

**2012 Spring MATH1680.009 (T/TH)
Elementary Statistics**

INSTRUCTOR: Koshal Dahal	OFFICE: GAB 441 Personal Site: www.math.unt.edu/~koshal
OFFICE HOURS: Mon: 2-3pm, Tue: 10-12pm, Fri: 11-12pm and by appointment only	CLASS MEETS: 2:00-3:20pm (T/TH), @ WH310
EMAIL: koshaldahal@my.unt.edu For emergencies, not in lieu of attendance. Allow two (2) business days for reply. Email must be sent from UNT domain. Include course name, number and section and your full name in the subject header.	FINAL EXAM: Thu., May 10, @ 1:30-3:30pm http://essc.unt.edu/registrar/schedule/spring/final.html UNT MATH TUTOR LAB (GAB 440): Go to Website: www.math.unt.edu/mathlab for information. Opens January 23.
COURSE DESCRIPTION: Introductory course to serve students of any field who want to apply statistical inference. Descriptive statistics, elementary probability, estimation, hypothesis testing and small samples. Satisfies the Mathematics requirement of the University Core Curriculum.	
TEXTBOOK and MyStatLab: <u>Intro Stats</u> , 3 rd Edition, DeVeaus, Velleman and Bock. MyStatLab (MSL) may be purchased packaged with textbook, as a standalone or directly online, at www.pearsonmylab.com . The MSL is a required online course delivery platform where students access and complete assignments. The MSL course ID for this course is: dahal34925	
WEB ACCESS MyStatLab REQUIRED: Students must register in MyStatLab (MSL) immediately; first assignment is due prior to 2 nd class. Students must purchase MSL by the end of the temporary access period. Students who have not purchased MSL by the end of the temporary access period may be administratively dropped with possibility of no refund. Students will NOT be given extensions for any missed assignments for any reason. Not having access to MSL is not an exception. Complete the MSL Introduction HW handout and then complete the first online HW.	
CAMPUS INTERNET ACCESS: The UNT has many general access computer labs for students, visit http://www.gacl.unt.edu/ .	ONLINE TUTORING: www.unt.edu/lc , select the online tutoring button located in the left column of the page. The link will direct you www.smarthinking.com
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 92'2 or any other utility with alphanumeric/CAS capabilities ARE NOT permitted. A calculator may not be shared during an exam & NO cell phone is allowed to use as a calculator 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, Feb 27, instructor may drop students with grade of WF for nonattendance till Friday, April 20. Four (4) or more absences constitute nonattendance.	
ACADEMIC DISHONESTY: Refer to the following university site for the official policy with regards to academic dishonesty. The web site is: http://vpaa.unt.edu/academic-integrity.htm	

EVALUATION CRITERION: Average of 3 in-class exams 45% MSL Homework 20% RA Quizzes 10% Final Exam 25%	GRADE ASSIGNMENT: A: [90%, 100%); B: [80%, 90%). C: [70%, 80%); D: [60%, 70%). F: [0%, 60%), Note: 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 MathStatLab are for your record-keeping purposes only. Your final course grade is determined by the criteria explicitly stated on this syllabus.	
<p style="text-align: center;">DISABILITY ACCOMMODATIONS:</p> It is the responsibility of students with certified disabilities to provide the instructor with appropriate documentation from the Dean of Students Office.	

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 the 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.

Summary of Key Dates for 2012 Spring:

January 17, Tuesday
Classes begin.

January 20, Friday
Last day to add or swap a class for 2012 Spring.

January 30, Monday
Last day to drop a course and receive some refund; Drops after this date require Instructor’s written consent.

February 24, 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.

February 27, Monday
Beginning this date instructors may drop students with a grade of “WF” for non-attendance.

March 9, Friday
Mid semester

March 19 – 25, Monday – Sunday

Spring Break!!

March 27, Tuesday

Last day to drop course with consent of instructor, grades of W or WF may be assigned.

April 9, Monday

Beginning this date a student may request a grade of “I”, incomplete, a non-punitive 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 instructor to complete the work within the following academic semester.

