



# SAM HOUSTON STATE UNIVERSITY

*A Member of The Texas State University System*

Course: BAN 232  
Title: Business Analysis  
Term: Spring 2008  
College of Business Administration  
Instructor: Dr. Vargas

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“Do not worry about your difficulties in Mathematics. I can assure you mine are still greater.” Albert Einstein.

**Office:** Smith-Hutson Business Building, 237L

**Phone:** (936) 294 – 4304 Office  
(787) 529 – 2382 Mobile (for emergencies only).

**Email:** cxv004@shsu.edu

**Class webpage:** <http://www.shsu.edu/~cxv004/teaching/ban.htm>

**Class Hours:** Monday-Wednesday-Friday 8:00 – 8:50 am

**Meeting Place:** Smith-Hutson Business Building 134

**Office Hours:** Monday-Wednesday-Friday 10:00 – 11:00 am  
Wednesday 5:00 – 6:00 pm

## **Required Texts:**

1. Barnett, Ziegler and Byleen, *Calculus for businesses, economics, life sciences and social sciences*, Prentice Hall.

## **Purchase Options:**

Sam Houston Special Version of the 10<sup>th</sup> edition in the bookstore (cheaper).  
11<sup>th</sup> edition, available online and used everywhere (e.g. Amazon) (updated but more expensive).

2. Agresti and Franklin, *Statistics: The art of learning from data*, Prentice Hall.

**Supplements:** Handout (available in Blackboard) is the same as first chapter of the 11<sup>th</sup> edition. You are required to bring the textbook and the class notes (available at [www.shsu.edu/~cxv004/teaching/ban.htm](http://www.shsu.edu/~cxv004/teaching/ban.htm) **and** in Blackboard) for each class. The class

notes are provided for your benefit only and may contain some errors. This is not a substitute for class discussion and/or the textbook.

### **Blackboard:**

Course material and exam grades can be found at:

<https://blackboard.shsu.edu/webapps/login/>. Use your SHSU username and password. Be sure that your SHSU accounts has been activated so that you can use Blackboard and receive e-mails from me. You can find a guide to Blackboard (manual) at: <http://www.utexas.edu/academic/blackboard/tutorials/manual/student.pdf>.

### **Learning Objectives:**

The student will have learned to use quantitative business techniques. Topics include organizing and presenting data, descriptive statistics, probability, discrete and continuous distributions, modeling, optimization procedures, and statistical inference.

### **Tutoring:**

Tutoring for BAN is available through the department of economics and international business. Please contact me later in the semester for more details.

### **Course Structure:**

You are responsible for reviewing the material in Appendix A of the Barnett, Ziegler and Byleen (Calculus) book. This is material that you should have discussed previously in other classes.

The material will be discussed in class as follows (this dates serve only as a reference, I retain the right to change the day in which material is discussed and the dates of the tests):

### **Math and Calculus Part**

#### **Wednesday January 16:**

Handout 1, Chapter 1 and Chapter 2

#### **Friday January 18:**

Handout 1, Chapter 1 and Chapter 2

#### **Monday January 21:**

MLK Holiday – No class

#### **Wednesday January 23:**

Handout 1, Chapter 1 and Chapter 2

#### **Friday January 25:**

Handout 1, Chapter 1 and Chapter 2

#### **Monday January 28:**

Handout 1, Chapter 1 and Chapter 2

**Wednesday January 30:**

Handout 1, Chapter 1 and Chapter 2

**Friday February 1:**

Handout 1, Chapter 1 and Chapter 2

**Monday February 4:**

Handout 1, Chapter 1 and Chapter 2

**Wednesday February 6:**

Handout 1, Chapter 1 and Chapter 2

**Friday February 8:**

Practice test: First exam

**Monday February 11:**

First test

**Wednesday February 13:**

Chapter 3, Chapter 4 and Chapter 5

**Friday February 15:**

No class

**Monday February 18:**

Chapter 3, Chapter 4 and Chapter 5

**Wednesday February 20:**

Chapter 3, Chapter 4 and Chapter 5

**Friday February 22:**

Chapter 3, Chapter 4 and Chapter 5

**Monday February 25:**

Chapter 3, Chapter 4 and Chapter 5

**Wednesday February 27:**

Chapter 3, Chapter 4 and Chapter 5

**Friday February 29:**

Chapter 3, Chapter 4 and Chapter 5

**Monday March 3:**

Chapter 3, Chapter 4 and Chapter 5

**Wednesday March 5:**

Chapter 3, Chapter 4 and Chapter 5

**Friday March 7:**

Chapter 3, Chapter 4 and Chapter 5

**Monday March 10:**

Spring Break – No class

**Wednesday March 12:**

Spring Break – No class

**Friday March 14:**

Spring Break – No class

**Monday March 17:**

Practice test: Second exam

**Wednesday March 19:**

Second test

**Friday March 21:**

Good Friday – No Class

## **Statistics Part**

### **Monday March 24:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Wednesday March 26:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Friday March 28:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Monday March 31:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Wednesday April 2:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Friday April 4:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Monday April 7:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Wednesday April 9:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Friday April 11:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Monday April 14:**

