Course Information
Meeting: Lecture: M-F 11AM-2:45PM
Professor: Dr. Mufid Abudiab
Office: CI 306
Phone: 361-825-6019
E-mail: mufid.abudiab@tamucc.edu
Class: URL: http://bb9.tamucc.edu
Office Hour: M-R 2:50-4PM

Course Description
This is a non-traditional math course with applications in business. In this class, we develop the fundamentals of probability and simulation using technology. This includes Basic Probability, Summation Notation, Expected Value, Conditional Probability, Baye’s Theorem, Compound Interest, Probability Distribution, Random Sampling, and Simulation.

Learning Objectives
After completion the course, students should be able to
1. Understand and use Basic Probabilities: Definitions and Properties
2. Use Word Processing Mathematics: Symbols, Equation Editor
4. Understand and use Expected Value: Random Variables, and Expectation.
7. Understand and use Bayes’ Theorem: Partitions, and Main Theorem.
8. Use Compound Interest: Discrete Compounding, Continuous Compounding, Logarithms, and Value of Money.
9. Use Histograms: Summarizing and Grouping data.
11. Understand and use Random Sampling: Random Samples, and Approximating.
13. The learner will strengthen his or her general academic skills (critical thinking, writing, verbal explanation, working collaboratively, assuming responsibility, and use of technology).
14. The learner will develop a broad base of business mathematics knowledge: Concepts, Basic skills, mathematical senses (quantitative, geometric, symbolic), and thinking process (problem solving, predicting, and generalizing).
Major Course Requirements
Successful completion of College Algebra (Math1314) or suitable placements are prerequisites for this course. The following assessments will be given during the semester: two examinations (20% each), final exam (30%), one class project (10%), several quizzes (10%), and several homework assignments (10%).

Required or Recommended Readings
The E-text “Mathematics for Business Decisions Part 1: Probability and Simulation”, Release 1.0, 2003, by Thompson and Lamoureux, Mathematical Association of America can be accessed through the university main server (sci.tamucc.edu/~math1324). The ID and password will provided to students on the first day of class. Each team needs to have a flash drive for projects and homework. Students need to consult the class web page on bb9.tamucc.edu regularly.

Course Policies
- Course grade will be based upon the percentage of the total possible points that a student earns and the following grading scale: A: >90% of total points, B: >80% of total points, C: >70% of total points, D: >60% of total points.
- The class web page will include a list of topics that will be studied during each class meeting. The e-text contains exercises which should be worked out while studying the material.
- Attendance is mandatory. Attendance will be checked each class period.
- I am available during regular office hours or through special arrangement.
- Each student is expected to take notes during lectures, and keep a record of his/her assignments, tests and overall grades.
- Last day of class is May 30th, 2014
- This class takes place during hurricane season. Keep in mind the following as found on the university’s website:
  - Listen to radio/TV for announcements of when to return to campus, or contact the University via the Public Information Hotline, (361) 825-0000.
  - Note: Radio Station KEYS (AM 1440) KZFM (95.5), KNCN (101.3), are the Emergency Alert Systems (EAS) stations for the Corpus Christi area, NOAA Weather Radio (Corpus Christi 162.44 MHZ).
  - Students that are calling from out of the Corpus Christi area can call the Public Information Hotline at: 1-361-825-0000 or Toll Free 1-888-234-4887.

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 failing the course.

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.

**Preferred methods of scholarly citations**

**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**

- **Grade Appeals (College of Science and Engineering Version):** 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 website at [http://www.tamucc.edu/provost/university_rules/index.html](http://www.tamucc.edu/provost/university_rules/index.html), and the College of Science and Engineering Grade Appeals webpage (http://sci.tamucc.edu/students/GradeAppeal.html). For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, 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.

- **Notice to Veterans:** 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

**Tentative Course Outline**
To be posted on the class blackboard page under weekly schedule tab by the first day of class.

**Changes**
The instructor may amend the syllabus at any time prior to the final exam by announcing the changes in class.