Texas A&M University-Corpus Christi
College of Business
ORMS 3310, Data Analysis and Statistics

ORMS 3310.003- Fall 2018
Nhieu Bo
T 7:00-9:30PM – OCNR-118
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Email: nhieu.bo@tamucc.edu

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

Course Prerequisites:
BUSI 0011, MATH 1314 and MISY 2305 or equivalents

Learning Objectives:
By the end of this course, the students will be able to:
• Demonstrate knowledge of quantitative concepts and skills. (BBA Goal 2, Objective 1)
• Discuss key statistical concepts used in business. (BBA Goal 2, Objective 2)
• Apply basic statistical methods of data analysis, founded in probability theory. (BBA Goal 2, Objectives 1, 2, and 3)
• Interpret statistical inferences using the results obtained by the application of basic statistical methods. (BBA Goal 3, Objectives 1, 3)

Course Requirements:

<table>
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<tr>
<th>Points of Course Components Used for Calculating Grade</th>
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<tbody>
<tr>
<td>Exam 1</td>
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<td>Exam 2</td>
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<tr>
<td>Final Exam</td>
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<tr>
<td>Attendance and Participation</td>
</tr>
<tr>
<td>Quizzes and Backboard Activities</td>
</tr>
<tr>
<td>TOTAL</td>
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</table>

Required Materials:

Websites Used:
Blackboard https://bb9.tamucc.edu/
Course Policies:

**Exams** - Student performance will be evaluated on the basis of 3 exams scheduled during the regular scheduled class time. Exam dates are subject to change, depending on the progress students are making toward comprehending the course material. Any changes in these dates will be announced in class.

**Extra credit (if any)** – Extra credit will become available from time to time. It can take several forms, including opportunities to participate in research projects and/or campus activities, and then writing brief reports about them. Extra credit opportunities are each worth 5 points.

**Electronic Device Usage** – Calculators, computers or tablets are required to complete the course.

**Grading:**
- A  90% or above
- B  80 - 89.99%
- C  79 - 79.99%
- D  60 - 69.99%
- F  below 60%

**Academic Integrity/Plagiarism**
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, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a zero the first time and failing the course for any additional offence.

**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. November 9, 2018 is the last day to drop a class with an automatic grade of “W” this term.

**Preferred methods of scholarly citations** – APA style is the only accepted method used for citations and referencing during this class. All work should be paraphrased rather than copied directly. Material used from sources other than the text should use APA style citations and references.

**Classroom/professional behavior**
Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the
Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

**Grade Appeals**

As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, 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 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 Dean’s office in the college in which the course is taught or the Office of the Provost.

**Disabilities Accommodations**

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 call or visit Disability Services at (361) 825-5816 in Corpus Christi Hall 116.

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.

**Statement of Academic Continuity**

In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

**Major Field Test (MFT):**

This course has been identified as critical to student mastery of the content covered by the Major Field Test (MFT). The MFT is required for all students pursuing the Bachelor of Business Administration degree. Students register for the MFT in BUSI0088, Major Field Test in Business. To prepare for this test, business majors are advised to retain their class notes, textbooks, and other
relevant materials from their business core courses in the areas referenced below. Completion of all College of Business core courses except MGMT 4388 is required. BUSI 0088 is CR/NC.

As an integral part of the College of Business’ Assurance of Learning program, the Major Field Test (MFT) is a nationally-normed, standardized multiple-choice test developed by the Educational Testing Service and administered to senior-level business students at many AACSB International accredited institutions in the United States. It is designed to measure students’ academic achievement through demonstration of their basic knowledge and understanding of key concepts, theories, and analytical methods in the functional areas of business. This test covers the areas of accounting, economics, finance, international issues, legal and social environment of business, management, marketing, quantitative business analysis, and information systems.

**TENTATIVE CLASS SCHEDULE**

<table>
<thead>
<tr>
<th>From</th>
<th>Topics</th>
<th>Chapter</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, August 28, 2018</td>
<td>Introduction to Statistics</td>
<td>Chapter 1</td>
<td>Read Chapter 1</td>
</tr>
<tr>
<td>Tuesday, September 4, 2018</td>
<td>Charts and Graphs</td>
<td>Chapter 2</td>
<td>Read Chapter 3</td>
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<tr>
<td>Tuesday, September 11, 2018</td>
<td>Descriptive Statistics</td>
<td>Chapter 3</td>
<td>Read Chapter 4</td>
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<tr>
<td>Tuesday, September 18, 2018</td>
<td>Introduction to Probability</td>
<td>Chapter 4</td>
<td>Read Chapter 5</td>
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<tr>
<td>Tuesday, October 2, 2018</td>
<td>Discrete Probability Distributions</td>
<td>Chapter 5</td>
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<tr>
<td>Tuesday, October 9, 2018</td>
<td><strong><strong>EXAM 1</strong></strong></td>
<td>Chapter 1-4</td>
<td>Read Chapter 6-7</td>
</tr>
<tr>
<td>Tuesday, October 16, 2018</td>
<td>Continuous Probability Distributions</td>
<td>Chapter 6</td>
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<tr>
<td>Tuesday, October 23, 2018</td>
<td>Sampling and Sampling Distributions</td>
<td>Chapter 7</td>
<td>Read Chapter 8</td>
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<tr>
<td>Tuesday, November 6, 2018</td>
<td>Estimation for Single Populations</td>
<td>Chapter 8</td>
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<tr>
<td>Tuesday, November 13, 2018</td>
<td><strong><strong>EXAM 2</strong></strong></td>
<td>Chapter 5-7</td>
<td>Read Chapter 9</td>
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<tr>
<td>Tuesday, November 20, 2018</td>
<td>Hypothesis Testing</td>
<td>Chapter 9</td>
<td>Read Chapter 12</td>
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<tr>
<td>Tuesday, December 4, 2018</td>
<td>Simple Linear Regression</td>
<td>Chapter 12</td>
<td></td>
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<tr>
<td>Tuesday, December 11, 2018</td>
<td><strong><strong>FINAL EXAM</strong></strong></td>
<td>Comprehensive**</td>
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*Subject to change with prior notice

** approximately 50% materials from Exam 1 and 2 and 50% materials from Chapter 9 and 12