## Fall 2014 MATH1680.006 Elementary Probability and Statistics

| INSTRUCTOR: Marc Grether | OFFICE: GAB 416 |
| :--- | :--- |
| EMAIL: grether@unt.edu Include course <br> name, number and section and your full name <br> in the subject header. Email without this <br> information may not get opened. I do not use <br> the Blackboard email. | OFFICE PHONE: (940) 565-4701 (email preferred) |
| OFFICE HOURS: MWF: noon-2, Tues: 9:30-1:30 <br> other times by appointment only | CLASS MEETS: CURY 104 MWF 10-10:50 AM |
| FINAL EXAM DATE AND TIME: Friday <br> December 12th from 8:00 AM - 10:00 AM <br> http://registrar.unt.edu/exams/final-exam-schedule | UNT MATH TUTOR LAB (GAB 440): <br> Go to Website: <br> www.math.unt.edu/mathlab for <br> information. Opens Sept. 2. |
| COURSE DESCRIPTION: MATH 1680 (MATH 1342 or MATH 1442) 3 hours Introductory course to serve <br> students of any field who want to apply statistical inference. Descriptive statistics, elementary <br> probability, estimation, hypothesis testing and small samples. Prerequisite(s): Two years of high school <br> algebra and one year of high school geometry and consent of department, or MATH 1010 with grade of C <br> or better. Students may not receive credit for both MATH 1680 and MATH 1681. |  |
| Blackboard Learn (http://learn.unt.edu): You will access your math course platform from within <br> Blackboard Learn. The course content (assignments, help tools, textbook, etc.) will be delivered in <br> MyStatLab of PearsonMyLabandMastering which is accessed through Blackboard Learn after you login. |  |
| Students must register in MyStatLab (MSL) by the 2nd class of semester. You must purchase MSL by <br> the end of the temporary 14-day access period. Students who do not purchased MSL by the end of the <br> temporary access may lose credit for all work previously completed in MSL AND be administratively <br> dropped with the possibility of no refund. Students will NOT be given extensions for any missed <br> assignments for any reason. Not having access to MSL is not an exception. |  |

PRINT TEXTBOOK is OPTIONAL: Intro Stats, $4^{\text {th }}$ Edition, DeVeaux, Velleman, Bock. The textbook in electronic form is included in MSL. MSL may be purchased packaged with textbook, as a stand-alone or directly online at the time of registration.

## CAMPUS INTERNET ACCESS:

UNT has many general access computer labs for students, see
http://www.gacl.unt.edu/.

## ONLINE TUTORING:

The UNT Learning Center offers an online tutoring system using the AskOnline platform. Go to www.unt.edu/lc, and select the online tutoring button located along the top of the page.

GRAPHING CALCULATOR: TI 83, TI 83 Plus, TI 84, TI 84 Plus or equivalent, their use will be supported in class. Examples of calculators not allowed: TI-Nspires, TI 89's, TI 92's, laptops, iPhones or any other utility with alphanumeric/CAS capabilities or online/cell access ARE NOT permitted, including phones. A calculator may not be shared during an exam.
ATTENDANCE POLICY: Class attendance is mandatory. Students are responsible for all information given in class, regardless of his/her attendance. Starting Monday, Oct 6, students may be administratively dropped from the course for nonattendance with a grade of WF. The last day a student may be dropped for nonattendance is Friday, Nov 21. Four or more absences constitute nonattendance.

EVALUATION:

| EVALUATION: |  |
| :--- | :--- |
| Homework | $15 \%$ |
| Quizzes | $10 \%$ |
| Average of 3 in class exams | $60 \%$ |
| Final Exam | $15 \%$ |

## GRADE ASSIGNMENT:

A: $[90 \%, \quad$ ) $\mathrm{B}:[80 \%, 90 \%) ; \mathrm{C}:[70 \%, 80 \%) ; \mathrm{D}:$ $[60 \%, 70 \%) ; \mathrm{F}:[0 \%, 60 \%), 59 \%$ is an F .

A grade of C or better is required for this course to serve as prerequisite for any math course.