April 20, Friday

Last day for an instructor to drop a student with a grade of “WF” for non-attendance

May 4, Friday

Reading day, No Classes

May 5 – May 11, Saturday – Friday

Final examinations week: term ends.

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 in-class 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 may be counted as an absence. 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 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.

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.

Course Requirements:

As a general rule, average college students are expected to spend a minimum of two (2) 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 ten (10) 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 **Friday, February 24**. The last day to drop a class with "W" or "WF" is **Tuesday March 27**. "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. If you think that your work has been graded incorrectly, ask for a re-grade immediately after receiving the exam back. Your entire exam will then be re-graded, and you may lose points or gain points on any problem, including but not limited to the problem you ask about. Check your written exam grade with the grade posted in MSL to ensure that they are the same. Each exam is 15% of the course grade.

Content and dates are tentatively scheduled as follows:

EXAM 1: Chapters 1 – 7, **Week of Monday February 6**

EXAM 2: Chapters 8 – 15, **Week of Monday March 5**

EXAM 3: Chapters 16 – 21, **Week of Monday April 23**

The FINAL EXAM is comprehensive and may include the Chapter 22.

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, laptops etc.
- Handling of ANY such electronic devices during an exam will be construed as cheating (receiving unauthorized aid) and may result a big **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. NO cell phone is allowed to use as calculator.
- 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:

Your final exam will be administered in our regular classroom. The date and time are posted online at: <http://essc.unt.edu/registrar/schedule/spring/final.html> for UNT 2012 Spring final exams schedule. Look up the time and record it for your academic planning. The final exam is comprehensive and is 25% 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). The Grade reflects 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:

All homework assignments are delivered online and must be submitted online. The MyStatLab (MSL) online homework assignments for the entire term are all available; due dates and times are explicitly stated in MyStatLab. As a general rule, you have an online homework due by **noon** every Monday and Wednesday. 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.

During pre-finals week (**Friday, April 27, 5pm – Friday, May 4, 6am**) you will have the opportunity to complete three (3) replacement homework assignments. If you do not complete a homework assignment by the due date during the semester or do not perform as well as you would’ve liked, you will have the opportunity to replace up to three of those grades by successfully completing the optional replacement homework assignments. The MSL homework assignments are worth 20% of the course grade.

Incomplete, the Grade of I:

Beginning **Monday, April 9**, 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 the Elementary 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 a notice may be sent through the registrar's office.

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 the 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 NOT replace that one zero. If you provide a valid documented reason about missing the test to the instructor, within two business days from the missed test day, then the final exam score may replace that particular missed test zero. So do NOT miss any exams. 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 the office hours to get them completed.

Quizzes (Online):

The MyStatLab (MSL) online Reading Assessment (RA) Quizzes for the entire term are all available; due dates and times are explicitly stated in MyStatLab. As a general rule, you have a RA Quiz due by **noon every Tuesday and Thursday**. The RA Quizzes are reading comprehension intended for you to prepare for each lecture. You have three (3) complete attempts per Quiz. The online quizzes comprise 10% of the course grade.

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, and 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

Student Evaluation of Teaching Effectiveness (SETE):

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 UNT email accounts. You must include your full name, course name, number and section number in the subject header of your email.
- YOU are responsible for attending the required class meetings as stated in the course schedule guide.

Web Access:

Students must use the MyStatLab website, URL: www.pearsonmylabandmastering.com. Necessary information for using this site will be provided in the first day of class. It's about the MyStatLab (MSL) Registration and HW 1 handout.

Math1680 list of Chapters to be taught from the online course e-book by DeVeaux:

Chapters 1 – 22, where 10 and 22 are optional

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 RA 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 three complete attempts per quiz. No help sources available during a quiz. 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.
- The Reading Assessment quizzes measure your reading comprehension and analysis skills, not computation. If you're having difficulty with the quizzes, seek help from the Learning Center immediately!!
- 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.

MATHEMATICS IS NOT A SPECTATOR SPORT -- YOU MUST PRACTICE TO LEARN!!!

Wishing you a Great Semester ahead!!