

**Sam Houston State University
College of Business Administration
Department of Economics and International Business
Course Syllabus – Spring 2018**

Course Number: BANA 3363

Th 6:00 – 9:00 PM
TWC 130

Course Title: Intermediate Business Analysis

Prerequisite: BANA 2372

Professor: Natalie Hegwood, Ph.D.

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Office Hours:

Monday: 9:00 – 11:00 & 12:30 – 2:00
Wednesday: 9:00 – 11:00 & 12:30 – 2:00
Thursday: 5:30 – 6:00 at TWC for PM class

Student tutoring lab: More information coming soon

Required Texts:

Modern Business Statistics by Anderson, Sweeney, et.al., 6th Edition. This will be an online e-book with a 2 week free trial accessible via Blackboard. There will also be an option to purchase a loose leaf paper textbook at a discounted price through Cengage.com

Course Description:

Continuation of BANA 2372. This course is designed to introduce students to the use of statistics as a business tool in the face of incomplete knowledge. Topics include estimation, hypothesis testing, analysis of variance, goodness-of-fit measures, correlation, simple and multiple regression, and sample design.

Course Objectives:

After completing this course, the student will have learned to:

- Apply a variety of statistical techniques to analyze data.
- Understand how the most commonly reported statistics are calculated and how to interpret them.

Course Structure:

The lectures will emphasize concepts, motivation, interpretation, and present vocabulary. Statistical formulas will be given and discussed on a heuristic basis. Mathematical derivations of the formulas will not be presented. Homework problems will be assigned, but not always collected. In class problems will be assigned but not always collected.

Exams:

There will be three midterm exams and a comprehensive final exam. There will also be quizzes throughout the semester that will combine to count as an exam grade for a total of 5 grades. The lowest of the 5 grades will not be counted in the final semester grade. Each exam may consist of a combination of multiple choice, numeric problems, and short answer questions. Most complicated formulas will be provided and need not be memorized. Make-up exams will not be given. If a student misses one exam, that will be the grade that is dropped. If a student misses two exams, the student will receive an F in the course. Any student who is suspected of cheating on any exam will receive a penalty ranging from a zero on that exam to an automatic F in the course at the instructor's discretion.

Quizzes:

There will be 8 quizzes, each worth 20 points. The top grades 5 will be combined (added together) to form a major grade. The 3 lowest grades will be dropped. There are no make-ups on quizzes.

Course Grade:

The sum of the top four major grades will determine the student's letter grade based on the following scale:

360 - 400	A
320 - 359	B
280 - 319	C
240 - 279	D
0 - 239	F

There will be no additional curving of grades.

Grades will be posted on Blackboard. At the end of the semester these grades will be downloaded into Excel for final grade calculation. It is the responsibility of

the student to confirm that the grades that are posted are consistent with the actual grades earned on each assignment. The instructor must be notified of any inconsistencies prior to the final exam.

Homework:

This course relies heavily on in-class and out of class assignments for learning the material. Homework will generally not be turned in and graded so it is the student's responsibility to complete it in a timely manner.

Electronic devices policy:

The use by students of electronic devices that perform the function of a telephone or text messenger during class-time may be prohibited if deemed disruptive by the instructor to the conduct of the class. Arrangements for handling potential emergency situations may be granted at the discretion of the instructor. Failure to comply with the instructor's policy could result in expulsion from the classroom or with multiple offenses, failure of the course. Any use of a telephone or text messenger or any device that performs these functions during an exam period is prohibited. These devices should not be present during an exam or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the exam period will result in a zero for that test. Use of these devices during an exam is considered de facto evidence of cheating and could result in a charge of academic dishonesty. The use of headphones or earbuds, even if not attached to a device, is prohibited during exams.

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>

Attendance Policy:

Role will be taken each class, however it will not factor directly into the student's grade. Regular attendance is required in order to succeed in this class. It is not acceptable to be late to class or to leave early without discussing it with me in advance. This is distracting to other students. Exams will primarily cover material emphasized in class, some of which may not be contained in the textbook. It is now University policy that attendance be recorded so that the administration can be notified on the 12th class day which enrolled students have never attended class. Also we must report the final class date attended by any student who receives an F.

Other Classroom Policies:

- All cell phones and pagers must be turned off during class, and cannot be used as calculators during quizzes or exams.
- Students may not share calculators on quizzes or exams.
- Hats should not be worn on exam days, however you may wear them turned backward.
- No student may leave the classroom during an exam unless he/she is finished with the exam. If there is a medical issue that necessitates leaving the room, this needs to be discussed with the instructor before the exam day.
- Only students enrolled in this class may attend this class.

Important Dates:

First class day	January 18
Spring Break	March 13-17
Last class to drop	April 7
Last class day	May 4

Quiz dates:

Quiz 1	Feb. 1	Quiz 5	Mar. 22
Quiz 2	Feb. 8	Quiz 6	Apr. 12
Quiz 3	Feb. 15	Quiz 7	Apr. 19
Quiz 4	Mar 8	Quiz 8	Apr. 26

Exam dates:

Exam 1	Feb. 22
Exam 2	Mar. 29
Exam 3	May 3
Final Exam	May 10, time to be determined

Tentative Course Outline:**Exam 1:**

Introduction and review of important concepts from BANA 2372
Confidence intervals for the population mean and proportion: ch. 8.
Hypothesis testing for the population mean and proportion: ch. 9.
Comparisons of the means and proportions from two populations: ch. 10.

Exam 2:

Chi-square Goodness of fit tests and tests of Independence: ch. 12.
Analysis of Variance tests: ch. 13.

Exam 3:

Simple linear regression: ch. 14.
Multiple regression: ch. 15.