Student grade is determined solely by his/her performance on the evaluation criteria. Grades are not wages; they are not intended to reflect how hard you've worked or the goodness of your intentions. Grades reflect your proficiency of the course content as you have demonstrated them on the evaluation criteria. Expect no extra credit or bonus assignments.
FINAL GRADE: Students may access their course grades online at: my.unt.edu. Grades posted in MyStatLab are for your record-keeping purposes only. Your final course grade is determined by the criteria explicitly stated on this syllabus.

Following are schedule dates of which you need to be aware. Please review these dates and note:
AUGUST 25, MONDAY: Classes begin.
AUGUST 29, FRIDAY: Last day to add/swap a class. Cannot swap up to a higher level class, only down.
SEPTEMBER 1, MONDAY: Labor Day - No Classes, University Closed
SEPTEMBER 8, MONDAY: Last day to drop a course and receive refund. Drops after this date require instructor's written consent.
SEPTEMBER 9, TUESDAY: Beginning this date a student who wishes to drop a course must first receive written consent of the instructor.
OCTOBER 3, FRIDAY: Last day to drop a course or withdraw from the university with a grade of " $W$ " for courses that a student is not passing; after this date a grade of "WF" may be recorded.
OCTOBER 6, MONDAY: Beginning this date instructors may drop students with a grade of "WF" for nonattendance. (Your attendance policy must be written on your syllabus in order to drop students for nonattendance.)
NOVEMBER 3, MONDAY: Last day to drop a course with consent of instructor.
NOVEMBER 10, MONDAY: Beginning this date a student may request a grade of " l ", incomplete, a nonpunitive grade given only if a student (1) is passing, (2) has justifiable reason why the work cannot be completed on schedule; and (3) arranges with the instructor to complete the work.
NOVEMBER 21, FRIDAY: Last day for an instructor to drop a student with a grade of "WF" for nonattendance. Last day to withdraw from the semester.
NOVEMBER 27, THURSDAY - 30, SUNDAY: Thanksgiving - University closed.
NOVEMBER 29, SATURDAY - DECEMBER 5, FRIDAY: Pre-final week. Friday, December 5, is Reading Day - no classes
DECEMBER 6, SATURDAY - DECEMBER 12, FRIDAY: Final examinations. Terms ends.
DECEMBER 13, SATURDAY: Commencement.

Academic Dishonesty: Cheating on final exams, on in-class tests, or on quizzes is a serious breach of academic standards and will be punished severely and generally result in a student failing the course. All work done on inclass exams and quizzes must represent only the student's own work, unless otherwise stated in the directions. See http://vpaa.unt.edu/academic-integrity.htm for details on academic integrity at UNT.

Attendance: Class attendance is mandatory. Missing any portion of class (lecture or lab) is considered absence from the entire class. My email may NOT be used in lieu of attendance. Students are responsible for all information given in class, regardless of his/her attendance. This includes knowing exam dates and homework assignments. If you miss a class, it is your responsibility to learn of all the important stuff you missed. Exchange contact information with several members of your class; so that you will have multiple sources contact in case of a personal emergency. Six or more absences in lecture constitute non-attendance; for which a student may be administratively dropped for non-attendance with a grade of WF. Attendance is a required component of the Lab portion of this course. To receive credit for attendance you must arrive to the lab by the start time and work the entirety of the one hour and fifty minutes in your math platform. No partial credit will be given for partial attendance. Two or more absences in lab constitute non-attendance; in which a student may be administratively dropped for non-attendance.

Classroom Etiquette: Appropriate behavior is expected of all students taking this course. Arrive to class promptly and do not leave until the scheduled ending time of the class. If you must arrive late or leave early, please do so as discreetly as possible and take a seat near an exit. Turn off all non-medical electronic devices such as pagers, cell phones, laptops, etc. Take off the headphones. Do not read newspaper or work on unrelated assignments during class. I prefer that you not eat during class. You will be asked to leave the classroom if you access an electronic messaging device during class AND it will be counted as an absence.

