Texas A&M University-Corpus Christi
College Of Business
Course Syllabus – Spring 2017

Course Number: ORMS 3310.001 (M-W 2:00-3:15 p.m. OCNR 130)
Course Name: Data Analysis and Statistics
Instructor: Dr. Amir M. Hormozi, CFPIM
Office: OCNR Building, Room 325, Phone: 361/825-6016 Direct, 361/825-2655 College, E-mail: amir.hormozi@tamucc.edu
Office hours: 6:45-8:45 M, 5:00-7:00 T, and 1:00-200 W
Prerequisites: Prerequisite: MATH 1314 and Misy 2305 or equivalents
Course Description:

A study of descriptive statistics, probability distributions, the normal distribution, confidence intervals and hypothesis testing, regression analysis and chi-square.

Instructional Methodology:

Student and instructor presentations, demonstrations, discussions, videos, guest lectures, and case studies are all potential methods to cover the subject.

Students with Disabilities

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Office at (361) 825-5816 or visit the office in 116 Corpus Christi Hall.

If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.
Course Objectives:

1. You will enhance your knowledge of quantitative concepts and skills.
2. You will develop an understanding of key statistical concepts used in business.
3. You will learn basic statistical methods of data analysis, founded in probability theory.
4. You will draw statistical inferences using the results obtained by the application of basic statistical methods.
5. You will apply basic statistical methods to data with the help of the statistical applications found in Microsoft Excel.
6. This course will assist you with your preparation for the Major Field Test to be administered in MGMT 4388.

Major Field Test:

The Major Field Test (MFT) is required for all students pursuing the Bachelor of Business Administration degree and will be administered in the MGMT 4388, Administrative Policy and Strategy course. To prepare for this test, business majors are advised to retain their class notes, textbooks and other relevant materials from this class and the other business core courses and to fine-tune their readiness for the MFT by completing the online MFT review available through the COB website at www.cob.tamucc.edu

Performance Evaluation and Grading:

Exam 1  30%
Exam II  30%
Exam III 30%
Attendance and Participation 10%
Total  100%

The average of your lowest and highest grade will replace your lowest grade. All course material is fair game for exam questions--all assigned readings whether discussed in class or not and all material presented in lectures whether covered in assigned readings or not. No make up exam will be given. Letter grades will be determined based on the total points earned, as follows:

A: An average of 90-100, or a total of 270-300. B: An average of 80-89.9, or a total of 240-269. C: An average of 70-79.9 or a total of 210-239. D: An average of 60-69.9, or a total of 180-209. F: An average below 60, or total below 180.

Suggested Practice Problems:

It is the student’s responsibility to work the self-test problems in the chapter and check for their answers in the back of the book. Self-test problems are minimum requirements and students are encouraged to explore more problems in each chapter. This is how
quantitative topics are learned (through practice). It is the student’s responsibility to ask questions regarding any issues encountered when working the suggested study questions.

Expectations of Students:

1. You are EXPECTED to have read the material BEFORE it is covered in class.
2. You are responsible for all material presented in lecture and assigned readings.
3. You are responsible for turning in all assignments on time.
4. You are responsible for staying informed of assignments, meeting locations and any changes to the syllabus announced during class time.
5. You are responsible for doing everything necessary to learn statistics.
6. You are responsible for knowing and abiding by the rules and policies outlined in this syllabus.

Technology Applications:

The student is expected to have a good working knowledge of popular microcomputer software such as word processing and spreadsheets. During the course of the semester, the student may need to draw upon these computer skills.

Attendance Policy:

Students are held responsible for class attendance and are advised that excessive absences may adversely affect their grades. Students absent from classes are responsible for assignments due/materials discussed/announcements made. Students taking business trips or not attending due to extremely important events (like attending a wedding) need to consult with the instructor ahead of time. No make-up exams.

Academic Honesty:

University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, forgery, or plagiarism (the presentation of the work of another as one’s own work). The University policy of scholastic dishonesty will be strictly followed with no exceptions. Understand that the University definition of scholastic dishonesty will be strictly adhered to and any student caught providing or receiving assistance on an exam will immediately be given a grade of “F” for the course.

This course, and all other courses offered by the College of Business (COB), requires all of its students to abide by the COB Student Code of Ethics (available online at www.cob.tamucc.edu). Provisions and stipulations in the code are applicable to all students taking College of Business courses regardless of whether or not they are pursuing a degree awarded by the COB.
**Dropping a Class:**

I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. **April 7, 2016** is the last day to drop a class with an automatic grade of “W” this term.

**Grade Appeals:**

As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at [http://www.tamucc.edu/provost/university_rules/index.html](http://www.tamucc.edu/provost/university_rules/index.html). For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.
<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic</th>
<th>Chapters</th>
<th>Sections</th>
<th>Assignments</th>
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<tbody>
<tr>
<td>(Jan. 18-23)</td>
<td>Introduction to Statistics</td>
<td>Chapter 1</td>
<td>1.1-1.5</td>
<td>Read Chapters 1, 2, 3</td>
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<tr>
<td>(Jan. 25-30)</td>
<td>Charts and Graphs</td>
<td>Chapter 2</td>
<td>2.1, 2.2 and pages 64-68</td>
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<td>(Feb 1-6)</td>
<td>Descriptive Statistics</td>
<td>Chapter 3</td>
<td>3.1, 3.2, 3.3</td>
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<td>(Feb 8-13)</td>
<td>Probability</td>
<td>Chapter 4</td>
<td>4.1, 4.3, 4.4</td>
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<td>(Feb 15)</td>
<td>Catch up and Review</td>
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<td>(Feb 20-22)</td>
<td>***** EXAM I *****</td>
<td>Chapters 1, 2, 3 and 4</td>
<td>Read Chapter 6</td>
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<td>(Feb 27-March 1)</td>
<td>Discrete Distributions</td>
<td>Chapter 5</td>
<td>5.1-5.4</td>
<td>Read Chapter 7</td>
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<tr>
<td>(March 6-8)</td>
<td>Continuous Distributions</td>
<td>Chapter 6</td>
<td>6.1, 6.2</td>
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<td>(March 13-15)</td>
<td>Spring Break</td>
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<td>(March 20-22)</td>
<td>Sampling and Sampling Distributions</td>
<td>Chapter 7</td>
<td>7.5, 7.6, 7.7</td>
<td>Read Chapter 8</td>
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<td>(March 27)</td>
<td>Catch up and Review</td>
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<td>(Mar 29-April 3)</td>
<td>***** EXAM II *****</td>
<td>Chapters 5, 6 and 7</td>
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<td>(April 5-10)</td>
<td>Estimation for Single Populations</td>
<td>Chapter 8</td>
<td>8.1, 8.2, 8.3</td>
<td>Read Chapter 9</td>
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<td>(April 12-17)</td>
<td>Hypothesis Testing</td>
<td>Chapter 9</td>
<td>9.1-9.4</td>
<td>Read Chapter 12</td>
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<td>(April 19-24)</td>
<td>Simple Linear Regression</td>
<td>Chapter 12</td>
<td>12.1-12.4</td>
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<td>(April 26-May 1)</td>
<td>***** EXAM III *****</td>
<td>Chapters 8, 9, and 12</td>
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<tr>
<td>(May 10)</td>
<td>pause and reflect, 1:45-4:15</td>
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