Chapter 1, Chapter 2, Chapter 3, Chapter 4

### **Wednesday April 16:**

Practice test: Third exam

### **Friday April 18:**

Third test

### **Monday April 21:**

Chapter 5, Chapter 6, Chapter 7

### **Wednesday April 23:**

Chapter 5, Chapter 6, Chapter 7

### **Friday April 25:**

Chapter 5, Chapter 6, Chapter 7

### **Monday April 28:**

Chapter 5, Chapter 6, Chapter 7

### **Wednesday April 30:**

Chapter 5, Chapter 6, Chapter 7

### **Friday May 2:**

Practice test: Fourth exam

### **Monday May 5:**

Fourth test

### **Wednesday May 7:**

Practice test: Final

**Course Evaluation Process:**

**Exams:** There will be five major exams, which include the final, during the semester. Each exam will be weighted equally with a maximum of 100 points for each exam. Exams may consist of multiple choices, problems and/or short answer questions. The exams will be closed book. Each student will be allowed the use of a calculator (you cannot share calculators and you cannot use your cell phone as a calculator). Only approved devices can be used during the test. A formula sheet will be provided for each exam.

**Final:** The Final is comprehensive. All students must take the Final exam. Please check with the registrar’s office for the date and time of the final test.

**Evaluations:** For purposes of computing your grade your lowest score (except for the final exam) will be excluded. Your semester grade will be on the basis of four (4) grades.

**Missing an Exam:** If you miss an exam, the missed exam will be counted as zero, which will be eliminated as your low grade, when computing your final grade for the course. No make-up exams will be given. If two major exams are missed, or if the Final exam is missed, the student will receive a grade of “F” for the class.

**Course grades will be computed on the following basis:**

	Grade
$360 \leq \text{points}$	A
$320 \leq \text{points} < 360$	B
$280 \leq \text{points} < 320$	C
$240 \leq \text{points} < 280$	D
$\text{points} < 240$	F

**Students with Special Needs:**

Please let me know in writing and at least one week before the test if you need special accommodations.

**Class Attendance:**

Class attendance is mandatory. Roll will be taken during the first three minutes of class. Please do not come in late. Students missing classes may also miss important announcements, special assignments, handouts or extra credit. Students are responsible for materials covered during class periods in which they do not attend (or come in late). If you miss more than **four (4)** classes you will get a grade of “F” in the course.

### **Email Policy:**

During the semester I will be sending emails to the students in the class. The emails are sent to your SHSU account, it is your responsibility to make sure that you have a working SHSU email. I am always glad to receive email from my students. However, you need to follow the following rules:

- 1) Put your first and last name and class meeting time.
- 2) Write in proper English and respectfully.
- 3) Address me as Dr. Vargas or Professor Vargas.
- 4) You need to use your SHSU account (no hotmail, yahoo or gmail, etc. accounts).

### **Classroom Etiquette:**

The following are the classroom rules:

- 1) All laptop computers must be closed at all times during the class.
- 2) Do not use headphones during the lecture.
- 3) All cell phones must be turn off. Do not talk on the cell phone during class.
- 4) Do not write or read a text message on your cell phone during class.
- 5) Do not play games on hand-held systems or other electronic devices (including watch alarms and cell phones).
- 6) Do not listen to you iPod or music during the class.
- 7) Do not sleep during class.
- 8) If you leave the classroom before the lecture is over it will be counted as an absence.
- 9) During the lecture you should not read material other than the textbook of this class. This means that newspapers and books for other classes should be closed and hidden.
- 10) Hats, baseball caps and sunglasses should not be worn in the classroom during examinations.
- 11) Do not interrupt others.
- 12) If your behavior is disruptive I will ask you to leave the classroom. This includes making fun of classmates or the professor, talking loudly to other students while the lecture is in progress and whistling. Talking to classmates during the lecture disrupts the normal learning environment.
- 13) Do not answer questions from other student during the lecture.
- 14) Students are not allowed to enter the classroom five minutes after I enter the classroom.

### **Helpful Hints for Preparing for Exams:**

- 1) Do all the “On your own...” and “On your own...Home” problems.
- 2) Do the practice test.

- 3) Come to my office during my office hours if you have any questions.

**Extra-Credit:**

The class notes for each exam include a series of problems with the title “On your own...” and “On your own...Home”. These problems are given for your benefit and you should do all the problems before each exam. However, there is an extra incentive. By following these rules you can earn up to 5 points in extra-credit for each exam:

1. Do all the “On your own...” and “On your own...Home” problems assigned for that exam in separate sheets of paper (not in your class notes). **I will not accept incomplete extra-credits. You need to do all the problems.**
2. Bring those problems to class on the day of the test. **I am not going to accept any extra-credits after the exam.**
3. **No extra credit points will be available for the final exam.**
4. **Extra credits sent by e-mail or left in my office will not be accepted.**