MATH 1308 Elementary Statistical Analysis
Summer 2013 Syllabus UTA

INSTRUCTOR INFORMATION

Name	Mr. Jason Smith
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Office	PKH 317
Office Hours	M - TH 9:00 AM – 10:00 AM

COURSE INFORMATION

Course Number	MATH 1308-001
Credit Hours	3
Meeting Time	M - TH 10:30 AM – 12:30 PM
Room	PKH 103

From the undergraduate catalog: E-mail is a prime means for communication.

Therefore, the University has the right to send communications to students via e-mail and the right to expect that those communications will be received and read in a timely fashion. The Office of Information Technology (OIT) will assign all students an official University e-mail address. It is to this official address that the University will send e-mail communications. Students are expected to check their official e-mail account on a frequent and consistent basis to stay current with University communications. The University recommends checking e-mail daily in recognition that certain communications may be time-critical.

Required Textbook and Other Course Material

- **Required Textbook**: Statistics (4th edition); Freedman, Pisani and Purves.
  ISBN 0-393-92972-8
- **Required Notes**: "Math 1308 Supplementary Notes and Old Test Papers"
  (available at the UTA Bookstore)
- **Calculator capable of square roots**

Course Prerequisite: Math 1302 or Math 1315 or equivalent

Description of Course Content: Descriptive statistics, relationships between variables, interpretation of data and graphs, rudiments of probability, elementary statistical models, hypothesis testing, inference, and estimation.

Student Learning Outcomes

- Students will learn the basics of creating experiments to study measurable results
- Students should be able to use the normal curve to calculate the percentage of measurable results occurring and the chance of a measurable result occurring in an experiment
- Students will learn the basics of probability to further develop the chance of an event occurring during an experiment
- Students will be expected to analyze the normal curve using a variety of methods related to statistical theory

My Expectations of You:

- If you feel you are struggling, please talk to me during office hours.
- Attend every class
- Ask questions during lecture, before/after class, during office hours or e-mail me if you do not understand something.
- Read the chapter before the corresponding lecture.
- **Bring your textbook and supplemental notes to class.**
- Do the assigned practice problems immediately following coverage of the corresponding material in class. You will see similar problems on quizzes and exams.
- Bring your calculator and Scantron Form No. 882-E to classes and tests. **No sharing of calculator and no cell phone calculator during quizzes and tests.**
- **Arrive to class on time and remain in class until dismissed.** Arriving late and leaving early cause disruptions to the other students in the class and to me. Should you need to leave early for a valid reason, please notify me in advance
- **Students leaving class early may receive a zero on the previous quiz.**
- **Students causing disruptions such as talking without permission during a lecture will be forced to leave. Disruptions include, and are not limited to, talking in class, playing on your phone, sleeping in class.**
- No eating in class. No drinks in open containers.
- Silence all cell phones.

What You Should Expect

- An open environment dedicated to learning. I do not take kindly to disruptive students as it makes it difficult for students to concentrate and learn the material.
- This is an unconventional math class. You will be taught concepts and theories in addition to steps to calculate statistical information. The exercises/examples in this class are word problems. **It is equally important to understand the theory behind what you are doing, why you are doing it and how to do it.**
- A minimum of 10 hours outside of class each week in course-related activities (e.g. reading the textbook, studying for quizzes/exams, practicing related problems)
- Frequent quizzes to measure how well you understand the information from each chapter. Assume there will be a quiz every class. It is your responsibility to be prepared.
- Quizzes will be based on chapter readings, examples from lecture and/or practice problems
- 20 chapters of material to digest over the course of the semester
    - Due to the massive amount of material, there will generally be no days for review before tests
    - This class is designed to introduce new material during “dead week”.
- **Challenging exams – apply the knowledge you have learned to the situations on the test. Questions on the test may not be worded exactly as you see them in the book and are designed to make sure that you understand what you are doing rather than regurgitating a problem with different numbers from your notes.**
- Exams will cover theoretical concepts as well as contain problem solving activities. Questions over theoretical concepts may be true/false or multiple choice. Questions involving mathematical computations may be multiple choice or “show your work” style questions
- Extra credit is generally not given. If I decide to give extra credit, it is typically in the form of an unannounced quiz. Please do not ask for individual extra credit opportunities

Grading Scale:	90% - 100%	A
	80% - 89%	B
	70% - 79%	C
	60% - 69%	D
	0% - 59%	F

Grade Components:	Exam 1	25%	June 12
	Exam 2	30%	June 24
	Exam 3	35%	July 3
	Quizzes	10%	

Bring your Mav ID card, calculator and Scantron Form No. 882-E to each exam. No make-up quizzes or exams will be given. Quizzes may be given in class or on-line. In-class quizzes are unannounced. On-line quizzes will only be announced during class (therefore attendance is very important).

With valid reason (and documentation) for missing an exam, the missed exam grade will be replaced by the final exam grade. Otherwise, the missed exam grade will be zero. Quizzes missed for an excusable reason (with valid documentation) will be exempted.

Important Dates:

June 3	Classes start
June 6	Census Date
June 12	Exam 1
June 24	Exam 2
June 24	Last Day to Drop
July 3	Exam 3

Attendance Policy: Students are expected to attend each class meeting. Failure to do so may jeopardize your grade in the class as you will miss important concepts necessary for passing this class. You may also miss a quiz, thus resulting in a grade of zero for that quiz.

Drop Policy: Any student who drops the course on or before Friday, March 29 at 5 PM will receive a W. **Students must consult with their major advisor to drop a course.**

Student Support Services Available: The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit www.uta.edu/resources for more information.

Final Review Week: A period of five class days prior to the first day of final examinations in the long sessions shall be designated as Final Review Week. The purpose of this week is to allow students sufficient time to prepare for final examinations. During this week, there shall be no scheduled activities such as required field trips or performances; and no instructor shall assign any themes, research problems or exercises of similar scope that have a completion date during or following this week unless specified in the class syllabus. During Final Review Week, an instructor shall not give any examinations constituting 10% or more of the final grade, except makeup tests and laboratory examinations. In addition, no instructor shall give any portion of the final examination during Final Review Week. Classes are held as scheduled during this week and lectures and presentations may be given.

Americans with Disabilities Act: The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112 - The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "**reasonable accommodation**" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with **informing faculty at the beginning of the semester and in providing *authorized* documentation through designated administrative channels.**

If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are appropriately accommodated.

Academic Dishonesty: It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

"Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." (Regents Rules and Regulations, Part One, Chapter IV, Section 3, Subsection 3.2, Subdivision 3.22)

Grade Replacement and Grade Exclusion Policies: These policies are described in detail in the University catalog and can also be founded online at http://www3.uta.edu/catalog/content/general/academic_regulations.aspx#10 (scroll a little more than half way down the page).

Student Disruption: The University reserves the right to impose disciplinary action for an infraction of University policies. For example, engagement in conduct, alone or with others, intended to obstruct, disrupt, or interfere with, or which in fact obstructs, disrupts, or interferes with, any function or activity sponsored, authorized by or participated in by the University.

Drop for Non-Payment of Tuition: If you are dropped from this class for non-payment of tuition, you may secure an Enrollment Loan through the Bursar's Office.

Academic Integrity: All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Instructors may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted. Per UT System *Regents' Rule* 50101, §2.2, suspected violations of university's standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with University policy, which may result in the student's suspension or expulsion from the University.