

**TEXAS A&M INTERNATIONAL UNIVERSITY**  
**A.R. SANCHEZ, Jr. SCHOOL OF BUSINESS**  
**DIVISION OF INTERNATIONAL BANKING AND FINANCE STUDIES**

**COURSE SYLLABUS**  
**SUMMER II, 2011**

- Course:** *Business Statistics I (DS 2310-401)*
- Instructor:** *Pablo Camacho, Ph. D.*
- Office Hours:** *WHTC 206D; (956) 326-2516; T - R 4:45 pm – 5:45pm*
- E-mail:** *Best way to contact is by email through Angel, but may also contact at [pcamacho@tamiu.edu](mailto:pcamacho@tamiu.edu)*
- Other Contact:** *Students are encouraged to contact me through Facebook and Twitter, as well as participate in my blog. My webpage at [www.tamiu.edu/~pcamacho/](http://www.tamiu.edu/~pcamacho/) contains the links to such social networks*
- Required Text:** *Bowerman, Bruce L., Richard T. O'Connell, and Emily S. Murphree, Business Statistics in Practice, McGraw-Hill, 6th edition.*
- Recommended:** *Textbook website; power point slides; Excel Analysis ToolPak; EasyReg freeware; other supporting material will be announced in lecture.*
- Prerequisite:** *MATH 1325 minimum grade of C.*
- Course Description:** *An introductory study of statistical methods as applied to business and economic problems. Topical coverage includes descriptive statistics, set theory, probability theory, random variables, probability distributions, the normal distribution, sampling methods, sampling distributions, statistical estimation, hypothesis testing, and simple linear regression and correlation analysis. (Catalog course description.)*
- Course Goals:** *This course's main goal is to provide students with an understanding of statistical methods as applied to business and economic problems. Topical coverage includes descriptive statistics, probability theory, random variables, probability distributions, the normal distribution, sampling methods, sampling distributions, hypothesis testing, linear regression and correlation analysis.*
- Learning Outcomes/Objectives:**
- 1. Students will understand the role of statistical techniques in the management decision making process.*
  - 2. Students will develop the skills necessary to perform "standard" statistical methodology.*
  - 3. Students will become an intelligent interpreter and consumer of statistical information and reports.*
  - 4. Students will gain competence in the use of microcomputers and statistical software.*
- Objectives are measurable through exams, homework and class participation.

## Grading Policy

Partial exams (3)	20 points each	A: $90 \leq$ points
Final (comprehensive)	20 points	B: $80 \leq$ points < 90
Assignments	20 points	C: $70 \leq$ points < 80
		D: $60 \leq$ points < 70
		F: $60 >$ points

## Attendance Policy:

Class attendance is required. Students are responsible for any class work, assignments, announcements, or tests that they miss because of class absence or failure to check Angel.

## Other course policies:

No Fault – No Make Up Policy: No make-up partial exam will be given. If one partial exam is missed, the grade on the comprehensive final exam will replace it. If a second or third partial exam is missed, the grade of that exam will be zero. Students who take all partial exams may use the grade on the comprehensive final exam to replace the lowest grade on a partial exam. No make-up final exam will be given, except under highly unusual circumstances (such as a documented medical emergency or the observance of a religious holyday).

No late assignment will be accepted. Assignments shall be turned in during the first ten minutes of the lecture when it is due. Assignments shall be typed using Microsoft Word (additional software may be used as it is appropriate, for instance, Microsoft Excel when the assignment involves graphing) so that every student will keep an electronic copy of the solved assignment. If a student expects not to be able to turn in the assignment on time, he/she may email the file containing the assignment free of viruses before class and later turn in a hard copy of the assignment. All submitted assignments will be taken by the Instructor and graded, but only those that comply with the above guidelines will count towards the students' grade. Every student shall bring two hard copies of the assignment.

## Classroom Behavior

The A.R. Sanchez, Jr. School of Business encourages classroom discussion and academic debate as an essential intellectual activity. It is essential that students learn to express and defend their beliefs, but it is also essential that they learn to listen and respond respectfully to others whose beliefs they may not share. ARSSB will always tolerate diverse, unorthodox, and unpopular points of view, but it will not tolerate condescending or insulting remarks. When students verbally abuse or ridicule and intimidate others whose views they do not agree with, they subvert the free exchange of ideas that should characterize a university classroom. If their actions are deemed by the professor to be disruptive, they will be subject to appropriate disciplinary action, which may include being involuntarily withdrawn from the class. Major disruptive behavior will be penalized, after one warning per semester, by subtracting points from the overall final grade of the disruptive student in progressively larger 5-points (e.g., minus 5 points for the first offense; minus 10 points for the second offense, etc.). You will be given clear warning when your behavior is becoming disruptive.

