

**ALHS3350 - Health Biometry
Fall Semester 2009**

Instructor Name and Title: William Sorensen, Ph.D.

Office Location & Times: PAC Rm #3095, regular office hours, but please schedule a time beforehand.

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Required Text: Experimentation and Measurement, Youden, W.J.; Dover Publications, ISBN 048640451X (paperback)

Classroom Location: HPC room 3055

Course Time and Dates: Aug 27 through Dec 16; 9:30-10:45 am, Tues/Thurs

Course Catalogue Description: Study of the analysis of clinical, demographic, behavioral, social and other forms of data related to human health and disease.

Course Goal: The purpose of this course is to introduce practical application to the principles of measurement and statistics, in order to accomplish data management, data analysis, and data interpretation tasks.

Course Objectives: To accomplish the purpose of the course the student will be able:

1. to approach statistical procedures based on types of differently formatted data.
2. to understand the theoretical bases and assumptions of statistical analysis.
3. to apply statistical and mathematical reasoning, and insight toward solving problems in analysis.
4. to appreciate the importance of research design.
5. to appreciate the complexities of measurement and statistical analysis.

Grading Plan:

Assignments	30%
Quizzes	20%
Exam	35%
Class participation	15%

Letter grade-percentage transposition:

A:	91% - 100%
B:	81% - 90%
C:	71% - 80%
D:	61% - 70%
F:	below 61%

Course Format: Classes will consist of a mixture of lecture, class discussions from text and outside readings, and a series of measurement and analysis labs. Students must be prepared to discuss the previously assigned readings. Students will be called upon during each class and asked to provide insights into particular topics.

Quizzes: There will be 3-4 unannounced quizzes, lasting 30-45 minutes, in which you work alone. Be prepared.

Notebook: There will be 15 activities assessed for grades (thus the term “assignments”) and a handful of other activities. To keep track of all of these activities in an orderly fashion the instructor requires that you keep the work, in chronological order in a notebook (3-ring preferred). The notebook will be handed in 3 times throughout the semester. There will be no make-ups for missed labs.

Learning Philosophy: This is a class that emphasizes independent thinking, but also group discussions and teamwork. An understanding of statistics will come from hands-on projects. Be prepared to READ the readings outside of class, and DISCUSS them during class.

Classroom Behavior Policies: Just as students expect good manners, punctuality and professionalism from the instructor, so the instructor also expects this of the students. Consider going to class the same as having a job.

Also:

- Turn off cell phones before class
- No Food or Drink in the Classrooms
- Men: Hats or caps should not be worn during class.

UTT POLICIES

Americans with Disabilities Act (ADA):

The ADA is a federal anti-discrimination law that provides comprehensive civil rights protection to individuals with disabilities. Among other things, this statute requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities.

If you have a disability, including a learning disability, for which you request disability support services/accommodation(s), please contact Ida MacDonald in the Disability Support Services office so that the appropriate arrangements may be made. In accordance with federal law, a student requesting disability support services/accommodation(s) must provide appropriate documentation of his/her disability to the Disability Support Services counselor. In order to assure approved services the first week of class, diagnostic, prognostic, and prescriptive information should be received 30 days prior to the beginning of the semester services are requested. For more information, call or visit the Student Services Center located in the University Center, Room 282. The telephone number is 566-7079 (TDD 565-5579). Additional information may also be obtained at the following UT Tyler Web address: <http://www.uttyler.edu/disabilityservices>.

Academic Dishonesty:

At The University of Texas at Tyler, students and faculty are responsible for maintaining an environment that encourages academic integrity. Student and faculty members are required to report an observed or suspected case of academic dishonesty immediately to the faculty member in charge of an examination, classroom or laboratory research project, or other academic exercise.

Since the value of an academic degree depends on the absolute integrity of the work done by the student for the degree, it is imperative that the student maintains a high standard of individual honor in scholastic work. Scholastic dishonesty includes but is not limited to cheating, plagiarism, and collusion:

“Cheating” includes:

1. Copying from the paper of another student, engaging in written, oral, or any other means of communication with another student, or giving aid to or seeding aid from another student when not permitted by the instructor;
2. Using material during an examination or when completing an assignment that is not authorized by the person giving the examination or making the work assignment;
3. Taking or attempting to take an examination for another student, or allowing another student to take an examination for oneself;
4. Using, obtaining, or attempting to obtain by any means, the whole or any part of, an unadministered examination or work assignment.

“Plagiarism” includes the unacknowledged incorporation of the work of another person in work that a student offers for credit.

“Collusion” includes the unauthorized collaboration with another person in preparing written work that a student offers for credit.

Indoor Smoke-Free Classrooms:

The University of Texas at Tyler is an indoor smoke-free campus. No smoking will be permitted in any building, hallway, classroom, laboratory, restroom, lounge, or other indoor location.

Attendance:

Responsibility for class attendance rests with the student. When a student has a legitimate reason for being absent, the instructor has the option of permitting make-up work.

The university reserves the right to consider individual cases of non-attendance. In general, students are graded on the basis of intellectual effort and performance. In many cases, class participation is a significant measure of performance, and nonattendance can adversely affect a student's grade.

Approved Student Absences:

On those occasions when it may be necessary for students to miss a regularly scheduled class to participate in an official university event or activity, faculty sponsors and program directors are requested to observe the following procedures:

1. Faculty sponsors or program directors should draft a memorandum to the vice president for academic affairs. This memorandum should include information concerning the nature of the event, the date(s) on which students would be absent from class, and the names of the students involved.
2. Copies of the memorandum addressed to the vice president should be given to each of the students listed on the memorandum.
3. Students should be directed to communicate with their instructor(s) prior to the date of the planned absence.

It is expected that students will not abuse the privilege of being absent from class for authorized university activities, and that make-up assignments will be made at the discretion and convenience of the instructor.

Grading Appeal Procedure

A student who wishes to contest a grade given by an instructor must initiate the procedure by contacting the instructor who assigned the grade. The instructor and the student should informally review the criteria for assignment of grades and the student's performance. The instructor may affirm the grade or revise the grade.

If the student is not satisfied after the informal discussion with the instructor, then the student may initiate a formal grade appeal by completing a Grade Appeal Form, which may be obtained from the Office of Student Records. Normal grade appeals should be filed at the earliest date possible, but no later than six months from the final date of grade assignment. The instructor and the student should complete the appropriate parts of the form clearly indicating the instructor's rationale for the grade given and the student's basis for the grade appeal.

At each administrative level of the appeal process, an attempt will be made to resolve the issue. If the instructor holds one of the administrative positions used in the appeal process, then that level is omitted. If no resolution is reached at a particular level, then the appeal is forwarded with the recommendation of the administrator at that level with all documentation.

If the appeal is to be considered by the Vice President for Academic Affairs, a copy of the Grade Appeal Form shall be forwarded by the academic dean of the student.

The office of the president is the final step in the appeal process at The University of Texas at Tyler.

Grade Replacement

If you are repeating this course for a grade replacement, you must file an intent to receive grade forgiveness with the registrar by the 12th day of class. Failure to file an intent to use grade forgiveness will result in both the original and repeated grade being used to calculate your overall grade point average. A student will receive grade forgiveness (grade replacement) for only three (undergraduate student) or two (graduate student) course repeats during his/her career at UT Tyler.