

College of Business

TENNESSEE STATE UNIVERSITY

Semester and Year: Fall 2012 Course Syllabus

LOCATOR INFORMATION:

Course Name: ECON 3050 Quantitative Analysis II

Credit Hours: 03

Contact Hours: 45 hours

INSTRUCTOR: Name: Abu Wahid
Office: Holland Hall # 117
Phone: 615-963-5424(Holland Hall)
AWC: Room I-405
Phone: 615-963-7149(AWC)
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Office Hours: MW 11:15 am – 12:15pm at Holland Hall Room 217 and by appointment
MW 12:30 pm – 2:40pm at AWC Room I- 405 and by appointment

REQUIRED TEXTBOOK & MATERIALS: *Statistical Analysis Quantitative Methods Vol. 2 ; Customized Book by McGraw Hill, ISBN-13: 978-1-121-23596-0; ISBN-10: 1-121-23596-, 2011*

COURSE DESCRIPTION:

Review of basic statistics, as determined by the diagnostic test.
Chap 13 Correlation and Linear Regression
Chap 14 Multiple Linear Regression and Correlation
Chap 15 Forecasting
Chap 16 Management of Waiting Lines
Chap 17 Linear Programming
Chap 18 Linear Programming: Sensitivity Analysis, and Duality
Chap 19 Multi-criteria Decision –Making Models
Chap 20 Transportation, transshipment, and

PURPOSE OF THE COURSE:

To introduce students to the logic of statistical inference; to train students to use various statistical techniques to facilitate research and the making of decisions in business and economics; to train students to interpret the results generated from the application of various statistical techniques.

COURSE OBJECTIVES:

Students should acquire the ability to understand the meaning and significance of statistical applications they encounter in articles, books, and other sources as well as the skills to use and correctly interpret statistical techniques in their own research and decision-making in business and economics.

ACADEMIC INTEGRITY:

Academic honesty and integrity lie at the heart of any educational enterprise. Students are expected to do their own work and neither to give nor to receive assistance during quizzes and examinations. Deliberate violations of academic integrity

(plagiarism, cheating, misrepresentation, and fabrication of information) are not tolerated. Actions outlined in the Tennessee State University Student Handbook under Code of Student Conduct will be followed for incidents of academic misconduct.

REASONABLE ACCOMMODATIONS:

Any students requiring accommodations should contact Patricia Scudder, Director of Students with Disabilities—Disabled Student Services Office, at 963-7400, preferably before the fourth class meeting. The College of Business, in conjunction with the Office of Disabled Student Services, makes reasonable accommodations for qualified students with medically documented disabilities. I need to be aware of your status if it will affect your class activities and assignments---before assignments are due.

CODE OF STUDENT CONDUCT:

There will be no eating, drinking, sleeping or disruptive behavior in the classroom. Each student is encouraged to participate in classroom activities, ask questions, and work along with the class as recommendations/problem solutions to illustrations, examples, and cases are examined. Additionally, cell phones must be turned off upon entering the classroom and should remain so until class has ended. Action will be taken against those students who do not adhere to appropriate classroom behavior.

ATTENDANCE & LATE WORK: Attendance will be regularly taken in the class; Late work will be acceptable only on genuine grounds.

TEACHING STRATEGIES:

Questions and answers
Discussions and class participations
In class problem solving
Those who needs extra help would attend tutorial lab

EVALUATION CRITERIA:

Test I	Worth 25
Test II	Worth 25
Test III	Worth 25
Test IV	Worth 25
Research project (Due 2 weeks before the last class)	Worth 25
Comprehensive final exam in the Final Exam week	

GRADING SCALE:

A: 90-100
B: 80-89
C: 70-79
D: 60-69
F: 00-59

TENTATIVE SCHEDULE OF TOPICS

(Subject to changes)

Week 1: Review of basic statistics.
Week 2 & 3: Correlation and Linear Regression
Week 4&5: Multiple Linear Regression and Correlation
Week 6&7: Forecasting
Week 8&9: Management of Waiting Lines
Week 10&11: Linear Programming
Week 12: Linear Programming: Sensitivity Analysis, and Duality
Week 13: Multi-criteria Decision –Making Models
Week 14&15: Transportation, transshipment, and

ONLINE STUDENTS' EVALUATION:

Fall 2012: November 19- December 6
Spring 2013: April 15-May 1