Course Requirements: As a general rule, average college students are expected to spend a minimum of three (3) hours per week for each one (1) hour of class working on the course to be able to successfully learn the content. If you are an "average" college-level learner, you should spend at least nine (9) hours per week if you expect to successfully complete this course. Adjust for more (or less) hours to accommodate your learning level.

Drop Policy: If the student is unable to complete this course, it is his/her responsibility to formally withdraw from the course. The student may do so through the Registrar's Office after obtaining the necessary signatures. Consents for withdrawal and all necessary signatures may be obtained in the Math Department Office, GAB 435. The last day to drop a class with an automatic "W" is Mon, Sept 8. The last day to drop a class with "W" or "WF" is Mon, Nov 3. "WF" is averaged into your GPA as an "F." If the student does not properly withdraw from the course but stops attending, s/he will receive a performance grade, usually an F .

Exams: Three in-class exams are planned for this semester. Count your points on exams to be sure the totals are correct. Keep a record of all your scores. Check your written exam grade with the grade posted in Blackboard to ensure that they are the same. Average of the three exams is $60 \%$ of course grade. Content and tentative dates are listed on the calendar. If the final exam grade is higher than any of your in-class exams, the final grade will replace the lower grade.

## Exam Etiquette:

- Place all papers, textbook, notes, etc. in a backpack or a book bag and close it securely.
- Turn off all electronic devices (unless medically necessary), this includes cell phones, pagers, etc.
- Handling of ANY such electronic devices during an exam will be construed as cheating (receiving unauthorized aid) and may result in a zero for that exam.
- Do not wear HATS or CAPS during exams.
- Do not share any materials during an exam. This includes, but is not limited to pencils, erasers, calculators, etc.
- Only approved calculators during an exam. You may have both a scientific and a graphing calculator. It is your responsibility to know how to work the calculator(s) you bring to a test.
- Have only the exam, pencil, eraser and calculator out during an exam. Plenty of work-space is provided on the actual exam. You will not be permitted to have any scratch paper during an exam.

Final Exam: Friday December 12 ${ }^{\text {th }}$ from 8 AM-10AM. Your final exam will be administered in our regular classroom. The dates and times are for all finals are posted online at: http://registrar.unt.edu/exams/fall. The final exam is comprehensive and is worth at least $15 \%$ of the course grade.

Grade Assignment: The student course grade is assigned according to the evaluation criteria and grading assignment stated on this syllabus. The grade is completely objective and is determined solely by student performance on each of the evaluation criteria (in-class exam grades, on-line homework and quizzes and the final exam). Grades reflect your proficiency of the course content as you have demonstrated them on the evaluation criteria. Do not expect extra credit work or bonus grade assignments. Please take special note that "extra credit," "hiring tutors," "needing it for scholarship," "I didn't know what was required," "tried really hard," etc. are NOT any part of the grade assignment process.

Homework: Most of your homework assignments will be administered through MyStatLab (MSL); you may also have occasional "paper" and "in-class" assignments which evaluate as a homework grade. MSL is the required online course delivery platform. All regular online homework assignments are set for the first exam. The remaining assignments will be released after the appropriate exam. You will typically have one or two online HW assignments each week due 30 minutes before class. I suggest you complete your assignments at least the day before each due date when possible. You have five (5) attempts per problem-type for each online problem in MSL. Using the "Help Me Solve It" feature uses one attempt. Use the attempts carefully so that you can earn a $100 \%$ on each assignment. NO LATE HOMEWORK will be accepted for any reason whatsoever. A grade of zero will be assigned to any homework assignment not completed online and submitted by the due date and time. Specifically, due dates will NOT be extended for any reason. NO EXCEPTIONS. If you are prone to circumstances that affect your ability to meet your obligations, work ahead. Technical difficulty, including loss of internet access, is not an excuse for not completing assigned work. Homework assignments are worth $15 \%$ of the course grade.

Incomplete, the Grade of: Beginning Monday, Nov 11, a student that qualifies may request a grade of " I ", incomplete. An "I" is a non-punitive grade given only if ALL three of the following criteria are satisfied. They are:

1) The student is passing the course;
2) The student has a justifiable (and verifiable) reason why the work cannot be completed as scheduled; and
3) The student arranges with the instructor to complete the work within one academic year.

