Course Information
Meeting Time and Place: TR 12:30 – 1:45 PM CCH 206
Instructor: Coulibaly Nene
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Web Page Address: http://faculty.tamucc.edu/ncoulibaly/
Office Address: CI 304
Office phone: 361-825-2219
Office hours: TR 11:00 AM – 12:30 PM & MW 4:45 PM – 5:30 PM

Course Description
This is a non-traditional math course with applications in business. It involves group projects, oral presentations, and written reports, using Excel to solve math problems, and the use of Power Point and the equation editor in Word. 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.

PREREQUISITE: Successful completion of College Algebra (Math 1314) or suitable placement.

Text and other supplies required
E-files are available online www.sci.tamucc.edu/~math1324
USB Flash Drive (at least 256 MB) or similar device.

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.
10. Understand and use Probability Distributions: Finite random Variables, Continuous random Variables, and
        Expected Value.
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).
        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).

**Instructional Methods and Activities**

Methods for instruction include the following:

- Lecture.
- Demonstrations.
- Activities, Presentation of the projects, and discussion of the tools for their solutions
- You will use the electronic text and its associated computer links to study the needed material.  This can be
  done on any computer that is equipped with Windows 98 or later, Office 2000 or later, a CD drive, and an
  internet connection.

**Class Policies**

- Team Homework will be given on regular basis and should be completed for grade. Due dates of the
  Homework will be posted on Blackboard and announced in class. Students will be given opportunity to ask
  questions about the homework at the beginning of each class after the homework is turned in.
  No late homework will be accepted unless there is a valid excuse.
- Each team will give two projects presentation during the semester on Loan Work Outs and Stock Option
  Pricing.  Final reports will be presented in both written and oral forms and should include a word file, and
  Excel file, and a PPT file. Missing your team project presentation will automatically result a score of 0
  points.
- Two semester tests will be administered in class on Thursday, March 7th, and Thursday, May 2nd. These
  dates may be changed with due notice announced during class time. You are allowed to bring in one page of
  notes, hand written one side on a sheet not larger than 8.5”x11”. Your name should be written in the top of
  the page in large and clear letters. Pages of notes and/or calculators cannot be shared. Cell phones cannot be
  used as calculators. If an extra credit work is assigned, or extra points are given, the total score should not
  exceed 100%. No points will be “saved” toward the next examination.
- **There will be no makeup for a missed semester test** unless for special circumstances. A missed semester
  test or final exam will result on a score of 0 points.
- Final exam will be administered on Thursday, May 9th from 11:00 am to 1:30 pm. It is a comprehensive
  examination over all material covered during the semester. **IT IS MANDANTORY TO TAKE THE
  FINAL.** You will be allowed to bring in one page of notes hand written on both sides. **ABSOLUTELY NO
  EARLY FINAL EXAMINATION**, so make travel arrangements accordingly. Also, your final exam score
will replace your lowest score on the two tests if and only if the score on the final exam is greater than the lowest score of the two tests. The opposite is not true.

- Attendance/Class Participation: Attendance will be taken each class. You will find it very hard to survive in this class if you do not attend class regularly. It will also determine you daily class participation, I expect each student to take notes during the lectures, to keep a record of his/her assignments, tests and grades. Talking during class time and tardiness are often disruptive to the whole class and are not appreciated. If you are delayed and arrived late please do so quietly. Excessive tardiness, disruptive talking, disruptive behavior or performing activities not related to the class will be counted as absences and may lower your class participation credit for that day. Cell phones and such must be turned off before class. The instructor is not responsible for informing absent students what was covered in previous classes, homework or any other announcements.

- A grade of incomplete will only be given in exceptional circumstances, such as a death in the family or personal injury that might prevent someone from taking the final exam. (Please notice that an incomplete grade can only be given to students that are passing the course but have not completed the required work for reasons beyond the students’ control). In this case, it is the responsibility of the student to notify me as soon as possible, preferably by email, and to fill the required "Incomplete Form" available from the University Registrar. If this is not done, a score of 0% will be assigned for any incomplete exams and a final grade will be computed using the criteria described above.

- Please check carefully the date and time of the tests as I cannot change them for any other reasons not considered truly exceptional, that is; beyond the students’ control.

- 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 grade of 0% on that assignment or test.

- Although obviously I hope all goes smoothly for you this semester, events can sometimes occur that make dropping a course necessary or wise. I encourage you to 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.

**FRIDAY April 12th**, is the last day to drop a class with an automatic grade of “W” this term. I cannot personally assign a grade of W.

- The instructor reserves the right to make changes to the above with due notice to the students. These changes will be announced in class and each student is responsible for keeping herself/himself informed of such changes.

- **Computer activities that are not related to class are not allowed during the class.**
In summary:

Final grades will be assigned as follows:

- **2 Exams** = 40% of grade
  - 90% - 100% = A
- **2 Team Projects** = 20% of grade
  - 80% - 89% = B
- **Homework** = 15% of grade
  - 70% - 79% = C
- **Class Participation** = 5% of grade
  - 60% - 69% = D
- **Final Exam** = 20% of grade
  - Below 60% = F

**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**

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.

**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 Driftwood 101. 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.

**Study Hints**

If you are having trouble with the material and are unable to see me during my office hours, you may get tutoring at the CASA on the second floor of the library. They have computers, skilled tutors and good places to work on assignments and answer questions. Whatever you choose to do, it is important not to fall behind in the material.

**Good luck and let’s have a great semester!**
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Thursday, May 9th : FINAL EXAM @ 11:00AM – 1:30 PM