Instructor: Dr. Vinod Venkiteshwaran  
OCNR 352, Ph (361)-825-3619  
Email: vinod.venkit@tamucc.edu  
Website: http://faculty.tamucc.edu/vvenkiteshwaran  
Office Hours: MW 8:30-9AM, 10-11AM, 12:30-2PM (and by appointment)

Course Description: This course will cover the use of spreadsheet analysis in financial applications and introduce students to spreadsheet tools and functions to conduct business and personal financial analysis, valuation of bonds and stocks, and financial forecasting.


Ancillary Resources: Textbook from FINA 3310- Essentials of Corporate Finance, 7\textsuperscript{th} Ed, Ross, Westerfield and Jordan and a financial calculator

Learning Objectives:
1) Formulate spreadsheet model layouts
2) Learn to use spreadsheets to perform time value of money analysis.
3) Use Solver and Goal Seek tools -Portfolio analysis
4) Create XY charts and other line charts
5) Perform regression analysis to analyze trends and estimate stock betas
6) Calculate portfolio statistics for 2-stock portfolios with risk free asset
7) Analysis of fixed income securities- Bond strategies and bond duration
8) Create Data Tables to conduct scenario and sensitivity analysis
9) Financial Forecasting Pro-forma financial statements
10) Special topic- Introduction to Monte Carlo Simulation

Relationship to Other Course Work: The material covered in this course will complement other Finance and Accounting courses and will be especially useful in the capstone course.

Instructional Methodology: The primary method of instruction will be through lectures and hands-on exercises in the computer lab.

Performance Evaluation and Grading:  
3 In-Lab Assignments – 60%  
Final Report (see end of document)-20%  
Quizzes, Class Participation, Attendance-20%
The standard alphabetical grading scale is employed where

<table>
<thead>
<tr>
<th>Grade</th>
<th>Score Range</th>
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<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
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<tr>
<td>B</td>
<td>80-90</td>
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<tr>
<td>C</td>
<td>70-80</td>
</tr>
<tr>
<td>D</td>
<td>60-70</td>
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<tr>
<td>F</td>
<td>&lt; 60</td>
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Failure to complete all 3 assignments or the Final report will automatically result in an F grade for the class. Because of the nature of a lab course, **any missed assignments cannot be made up.** If a student is able to demonstrate a **valid reason** for missing an assignment such as in the case of medical emergencies, then the **average grade on the remaining assignments** will be used in lieu of the missed assignment. **Only one such excuse will be tolerated.**

**Oral and Written Communication Requirements:**
Students are required to prepare formal written projects and oral presentations for the semester. Effective written communication is also necessary for exams. Students are expected to participate actively in class discussion of the topics and issues covered in the course, and will be rewarded though their class participation grade for doing so.

**Technology Applications:** Students are required to use computer applications, computer databases, and online information services for this course. Written presentations must be prepared with word processing software and the use of computer graphics and computer-based visuals is encouraged. The semester report requires that students use computer databases and online information services.

**Ethical Perspectives:** The difficulty of assigning financial values to human welfare, moral and ethical concepts in a cost-benefit or risk-return analysis is stressed. Ethics in financial analysis is stressed not only for the consumer but for employees, government, and stockholders.

**Global Perspectives:** Corporate investments and/or personal investments are global activities. This course while focused on the domestic U.S. markets is equally applicable to analysis of multinational companies and investments in global equity and debt markets.

**Diversity:**
Career opportunities for students of all ethnic backgrounds and genders are explored.

**Political, Social, Legal, Regulatory, and Environmental Perspectives:**
The course will consider the structure and regulation of securities markets to include the SEC, CFTC, and NASD and other regulators of the secondary mortgage market.

**Attendance Policy:**
Class attendance is mandatory and will be recorded. Students will be rewarded through their class participation score. Every absence over 2 absences for night courses will result in a 3 point reduction in the final grade.

**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.

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.

**Americans with Disabilities Act Compliance**
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 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.

**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. Please see the university website for 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 Rule13.02.99.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. For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.

**Summary of Topical Coverage:**

- Introduction to spreadsheets and Financial Modeling 2.50 hours
<table>
<thead>
<tr>
<th>Topic</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Basic Financial calculations in spreadsheets</td>
<td>2.50</td>
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<tr>
<td>Data Tables</td>
<td>2.50</td>
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<tr>
<td>Charts and graphs-XY Scatter plots</td>
<td>2.50</td>
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<tr>
<td>Regressions analysis</td>
<td>2.50</td>
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<tr>
<td>Using solver and goal seek functions</td>
<td>2.50</td>
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<tr>
<td>Portfolio statistics</td>
<td>5.00</td>
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<tr>
<td>Analysis and valuation of fixed income securities</td>
<td>5.00</td>
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<tr>
<td>Creating forecasting models and valuation</td>
<td>5.00</td>
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<tr>
<td>Random number generation and Monte Carlo Simulation</td>
<td>5.00</td>
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<tr>
<td>In-lab assignments/Quizzes</td>
<td>10.00</td>
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<tr>
<td>Total Hours</td>
<td>45.00</td>
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**Tentative Schedule:**

- Week 5- Assignment 1
- Week 10- Assignment 2
- Week 15- Assignment 3
- Week 16- Final Report