BUSINESS ANALYTICS
(Review of Statistics, Calculus and Time Value of Money)
2010

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Class Schedule
Saturday June 19th
Saturday June 26th
9:00 am – 4:00 pm
Class: Bldg. 0074 – Room 105

COB Office Hours
Use e-mail first ...
Then by appointment if necessary

BACKGROUND:
Course Description:
The field of business requires the specific application of a variety of analytical tools. (The course) integrates several key analytical tools into a specific business decision framework that focuses on the interrelationships of these tools as they are used in specific business decisions. After an on-line review/introduction of basic algebraic and financial equations, combines the concepts of time value of money, descriptive statistics, production functions, correlation, simple regression and specifically applied calculus into a decision-making framework. This framework will serve as a foundation for analysis in subsequent courses and create a model for considering the risk adjusted financial consequences of future business decisions.
(Source: https://nautical.uwf.edu/display.cfm?target=CrsMasterSearch&prex=GEB&sem=200708 )

OBJECTIVE:
Provide a review of major topics in the areas of statistics, calculus and time value calculations.

MY APPROACH THIS SEMESTER:
Online readings will provide reviews of algebra, calculus and statistics topics. Additional readings in the textbook will provide information about statistics concepts within a finance context. Further text readings will provide the basics of time value of money calculations.

CLASS NOTES AND STUDY MATERIALS:
All class materials are presented in the online readings or in the textbook referenced on my website at: http://www.uwf.edu/rconstand/GEB5898/GEB5898.htm (Note the pages are named with the old course number)

REQUIRED TEXTBOOK:
(Fundamentals of Financial Management, 11th. Ed., by Brigham & Houston)
There is a newer 12th edition and the page numbers for the readings will be different in this newer edition. Let me know if you are not able to find the 11th edition.

OFFICE HOURS AND PROFESSOR CONTACT:
No posted office hours but you can always contact me via e-mail for help and to set a face to face meeting if that is needed. I encourage you to use e-mail to ask questions about course content and the assignments.

TEXT ASSIGNMENTS:
There are end of chapter assigned questions in the text and the solutions are provided as a means of self checking and self evaluation of performance.
INTERNET ASSIGNMENTS:
Topic content as indicated on the website.

PREQUISITES / CO-REQUISITES:
Determined by MBA office.

GRADING:
- A short in-class quiz given the morning of the second class meeting is worth 20% of your final grade.
  The final exam is worth the other 80% of the final grade.
- The final exam is divided into three equal parts covering the calculus, statistics, and time value topics.
- A percentage grade and Pass/Fail decision is made for each of the three sections of the class based on
  the exam grades.

Equation Sheets, Calculators and Cell Phones for Exams:
You are allowed to bring 1 equation sheet (letter size sheet of paper) to the final exam. This sheet may contain
equations and the identification of the equation notation. These sheets cannot contain definitions, sample
problems worked with numbers, or characteristics or descriptions of any financial or economic concept. You
may not use a calculator that allows the storage of text (the TI Business Analyst II+ or HP 10-B is acceptable).
Cell phones must be turned off and put away during exams.

Student Learning Outcomes:
- The student will memorize basic concepts, terms and definitions relating to the three topic areas.
- The student will learn how to perform various calculations relating to the three areas of study.

TOPICS:
- Algebra: review of basic concepts (student’s responsibility)
- Statistics: basic concepts and review of mean, standard deviation, correlation, and OLS regression.
- Calculus: tangent slopes, continuous functions, applications of first and second derivative to economics
  and business
- Time Value: mathematics of calculating present and future values of single amounts and of annuities,
  applications to various business and financial decisions

Special Needs Assistance: Students with special needs must inform the instructor within the first week of the
course term of any personal circumstances that may require special consideration in meeting course
requirements or adhering to course policies. Students with special needs who require specific examination-
related or other course-related accommodations should contact Barbara Fitzpatrick, Director of Student
Disability Resource Center, SDRC@uwf.edu, (850) 474-2387. Student Disability Resource Center will provide
the student with a letter for the instructor that will specify any recommended accommodations.

Incomplete Grades:
Incomplete grades are not given.

Makeup Exams:
Makeup exams are not given.

Dropping Course After Last Day to Drop With A “W”:
If you drop the course after the last drop date I will have to assign a grade of “F”.
Special Technology Used by Students:
Calculus and statistics materials are located online. Students required to interact with professor via e-mail.

Your UWF Honor Code:
“As members of The University of West Florida academic community, we commit ourselves to honesty. As we strive for excellence in performance, integrity--both personal and institutional--is our most precious asset. Honesty in our academic work is vital, and we will not knowingly act in ways which erode that integrity. Accordingly, we pledge not to cheat, nor to tolerate cheating, nor to plagiarize the work of others. We pledge to share community resources in ways that are responsible and that comply with established policies of fairness. Cooperation and competition are means to high achievement and are encouraged. Indeed, cooperation is expected unless our directive is to individual performance. We will compete constructively and professionally for the purpose of stimulating high performance and standards. Finally, we accept adherence to this set of expectations for academic conduct as a condition of membership in the UWF academic community.” (Source: UWF Faculty Senate, May 10, 1991). Note that sharing information during exams is not allowed and will results in an “F” for the class.

Cell Phones:
Please keep all cell phones out of site and turned off (or on silent operation). Cell phones cannot be used or in sight during exams.

How to Study for Exams:
Material for the exam questions comes from the following sources:
1. Online readings
2. Textbook assignments (questions and problems) at the end of chapters
3. Class notes (from in-class discussions and black board examples)

Topics that are very important and covered in the final exam and quiz will be covered in class presentations.

Pre-Class Online Exam:
Note there is no online exam for you to take before class meets. On the morning of the second meetings you will have a short in-class quiz that replaces the pre-class test.

FINAL EXAM:
As scheduled by the MBA office.