University of Benha

Faculty of Commerce

Department of Economics

Module outline of:

ME326: Computer Applications of Management and Economics

Economics Part

Lecturer: Dr Doaa Akl Ahmed

Academic year: 2013-2014

Third grade

Second term

Website: http://www.bu.edu.eg/staff/doaaahmed4-courses/11720

Module aims

This course introduces students to how to use an econometrics packages (EViews) to estimate linear regression model. It starts with presenting the importance of such econometrics software in conducting applied research with a brief discussion of the econometrics background. Also, explaining different types of datasets and how to build an econometric model is a main part of the course. At the end of the course, students should be able to deal with EViews and could describe and summarise different types of data using descriptive statistics and graphs. In addition, they should be able to analyse the relation between two or more variables using correlation and regression analysis using Ordinary Least Squares (OLS). Finally, Diagnostic test of the basic OLS model will be discussed.

Module delivery:

The course will be taught through one and half hour weekly lectures and a one-hour computer class each two weeks. Lectures will be used for lecturing and tutorials will discuss the answers of questions sheet while computer classes will enable students from executing what he has learnt in lectures on the chosen software.

Assessment:

The course will be assessed by, a mid-term examination and final examination.

- A mid-term examination will constitute 20% of the final grade (i.e., 10 marks). The exact date of this exam will be announced later during the term.
- A final examination on ALL TOPICS will constitute 80% of the final grade.

Readings list:

Main text book:

Brooks, C. (2008), Introductory *Econometrics for Finance, Second edition,* Cambridge University Press

Supplementary book:

Agung, I. (2009) , Time Series Data Analysis Using EViews, Wiely John.