   - You will have 2 attempts at each Skills Check.
   - Hard deadlines so you must complete the quizzes on or before the given deadline date.
   - Each chapter also includes a quiz.
   - You will have 2 attempts on each chapter quiz. You must earn at least 80% on each corresponding homework assignments or 80% of the mastery points from the Study Plan to unlock the second attempt.

4. **TAKE THE PRACTICE TEST.**
   - Each Practice Test is a prerequisite for the actual test and you must score at least 70% before you can take the actual exam.
   - 3 attempts on each test.
   - The Practice Tests are designed to give you an idea of some of the more challenging problems that will be on the actual exam.
   - Learning Aids are not available.
   - Do not use these tests as the only means for studying for the exams. You should review your homework assignments and complete the suggested the chapter review.
   - If you are unable to earn 70% on the Practice Test after 2 attempts you can review the homework assignments or work recommended problems from the Study Plan.
   - Be sure to show all work for all problems worked in your notebook!
5. **TAKE THE TEST.**
   - Each test is locked until you earn at least **70% on the Practice Test**.
   - Pay close attention to the deadlines that have been provided on your course calendar.
   - You must be sure to take the exams on or before the deadline.
   - Each exam will be timed.
   - You will have 2-3.5 hours to complete the exam and you will only be able to take the exam one time.
   - Allot the appropriate amount of time to complete each exam and make sure that you will not be interrupted.

6. **TAKING THE FINAL EXAM.** The final exam is a comprehensive exam that can be taken online or using one of the computers in the Brookhaven College Math Lab or Student Computer Lab (J-Lab). **You must score at least 60% on the final exam to pass the course with a C or better.**

If for some reason you can't log into [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com) or you experience slowness while doing your homework, you can use the MyMathLab Alternate Login. Go to [www.mathxl.com](http://www.mathxl.com). On the right hand side, click the link for the MyMathLab login (Do NOT login under the MathXL Established User). In the center of the page, you'll see a place for you to enter your MyMathLab login name and password. Enter your MyMathLab login name and password click Enter MathXL. Then you can select the Homework and Tests menu under Student.

Please note this course has been designed for you to complete all of the assignments online. However, you must have access to a computer and the Internet. If problems persist with your computer or Internet service, you may be asked to come to campus to complete your assignments. Not having a working computer or access to the Internet will not excuse you from the assignments. There are two computer labs on the Brookhaven College campus for you to complete your assignments should your computer fail or you experience an interruption in service from your Internet Service Provider. You can complete your assignments using the computers in the Brookhaven College Math Lab (K-137) or in the student computer lab (J-122). If you experience continuous problems with your home computer that interferes with completing the assignments on time, you will be asked to come to campus or find a reliable source/computer/lab to complete the assignments.

**EVALUATION OF GRADE:**
Assessment of your performance will be based upon scores from exams, homework assignments, practice tests, and the final exam. Your final grade for MATH 2342 will be based upon the following scale:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework Assignments</td>
<td>10%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
</tr>
<tr>
<td>Tests (4 tests)</td>
<td>60%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>15%</td>
</tr>
</tbody>
</table>

You can view your grades by click on the “Tools” icon on the left side of your screen in the Pearson MyStatLab classroom. You should see an Icon entitled “Gradebook.” This gradebook will only display your grades from homework, tests, and projects that were completed in the MyStatLab classroom.
Averages are interpreted as follows:

- **A** 90 - 100% (weighted average on all work)
- **B** 80 - 89% (weighted average on all work)
- **C** 70 - 79% (weighted average on all work)
- **D** 60 - 69% (weighted average on all work)
- **F** less than 60%

Incomplete grades are given when unforeseen emergency prevents a student from completing the work in a course. The division Dean must approve all "I" grades.

Grade reports are no longer mailed to students. You can log on to eConnect at [www.econnect.dcccd.edu](http://www.econnect.dcccd.edu) to check your official grade once the course has ended. Officially grades will be reported no later than 3 business days after the course has officially ended.

**HELP AND AVAILABLE RESOURCES:**

- If you need help navigating through the MyStatLab Interactive website, go to the Announcements page and there you will find a link to Online Student Help (you reviewed these documents when you completed the items on the “Getting Started” handout).

- MyStatLab contains a Study Plan that has optional practice problems and quizzes over each objective.

- Don’t forget, *MyStatLab* includes 30 minutes of FREE access to the Pearson Tutor Center. You can access the tutor center through the link located on the main menu. I hope each and every one of you take advantage of this service.

