



**College of Business Administration
Department of Economics
Statistical Methods for Business Decisions
Lecturer: O. Mikhail
ECO 6416-0001
Summer 2001**

Course Outline

Time : TR 18:00-20:50.
Location : BA 146.
Office : BA 360 – Phone: 407-823-4258.
Office Hours : TR 16:00 –17:25.
E-Mail : omikhail@hotmail.com / omikhail@bus.ucf.edu
Wed Page : <http://www.bus.ucf.edu/omikhail>

Objective:

This course is designed for MBA students. The objective is to learn how to use statistics to make informed business decisions. We will present the necessary tools for basic quantitative analysis. The focus is on single-equation regressions. This is an applied course in intermediate statistics. Emphasis will be on using EVIEWS[®] for statistical analysis. By the end of the class, students should be able to develop and carry regression analysis for business applications. Students are responsible for all materials in the textbook and in the lecture notes.

Evaluation:

Exam I	20 %
Exam II	20 %
Term Paper	30 %
Final Exam	30 %

Required Book:

Studenmund, A. H. (2001) *Using Econometrics; A Practical Guide*. Fourth Edition, Addison Wesley Longman. ISBN 0-321-06481-X.

Book Web Page http://occ.awlonline.com/bookbind/pubbooks/studenmund_awl/

Reading List:

Lecture 1	Statistical Principles. Chapter: 16.
Lecture 2	Overview and Basic. Chapter: 1.
Lecture 3	OLS estimator. Chapter: 2.
Lecture 4	Regression Analysis. Chapter: 3.
Lecture 5	Quantitative Micro Software: EVIEWS® http://www.eviews.com/ http://www.bus.ucf.edu/omikhail/eco6416/eviews/guide.htm
Exam I	EXAM I
Lecture 6	The Classical Model. Chapter: 4.
Lecture 7	Hypothesis Testing. Chapter: 5.
Lecture 8	Specification: Independent Variable. Chapter: 6.
Lecture 9	Specification: Functional Form. Chapter: 7.
Exam II	EXAM II
Lecture 10	Multicollinearity. Chapter: 8.
Lecture 11	Serial Correlation. Chapter: 9.
Lecture 12	Heteroskedasticity. Chapter: 10.
Lecture 13	Regression User's Handbook. Chapter: 11.

Important Dates:

May 8	Classes Begin.
May 9 – 11	Late Registration – Add/Drop.
May 28	Memorial Day.
June 1 st	Withdrawal deadline.
July 4 th	Independence Day.
July 9	Classes End.