## Learning Objectives:

Upon successful completion of Elementary Probability and Statistics, the student will be able to:

- Explain the use of data collection and statistics as tools to reach reasonable conclusions.
- Recognize, examine and interpret the basic principles of describing and presenting data.
- Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics.
- Explain the role of probability in statistics.
- Examine, analyze and compare various sampling distributions for both discrete and continuous random variables.
- Describe and compute confidence intervals.
- Solve linear regression and correlation problems.
- Perform hypothesis testing using statistical methods.

Make-up Exam Policy: NO MAKE-UP EXAMS WILL BE GIVEN. An exam may be taken prior to the scheduled date. You must request for this accommodation via email at least one week prior to day you wish to take the early exam. In the event of a schedule conflict with a university function, dental/physician's appointment, wedding, formal, or whatever, the student must take the test early. If a student does not take a scheduled exam, a zero will be recorded for that exam and an academic alert notice will be filed.

There are three in-class exams. If your final exam score is higher than one of your in-class exam scores, then that in-class exam grade will be replaced with final exam grade. If you miss an in-class exam, a zero will be recorded for that exam grade and your final exam score will replace that one zero. If you receive a zero for cheating on an exam, the final exam score will NOT replace that zero. Again, NO MAKE-UP EXAMS WILL BE GIVEN FOR ANY REASON.

Progress Reports: Students needing progress reports completed/signed for athletics, scholarships and/or any other organization must attend office hours to get them completed.

Quizzes (Online): All MSL quizzes for the term are immediately available; due dates and times for all quizzes are posted in MSL. You will typically have one or two online quizzes each week due on 30 minutes before class. You have five (5) attempts per problem-type for each online problem in MSL without any help feature. Again, NO LATE QUIZZES and all quizzes are worth $10 \%$ of the course grade. The purpose of the quizzes are as reviews for the exams or mini-exams. You should do them with no notes or other "helps". Use the feedback from them to determine areas for additional study. (Note: Other sections of this course refer to the quizzes as RAs)

Recommended Keys to Success/Expectations: Success in math classes requires a great deal of time and honest effort outside of class along with punctual attendance. You are expected to come to each class on time and stay the entire class. You are responsible for everything that happens in class. You should come to each lecture and come prepared. Spend an hour (or two) after each lecture reviewing the lesson and working on homework problems. Use the UNT Math Tutor Lab; form a learning group with a few classmates for accountability and meet with them regularly.

Math is not a spectator sport. You will not learn mathematics from watching the instructor or friends display ideas and solve problems. You must try the problems, finish problems, ask questions, correct your mistakes, put concepts in your own words, and practice, practice, practice!! An increase in effort usually results in increase in success.

Student Behavior: Student behavior that interferes with an instructor's ability to conduct a class or other students' opportunity to learn is unacceptable and disruptive and will not be tolerated in any instructional forum at UNT. Students engaging in unacceptable behavior* will be directed to leave the classroom and the instructor may refer the student to the Center for Student Rights and Responsibilities to consider whether the student's conduct violated the Code of Student Conduct. The university's expectations for student conduct apply to all instructional forums, including university and electronic classroom, labs, discussion groups, field trips, etc. The Code of Student Conduct can be found at www.unt.edu/csrr. *Texting or using any electronic messaging devices during class, except for class purposes, is not acceptable behavior and is grounds for disciplinary action.

Student Evaluation of Teaching Effectiveness: The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. Please be sure to complete this important survey for all of your UNT courses.

## Statement regarding use of email and attendance:

- Email may not be used in lieu of attendance. It is primarily for emergencies. YOU MUST ATTEND class to obtain course-related information. Content related questions will be addressed during office hours and scheduled appointments.
- I will only reply to email sent from emails that include your full name, course name, number and section number in the subject header.
- YOU are responsible for attending the required class meetings as stated in the course schedule guide.