- Brookhaven College has a Math Lab that offers free assistance and other resources to students enrolled in this course. The lab is equipped with computers with appropriate plug-ins and Internet access so that video lectures can be viewed and homework can be done in the lab. You should not depend on the lab entirely to complete work for this course, you should have your own personal computer with the appropriate Internet access. **However, the Math Lab is available if you experience temporary technical problems with your personal computer, or you are own campus and would like to get some of your work done. Not being able to complete assignments because you don't have a working computer is not a valid excuse. If your personal computer is not working for an extended period of time, you will be asked to come to campus to complete your assignments. Extensions will not be given for this reason.**

  The Lab is located in K137. Math Lab hours are: Monday through Thursday 9:00 AM – 8:00 PM, Friday 10:00 AM – 2:00 PM and Saturday 12:00 PM – 4:00 PM (these hours are subject to change).

  If you experience technical problems while using MyStatLab, you may contact Technical Support at [http://www.mathxl.com/support/contactus.htm](http://www.mathxl.com/support/contactus.htm) for live CHAT or email support or you can call (800) 677-6337 for phone support.
**IMPORTANT DATES:**

- January 19(M): Martin Luther King, Jr Holiday
- January 20(T): Classes Begin
- February 2(M): 12th Class Day
- February 19(R): Conference Day- day and evening classes will not meet.
- February 20(F): Professional Development Day- Friday day classes will not meet. Friday evening, Saturday and Sunday classes will meet.
- February 23(M): Classes Resume
- February 28(S): Last Day to Withdraw
- March 9-13(M-F): Spring Break- College buildings & offices will be closed for the week.
- March 16(M): Classes Resume
- April 3(F): Holiday
- April 16(R): Classes Resume
- May 11-14(M-R): Final Exams
- May 14 (R): Semester Ends

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### MATH 2342-ASSIGNMENT CALENDAR-8 WEEK

<table>
<thead>
<tr>
<th>WEEK</th>
<th>SECTION/LESSON</th>
<th>DEADLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 1 01/20/15</td>
<td>Complete items on the <em>Getting Started</em> handout including but not limited to <em>How to Enter Answers</em> and the <em>Readiness Quiz</em>&lt;br&gt;&lt;br&gt;If you did not purchase a hard copy of the textbook and will be using the multimedia textbook, you will need to have printed copies of the following: Formulas and Tables Fold Out Card and Table A-1.</td>
<td>Complete by 01/20/15</td>
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**WEEK 1 01/20/15**

- **Unit I: Introduction & Descriptive Statistics (Ch 1-3):**
  - **Chapter 1 - Introduction to Statistics**
    - Lesson 1.1: Review & Preview
    - Lesson 1.2: Statistical Thinking
    - Lesson 1.3: Types of Data
    - Lesson 1.4: Critical Thinking
    - Lesson 1.5: Collecting Sample Data
    - Lesson 1.6: Introduction to the TI-83/84 Plus Calculator<br><br>Complete the following exercises from your textbook. These exercises will help to reinforce the use of your graphing calc and its basic functions: pp.42-43 #2, 3-23(odd), & #26

- **Chapter 2 - Summarizing and Graphing Data**
  - Lesson 2.1: Review & Preview
  - Lesson 2.2: Frequency Distributions (p.59 #1-4)
  - Lesson 2.3: Histograms (p.64 #1-4)
  - Lesson 2.4: Statistical Graphics (pp.73-74 #1-4)<br><br>(omit ojives, dot plots, stem plots)<br><br>Lesson 2.5: Critical Think: Bad Graphs (p.79 #1-4)<br><br>Prepare for quiz by working recommended problems from the Study Plan for Chapters 1 and 2.

- **Quiz #1 (Chapters 1 & 2)**

  1.2 Homework due 01/22/15  
  1.3 Homework due 01/22/15  
  1.4 Homework due 01/22/15  
  1.5 Homework due 01/22/15  
  2.2 Homework due 01/22/15  
  2.3 Homework due 01/22/15  
  2.4 Homework due 01/22/15  
  2.5 Homework due 01/22/15

- **Quiz #1 due 01/24/15**
<table>
<thead>
<tr>
<th>WEEK 2</th>
<th><strong>Chapter 3 - Statistics for Describing, Exploring and Comparing Data</strong></th>
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<tbody>
<tr>
<td><strong>01/26/15</strong></td>
<td>Lesson 3.1: Review &amp; Preview</td>
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<td>Lesson 3.2: Measures of Center</td>
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<td>Lesson 3.3: Measures of Variation</td>
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<td></td>
<td>Lesson 3.4: Measures of Relative Standing &amp; Boxplots</td>
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<tr>
<td></td>
<td>Prepare for quiz by working recommended problems from the Study Plan for Chapter 3.</td>
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<tr>
<td></td>
<td><strong>Quiz #2 (Chapters 3)</strong></td>
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</tbody>
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<tr>
<th>WEEK 3</th>
<th><strong>Complete Unit I Review for Test 1.</strong> This assignment can be found under the <em>Take a Test</em> menu. Remember this review is a prerequisite Test 1 and you must score at least 70% on this test before you can take Test 1.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>02/02/15</strong></td>
<td>Work recommended problems from the Study Plan if you are unable to earn at least 70% on the Practice Test. You will need to earn at least 80% of the mastery points to unlock the test.</td>
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<tr>
<td></td>
<td>Unit I (Test 1) will cover Chapters 1-3</td>
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<td><strong>Quiz #2 due 01/31/15</strong></td>
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| **Unit II-Probability & Probability Distributions (Ch 4 & 5):** |
| **Chapter 4 - Probability** |
| Lesson 4.1: Review & Preview  |
| Lesson 4.2: Basic Concepts of Probability  |
| Lesson 4.3: Addition Rule  |
| Lesson 4.4: Multiplication Rule-Basics  |
| **Omit Sections 4.5-4.8**  |
| Prepare for quiz by working recommended problems from the Study Plan for Chapter 4.  |
| **Quiz #3 (Chapter 4)**  |

