King Saud University (RIYADH)
College of business administration
Department of Quantitative Analysis.

Business Forecasting (QUA 307)

Batch : Semester 2 (1438/1439)
Section: 50794
Credit hours : 3
Number of Sessions : 42
Course Facilitator: Dr. Najwan H. Alsadat
Office : Building 3 2nd Floor, Office No. 185   E-mail: nalsadat@ksu.edu.sa
Lecture   : day: 2, Time: 8-11
Office Hours   :   day: 1, 3, 5, Time: 12-1

Course Objectives

- The aim of this course is the understanding of forecasting methods for economic, social and administrative phenomena,
- To provide the student knowledge of the principles and basic concepts of forecasting methods and their uses and problems related
- To understand and use the modern software techniques for Modeling of the administrative problems in the predictable future.
- To prepare the students to perform scientific interpretation of current and future behavior for decision-making and policy based on sound statistical tools.

Content of the Course and Session Plan

Session	Content
Sessions 1-3	Introduction to forecasting
Sessions 4-6	A review of basic statistical concepts
Sessions 7-12	Simple linear regression models
Sessions 13-18	Multiple linear regression models
First Midterm (25 points) Monday (24/6/1439 - 12/3/2018) (8:30-10:00 AM)	
Sessions 19-21	Moving averaging methods
Sessions 22-27	Exponential smoothing methods
Sessions 28-32	Time series analysis
Second Midterm (25 points) Monday (23/7/1439 -9/4/2018) (8:30-10:00 AM)	
Sessions 34 - 38	Box-Jenkins models
Sessions 39 - 42	Applied examples for illustration
Duties (10 points)	
Final Exam (40 points)	

Text Book Recommended: Hanke and Wichern, **Business forecasting, Pearson International**, Ninth Edition.