## If you have technical difficulties with MyStatLab, call 1-800-677-6337 MyStatLab Homework Tips

- Find a relatively quiet, distraction-free place with internet connection. Commit to NOT surfing the internet while working on math (or any assignment for that matter).
- Keep a notebook for online assignments, both homework and quizzes. Write problems just as you would if the homework is submitted on paper.
- You are given five attempts per problem-type. Use the attempts carefully so that you can earn $100 \%$ for each MSL homework assignment.
- MyStatLab has very useful features, including viewing videos, ActivStat animations and a feature called the, "Help Me Solve It." When you use the Help Me Solve It feature be sure to write out each of the guided steps and explanations.
- Using the "Help Me Solve It" feature uses one of your five attempts.
- You can circumvent using up an attempt when using the "Help Me Solve It" feature by going to the "Study Plan" file.
- Get help from tutors in the UNT Math Tutor Lab (GAB 440); SI's and from the "Help Me Solve It" feature in MSL; but continue to rework a similar exercise until you can do the exercises without any assistance. Only then will be ready to do well on an exam on that material.
- Prepare for tests by reviewing notes, writing your personal learning notes, reworking homework problems, and revisiting quiz questions. MyStatLab has a Study Plan option to help you focus your learning needs. Use it also to augment your learning process.
- Start preparing and reviewing for the final exam the first week of classes. Revisit previous homework assignments, review completed in-class exams.


## MyStatLab Quizzes Tips

- Find a relatively quiet, distraction-free place with internet connection. Commit to NOT surfing the internet while working on math (or any assignment for that matter).
- Keep a notebook for online assignments, both homework and quizzes. Write problems just as you would if the homework is submitted on paper.
- You are given five (5) complete attempts per quiz. No help sources available during a quiz, the highest score counts. Allow yourself time to take advantage of all three attempts. Use the attempts carefully so that you can earn $100 \%$ for each MSL quiz.
- Read the online textbook chapter that corresponds to the quiz first, prior to attempting the quiz.
- Write each quiz question and your answer. If you don't know the correct answer, write all answer choices given.
- Submit and review your quiz results. If you missed any questions; read your online textbook again for the correct answer and write the correct answer(s) in your no
- Retake the quiz.
- Start preparing and reviewing for the final exam the first week of classes. Revisit previous homework assignments, review completed in-class exams.


## Keep a positive attitude about your ability to succeed and work diligently towards that goal.

 NOTES:1) This syllabus is subject to change as the instructor deems necessary. Any/all changes will be announced during regular class time. It is the responsibility of the student to attend each scheduled class to be informed of these changes.
2) You are responsible for meeting all university deadlines, such as: registration, fee payment, drop deadlines, etc. Refer to online UNT Schedule of Classes and/or University Catalog for policies and dates.