| **Chapter 5-Discrete Probability Distributions** |
| Lesson 5.1: Review & Preview  |
| Lesson 5.2: Random Variables  |
| Lesson 5.3: Binomial Probability Distributions  |
| Lesson 5.4: Mean, Variance, and Standard Deviation for the Binomial Distribution  |
| **Omit 5.5**  |
| Prepare for quiz by working recommended problems from the Study Plan for Chapter 5.  |
| **Quiz #4 (5.1-5.4)**  |

| **Complete Unit II Review for Test 2.** Remember this review is a prerequisite Test 2 and you must score at least 70% on the review before you can take the test.  |
| **Unit II (Test 2) will cover Chapters 4 & 5**  |

| **Quiz #3 due 02/02/15**  |
| **Quiz #4 due 02/09/15**  |

| **Take Unit II Test (Test 2)** by due 02/11/15  |
### WEEK 4  02/09/15

**Unit III: Normal Probability Distribution (Chapter 6)**  
*Chapter 6 - Normal Probability Distributions*  
- Lesson 6.1: Review & Preview  
- Lesson 6.2: The Standard Normal Distribution  
- Lesson 6.3: Applications of Normal Distribution  
- Lesson 6.4: Sampling Distributions and Estimators  

**Quiz #5 (6.1-6.4)** - Prepare for quiz by working recommended problems from the Study Plan for Chapter 4.  
- Lesson 6.5: The Central Limit Theorem  
- Lesson 6.6: Normal as Approximation to Binomial  

Omit 6.7

### WEEK 5  02/16/15

**Complete Unit III Review for Test 3.** This assignment can be found under the *Take a Test* menu. Remember this review is a prerequisite for which you must score at least 70% before you will be granted access to take the test.  
**Unit III (Test 3) will cover Chapter 6**

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**Unit IV: Estimates & Hypothesis Testing (Ch 7 & 8)**  
*Chapter 7 - Estimates and Sample Sizes*  
- Lesson 7.1: Review & Preview  
- Lesson 7.2: Estimating a Population Proportion  
- Lesson 7.3: Estimating a Population Mean - σ Known  
- Lesson 7.4: Estimating a Population Mean - σ Unknown  

Omit 7.5

Prepare for quiz by working recommended problems from the Study Plan for Chapter 7.  
**Quiz #6 (7.1-7.4)**

### WEEK 6  02/23/15

**Chapter 8: Hypothesis Testing**  
- Lesson 8.1: Review & Preview  
- Lesson 8.2: Basics of Hypothesis Testing  
- Lesson 8.3: Testing a Claim About a Proportion  
- Lesson 8.4: Testing a Claim About a Mean - σ Known  
- Lesson 8.5: Testing a Claim About a Mean - σ Unknown  

Omit 8.6

Prepare for quiz by working recommended problems from the Study Plan for Chapter 4.  
**Quiz #7 (8.1-8.5)**
<table>
<thead>
<tr>
<th>Week</th>
<th>Assignment Details</th>
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</table>
| Week 7 | **03/02/15** Complete Unit IV Review for Test 4. This assignment can be found under the Quizzes/Tests menu. Remember this review is a prerequisite for which you must score at least 70% in order to gain access to the test. **Unit IV (Test 4) will cover Chapters 7 and 8.**  
**Unit V (Chapters 10-12):**  
**Chapter 10—Correlation and Regression**  
Lesson 10.1: Review & Preview  
Lesson 10.2: Correlation  
Lesson 10.3: Regression  
Lesson 10.4: Variation and Prediction Intervals  
Prepare for quiz by working recommended problems from the Study Plan for Chapter 4.  
**Quiz #8 (10.1–10.4)** |
| | **03/04/15** Unit IV Review due by 03/04/15  
**Take Unit IV Test (Test 4) by 03/05/15** |
| | **03/09/15** SPRING BREAK |
| Week 8 | **03/16/15** Study for Final Exam  
Complete Final Exam Review in MyStatLab  
**Quiz #8 due 03/17/15** |
| | **03/16/15** Complete Final Exam Review by 03/16/15  
Take Final Exam on or before 03/20/15 |