

STAT5333 – Design and Analysis of Experiments
Fall 2017 – Course Syllabus

Instructor : Dr. Ananda Manage

Office : LDB 439H

Phone : 294-4894

Office Hours : TTh 8:00am – 9:20am, 11:00am-12:20pm or By appointment

E Mail : manage@shsu.edu

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Text : Design and Analysis of Experiments By Douglas Montgomery (9th Edition)

Material Covered: The following topics will be covered: Analysis of Variance, Randomized Block Design, Latin Square, Factorial Design, Fixed Effects and Random Effects Models, Nested and Split-plot Designs, Multiple Comparison Tests.

Software: SAS, MINITAB

Learning Outcomes: The course will refresh the mathematical, computational, statistical and probability background that students will need. At the conclusion of the course students will have a clear understanding about the topics listed above with the ability to apply the techniques in problems related to the sciences.

Assessment: Continuous assessment of the progress of the course will occur via ongoing communication between the instructor and students. To this end all students are encouraged to ask questions during class and seek the instructor's help out of class when needed. Please read the sections about HW, quizzes and exams for further details.

Attendance: Class attendance is **extremely important** to succeed in this course. Roll will be taken at class meetings. Late arrival, leaving class early and forgetting to sign the roll sheet are counted as absences.

Homework & Assignments: Homework and other assignments will be assigned regularly. I may not be able to grade all the assignments; Please see me if you are not confident about your answers. You are encouraged to work as groups. However, you must write/type your answers **INDEPENDENTLY**.

Missed Work : There will **not** be any **make-up examinations**. Every missed examination will result in zero unless you have a valid (written) excuse from a **proper authority (Example: a letter from Dean of Students)**. In the event your excuse is **acceptable**, the score you earn on the final exam will replace missed exam score. **No make-up quizzes. No late homework will be accepted (even with good reasons).**

Grading Policy:

Midterm Exams	45 points
Homework and Other Assignments	30 points
The comprehensive final exam	25 points

Grading Scale :

90 and above A, 80 - 89 B, 70 - 79 C, 60 - 69 D, 0 – 59 F

Important Dates (Tentative):

Midterm exam1	- October 5, 2017
Midterm exam2	- November 16, 2017
Last class day	- November 30, 2017
Final examination (9:30am – 11:30am)	- December 07, 2017

Civility in the Classroom: Students are expected to assist in maintaining a classroom environment which is conducive to learning. **Please turn off cell phones and beepers. No newspapers.**

Academic Dishonesty : All students are expected to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. The University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

Students with Disabilities: It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any academic or Student Life program or activity. Disabled students may request assistance with academically related problems stemming from individual disabilities by contacting the Director of the Counseling Center in the Lee Drain Annex or by calling (936) 294-1720.

Religious Holidays: University policy states that a student who is absent from class for the observance of a religious holy day must be allowed to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. Students must be excused to travel for observance of a religious holy day. A student who wishes to be excused for a religious holy day must present the instructor with a written statement describing concerning the holy day(s) and the travel involved. The instructor should provide the student with a written description of the deadline for the completion of missed exams or assignments.