|  | Monday | Wednesday | Friday |
| :---: | :---: | :---: | :---: |
| Week 1 | 8/25/2014 | 8/27/2014 | 8/29/2014 |
|  | Intro , 1.1What is Statistics , 1.2 Data | 1.3 Variables, 2.1 <br> Summarizing and Displaying <br> a Single Categorical Variable | 2.2 Exploring the Relationship Between Two Categorical Variable |
| Due 30 min before class |  | Print Ch 2 notes | Ch 1 HW |
| Week 2 | 9/1/2014 | 9/3/2014 | 9/5/2014 |
|  | Labor Day | 3.1 Displaying Quantitative <br> Variables, 3.2 Shape , 3.3 Center | 3.4 Spread , 3.5 Boxplots and 5Number Summaries |
| Due 30 min before class |  | Print Ch3 notes, CH 1 QZ | Ch 2 HW |
| Week 3 | 9/8/2014 | 9/10/2014 | 9/12/2014 |
|  | 3.6 The Center of Symmetric <br> Distributions: The Mean , 3.7 The <br> Spread of Symmetric <br> Distributions: The Standard <br> Deviation, 3.8 Summary-What <br> to Tell About a Quantitative <br> Variable | 4.1 Comparing Groups with Histograms, 4.2 Comparing Groups with Boxplots , 4.3 Outliers | 4.4 Timeplots: Order, Please! , 4.5 Re-expressing Data: A First Look, 5.1 Standardizing with z-Scores |
| Due 30 min before class | Ch 2 QZ | Ch 3 HW, Print Ch4 notes | Ch 4 HW, Ch 3 QZ, Print Ch5 notes |
| Week 4 | 9/15/2014 | 9/17/2014 | 9/19/2014 |
|  | 5.2 Shifting and Scaling, 5.3 Normal Model , 5.4 Finding Normal Percentiles | 5.5 Normal Probability Plot, 6.1 Scatterplots , 6.2 Correlation | 6.3 Warning: Correlation $\neq$ Causation, 6.4 Straightening Scatterplots |
| Due 30 min before class | Ch 4 QZ | Ch 5 HW, Print Ch6 notes | Ch 5 QZ, EX1ReviewQZ, Print Review |
| Week 5 | 9/22/2014 | 9/24/2014 | 9/26/2014 |
|  | Review | Exam 1 | 7.1 Least Squares: The Line of "Best Fit" , 7.2 The Linear Model , 7.3 Finding the Least Squares Line |
| Due 30 min before class |  |  | Ch 6 HW, Print Ch7 notes |
| Week 6 | 9/29/2014 | 10/1/2014 | 10/3/2014 |
|  | 7.4 Regression to the Mean , 7.5 Examining the Residuals , 7.6 R2-The Variation Accounted for by the Model | 8.1 Examining Residuals, 8.2 <br> Extrapolation: Reaching <br> Beyond the Data , 8.3 <br> Outliers, Leverage, and Influence | 8.4 Lurking Variables and Causation, <br> 8.5 Working with Summary Values, <br> 9.1 What is Randomness? |
| Due 30 min before class | Ch 6 QZ, Print Ch8 notes | Ch 7 HW, Print Ch8 notes | Ch 7 QZ, Print Ch9 notes |
| Week 7 | 10/6/2014 | 10/8/2014 | 10/10/2014 |
|  | 9.2 Simulating By Hand, 10.1 The Three Big Ideas of Sampling, 10.2 Populations and Parameters | 10.3 Simple Random <br> Samples, 10.4 Other <br> Sampling Designs, 10.5 <br> From the Population to the <br> Sample: You Can't Always <br> Get What You Want | 10.6 The Valid Survey, 10.7 Common Sampling Mistakes, or How to Sample Badly, 11.1 Observational Studies |
| Due 30 min before class | Ch 8 HW, Print Ch10 notes | Ch 8 Qz, Ch 9 HW | Ch 9 QZ, Print Ch 11 notes |