## **Copyright Restrictions**

*The Copyright Act of 1976 grants to copyright owners the exclusive right to reproduce their works and distribute copies of their work. Works that receive copyright protection include published works such as a textbook. Copying a textbook without permission from the owner of the copyright may constitute copyright infringement. Civil and criminal penalties may be assessed for copyright infringement. Civil penalties include damages up to \$100,000; criminal penalties include a fine up to \$250,000 and imprisonment.*

*Copyright laws do allow students and professors to make photocopies of copyrighted materials, but you may copy a limited portion of a work, such an article from a journal or a chapter from a book for your own personal academic use or, in the case of a professor, for personal, limited classroom use. In general, the extent of your copying should not suggest that the purpose or the effect of your copying is to avoid paying for the materials. And, of course, you may not sell these copies for a profit. Thus, students who copy textbooks to avoid buying them or professors who provide photocopies of textbooks to enable students to save money are violating the law.*

## **Plagiarism and Cheating**

*Plagiarism is the presentation of someone else's work as one's own. Recently, the Internet has complicated the picture. Getting something from the Internet and presenting it as one's own is still plagiarism. Copying another student's paper or a portion of the paper - is usually called "copying". Neither plagiarism nor copying will be tolerated. Should a faculty member discover that a student has committed plagiarism, the students will receive a grade of 'F' in that course and the matter may, if necessary, be referred to the TAMIU Honor Council for possible disciplinary action.*

## **Students with Disabilities**

*Texas A&M International University seeks to provide reasonable accommodations for all qualified persons with disabilities. This University will adhere to all applicable federal, state, and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal education opportunity. It is the student's responsibility to register with the Disabilities Services Coordinator located in the Student Counseling Center and to contact the faculty member in a timely fashion to arrange for suitable accommodations.*

## **Safety and Security- You are the Difference**

*Your safety and security are of prime concern here at Texas A&M International University, and the University police department work hard to ensure the campus is a safe place to live, learn, work and play. TAMIU is not, however, exempt from crime. To be safe and secure, you must take common sense precautions. Be alert and aware of those around you; look out for the safety of others. Do not leave valuables unattended; do not attempt to touch or interfere with our wildlife.*

## **Student Responsibility For Dropping a Course**

*It is the responsibility of the STUDENT to drop the course before the drop date. Faculty are not responsible for dropping students who suspend class attendance.*

## **Final Examination**

*The University requires all final Examinations be comprehensive and be given on the day specified.*

**THE INSTRUCTOR RESERVES THE RIGHT TO MAKE CHANGES TO THIS SYLLABUS AS NEEDED AND WITH NOTIFICATION TO STUDENTS**

## Course Calendar:

Mon	July 11	Course overview
Tue	July 12	Ch.1: Introduction; Ch 2: Tabular and Descriptive Methods
Wed	July 13	Ch 3: Numerical Methods
Thu	July 14	Ch 4: Probability / Homework solving
Mon	July 18	Test 1: Chs 1, 2, 3 / Test solving
Tue	July 19	Ch 5: Discrete Random Variables
Wed	July 20	Ch 6: Continuous Random Variables
Thu	July 21	Ch 8: Confidence Intervals / Homework solving
Mon	July 25	Test 2: Chs 4, 5, 6 / Test solving
Tue	July 26	Ch 8: cont'd; Ch 9: Hypothesis Testing
Wed	July 27	Ch 9 cont'd; Ch 10: Statistical Inference Based on Two Samples
Thu	July 28	Ch 10 cont'd / Homework solving
Mon	Aug 1	Test 3: Chs 8, 9, 10 / Test solving
Tue	Aug 2	Ch 11: Experimental Design and Analysis of Variance
Wed	Aug 3	Ch 11: cont'd; Ch 13: Simple Linear Regression Analysis
Thu	Aug 4	Ch 13: cont'd / Homework solving
Mon	Aug 8	Ch 14: Multiple Regression
Tue	Aug 9	Ch 14: cont'd
Wed	Aug 10	Review
Thu	Aug 11	Final Exam