

MTH/STA 3379: section 11, credit:3, Fall 2017

STATISTICAL METHODS IN PRACTICE

Meet: LDB 415, T Th: 12:30 - 1:50 P.M.

INSTRUCTOR:

Dr. Ferry Butar Butar, Lee Drain Building 439C, Phone 294-1596.

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OFFICE HOUR: LDB 439C

T, Th: 10:00 - 10:50 a.m.

M, W: 1:00 - 2:00 p.m., or by appointment.

TEACHING ASSISTANCE:

Richard Ekem, Lee Drain Building 403.

Email: richekem@yahoo.com

REQUIRED MATERIALS:

Textbook: Introductory Statistics, Weiss 10 e, Pearson.

ISBN: 9780321989352 (No need to buy the book when you enter the following access code)

Access Code for this course: WMSLSS-MUSIL-BAUTH-SKEAN-GLAIR-DENSE

Upgrade book: ISBN 978 0134193663 for \$89 (If you want to print the material of the book).

Calculator: TI-83/plus or TI 84 plus.

SPSS: My TA will help.

Enter Your Blackboard Course:

1. Sign in to Blackboard and enter your Blackboard course.
2. Click on the MyStatLab button on the left navigation menu in your Blackboard Course.

3. Click on MyStatLab Assignments
4. This will start the registration process. Please see steps below to continue.

Get Access to Your Pearson Course Content:

1. Enter your Pearson account username and password to Link Accounts.

You have an account if you have ever used a Pearson MyLab & Mastering product, such as MyMathLab, MyITLab, MySpanishLab, MasteringBiology or MasteringPhysics.

If you don't have a Pearson account, select Create and follow the instructions.

2. Select Enter an access option and enter:

WMSLSS-MUSIL-BAUTH-SKEAN-GLAIR-DENSE

3. From the You're Done page, select Go to My Courses.

Note: We recommend you always enter your MyLab & Modified Mastering course through Blackboard.

Get Your Computer Ready

For the best experience, check the system requirements for your product at:

<http://www.pearsonmylabandmastering.com/system-requirements/>

Need help?

For help with MyLab & Modified Mastering with Blackboard, go to:

<http://help.pearsoncmg.com/mylabmastering/bbi/student/en/index.html>

Tech Support Phone Number 24/7

800-677-6337

COURSE DESCRIPTION:

This course introduces the fundamentals of statistical concepts and will guide the student through basic statistical procedures to permit critical insight into the science of collecting, classifying, presenting, and interpreting information from the data. The three primary topics covered are 1) descriptive statistics (geographic presentation of data, histograms, plots, charts, measures of central tendency, dispersion, position, bivariate data analysis, linear correlation and

regression analysis), 2) probability concepts and rules for calculating probabilities of compound events. The probability coverage also includes the more commonly occurring probability distributions such as the binomial and normal distributions. Finally, the third area of coverage is that of inferential statistics, including inferences involving one and two populations.

COURSE OUTLINE:

I will cover all of the sections in Chapters 1 through 12, except Chapter 11.

Skip Section 9.6; 9.7; 9.8; 10.4; 10.6; 10.7.

GRADING POLICY:

During the semester, there will be homeworks, quizzes, SPSS, three in-class exams and a cumulative final exam. You are allowed to use one ($8\frac{1}{2} \times 11$) in. of notes.

Any student who does not take an exam at the scheduled time without prior consent of the instructor will receive a grade of zero on that exam. If any student feels that a sudden illness is sufficiently extreme to warrant a make-up exam, the instructor must be provided with documentation prepared by an appropriate medical authority.

Homeworks and Quizzes: Homework is submitted through MyStatLab. In order to assess your progress with the homework I will set a quiz on every week, except when there is an exam on that day. This quiz will consist of the homework questions which you should have already done. Because of this, you won't have much time to do the quiz and if you haven't worked the problem out previously, you will probably not have enough time.

Item	Total point	Date
Homework	70	every Monday
SPSS	30	
Quiz	100	
First Mid-Term Exam	100	Tue, Sept 19, 2017
Second Mid-Term Exam	100	Thu, Oct 19, 2017
Third Mid-Term Exam	100	Tue, Nov 21, 2017
Final Exam	200	Tue, Dec 5, 2017; 1:00 P.M.-3:00 P.M.

Your final course will be determined by your cumulative score out of a maximum possible of 700. There is no set formula used to determine the letter grade for the course, but the following are some guidelines,

Total point	Grade
630 – 700	A
560 – 629	B
490 – 559	C
420 – 489	D
≤ 419	F

ATTENDANCE:

Attendance is very important. Class attendance is a requirement of this course. Regular attendance will indicate the amount of interest and effort a student is willing to exert in learning.

Any student will be allowed 1 class absence without penalty. Any absence over 1 class will result in final grade reductions. Your final grade will be lowered 5 points for each absence over 1 time.

ACADEMIC HONESTY:

All work that is handed in for evaluation is to reflect solely your individual performance. Cheating will not be tolerated. A violation will result a grade of F for the semester.

STUDENT ABSENCES ON RELIGIOUS HOLY DAYS POLICY:

Section 51.911(b) of the Texas Education Code requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.

University policy 861001 provides the procedures to be followed by the student and instructor. A student desiring to absent himself/herself from a scheduled

class in order to observe (a) religious holy day(s) shall present to each instructor involved a written statement concerning the religious holy day(s). This request must be made in the first fifteen days of the semester or the first seven days of a summer session in which the absence(s) will occur. The instructor will complete a form notifying the student of a reasonable timeframe in which the missed assignments and/or examinations are to be completed.

STUDENTS WITH DISABILITIES POLICY:

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail disability@shsu.edu). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired. SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see: <http://www.shsu.edu/dept/academic-affairs/documents/aps/students/811006.pdf>

CLASSROOM RULES OF CONDUCT:

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. **Cellular telephones and pagers** must be turned off before class begins. Students are prohibited from eating in class, using tobacco products,

making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

VISITORS IN THE CLASSROOM:

Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

This policy is not intended to discourage the occasional visiting of classes by responsible persons. Obviously, however, the visiting of a particular class should be occasional and not regular, and it should in no way constitute interference with registered members of the class or the educational process.

HOW TO BEAT THE SYSTEM

I want to give you an incentive to keep working and learning right through the course. To do this there are Bonus Points after each exam and Final Bonus Points at the end of the course. After each test, if you improve your score from the last exam, I will add a bonus of 50 % of your improvement to your final score for the test. The bonus points get added on at the end of the course so if you score 80 on the first exam, 86 in the second exam and 88 in the third exam then you would get 3 bonus points for the second exam and 1 bonus point for the third, since the three bonus points were not added directly to the score for the second. You won't lose bonus points if your score goes down on subsequent exams. Also, at the end of the course, if each test score is higher than the previous one then I'll add a final bonus of 10 points to your total accumulated points.