|  | Monday | Wednesday | Friday |
| :---: | :---: | :---: | :---: |
| Week 8 | 10/13/2014 | 10/15/2014 | 10/17/2014 |
|  | 11.2 Randomized, Comparative Experiments, 11.3 The Four Principles of Experimental Design , 11.4 Control Treatments | 11.5 Blocking , 11.6 <br> Confounding, 12.1 Random Phenomena | 12.2 Modeling Probability , 12.3 Formal Probability , 13.1 The General Addition Rule |
| Due 30 min before class | Ch 10 HW | Ch 10 QZ, Print Ch 12 and 13 notes | Ch 11 HW |
| Week 9 | 10/20/2014 | 10/22/2014 | 10/24/2014 |
|  | 13.2 Conditional Probability and the General Multiplication Rule | Review | Exam 2, 13.3 Independence |
| Due 30 min before class | Ch 11 Qz | EX2ReviewQZ, Print Review |  |
| Week 10 | 10/27/2014 | 10/29/2014 | 10/31/2014 |
|  | 13.4 Picturing Probability: Tables, Venn Diagrams and Trees, 13.5 Reversing the Conditioning and Bayes' Rule | 14.1 Expected Value: Center , 14.2 Standard Deviation | 14.3 Combining Random Variables, 14.4 The Binomial Model |
| Due 30 min before class | Ch 12 HW | Ch 12 QZ, Print Ch14 notes | Ch 13 HW |
| Week 11 | 11/3/2014 | 11/5/2014 | 11/7/2014 |
|  | 14.5 Modeling the Binomial with a Normal Model , *14.6 The Poisson Model | 14.7 Continuous Random Variable, 15.1 Sampling Distribution of a Proportion | 15.2 When Does the Normal Model Work? Assumptions and Conditions, 15.3 The Sampling Distribution of Other Statistics |
| Due 30 min before class | Ch 13 QZ | Print Ch15 notes | Ch 14 HW |
| Week 12 | 11/10/2014 | 11/12/2014 | 11/14/2014 |
|  | 15.4 The Central Limit Theorem: <br> The Fundamental Theorem of Statistics, 15.5 Sampling <br> Distributions: A Summary | 16.1 A Confidence Interval , 16.2 Interpreting Confidence Intervals: What Does 95\% Confidence Really Mean? | 16.3 Margin of Error: Certainty vs. Precision, 16.4 Assumptions and Conditions |
| Due 30 min before class | Ch 14 QZ | Ch 15 HW, Ch 14 QZ, Print Ch16 notes | Ch 15 Qz |
| Week 13 | 11/17/2014 | 11/19/2014 | 11/21/2014 |
|  | 17.1 Hypotheses, 17.2 P-Values | 17.3 The Reasoning of Hypothesis Testing , 17.4 Alternative Alternatives | 17.5 P-Values and Decisions: What to Tell About a Hypothesis Test |
| Due 30 min before class | Ch 16 HW, Print Ch17 notes | CH 16 QZ |  |
| Week 14 | 11/24/2014 | 11/26/2014 | 11/28/2014 |
|  | Review | Review | Thanksgiving |
| Due 30 min before class | Ch 17 HW, Print Review | Ch 17 QZ, EX3ReviewQZ | Thanksgiving |
| Week 15 | 12/1/2014 | 12/3/2014 | 12/5/2014 |
|  | Exam 3 | Review |  |
| Week 16 | 12/8/2014 | 12/10/2014 | 12/12/2014 |
|  |  | Finals Week |  |

Please answer the following questions so that I can get to know you Preferred Name (What you would like for me to call you? What is your nickname)

Legal Name (What should be on my roll? Full, complete, first and last name)

Contact Information (How can I reach you if there is an emergency? E-mail, home phone, cell phone, For the number "zero," use " $\oslash$ " For the letter "o," use "о.")

Do you own a cell phone with an unlimited texting plan? Yes No (circle one)
Math History (What math classes have you taken in high school or college?)

What is your major?

Are you absolutely certain that this course satisfies your current degree requirements?
Yes No (circle one)
If you are considering a major change, will this course meet the requirements of the new major?

Yes No (circle one)
What is your career goal?

What would you most like to learn in this course?

What else would you like for me to know about you? Do you have an interesting hobby or story about yourself to tell?

My schedule for working on this class will be (put an X in the boxes you will be working on this class). Be sure to fill in the times this class meets and at least 3 additional hours when you are not otherwise busy:

|  | Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 AM |  |  |  |  |  |  |  |
| 7 AM |  |  |  |  |  |  |  |
| 8 AM |  |  |  |  |  |  |  |
| 9 AM |  |  |  |  |  |  |  |
| 10 AM |  |  |  |  |  |  |  |
| 11 AM |  |  |  |  |  |  |  |
| 12 PM |  |  |  |  |  |  |  |
| 1 PM |  |  |  |  |  |  |  |
| 2 PM |  |  |  |  |  |  |  |
| 3 PM |  |  |  |  |  |  |  |
| 4 PM |  |  |  |  |  |  |  |
| 5 PM |  |  |  |  |  |  |  |
| 6 PM |  |  |  |  |  |  |  |
| 7 PM |  |  |  |  |  |  |  |
| 8 PM |  |  |  |  |  |  |  |
| 9 PM |  |  |  |  |  |  |  |
| 10 PM |  |  |  |  |  |  |  |
| 11 PM |  |  |  |  |  |  |  |

