MET 2351 Econometrics

Program
Bachelor in Business and Finance (2. year), Bachelor of Science in Business (2. year).,
Bachelor of Science in Business (3. year).

Responsible for the course
Ulf Henning Olsson

Department
Economics

Term
According to study plan

ECTS Credits
6

Objective
The primary object of this course is to qualify the students in the use and understanding of some of the most popular statistical methods for dealing with quantitative data. Emphasis will be placed on understanding the statistical assumption on which the methods are based.

Prerequisites
Basic course in statistics

Compulsory literature
Books:
Studenmund, A.H. 2001. Using econometrics: A Practical guide. 4th ed. Boston,Mass.: Addison Wesley

Recommended literature
Books:
Gujarati, D.N. 2003. Basic econometrics. 4th ed. Boston, Mass.: McGraw-Hill

Course outline

1. Overview, ch. 1; OLS, ch. 2
2. Introduction, ch. 3; The Classical Model, ch. 4
3. Hypothesis Testing, ch. 5
4. Multiple regression, ch. 6 and ch. 7
5. Multicollinearity, ch. 8
6. Serial Correlation, ch. 9
7. Heteroskedastisity, ch. 10
8. Time series models, ch. 12
9. Simultaneous equations , ch. 14
10. Forecasting, ch. 15

Computer-based tools
This course requires use of computer resources. Recommended softwares are SPSS/MINITAB/MICROFIT

Course structure
The course consists of 36 lecturing houres. Additionally, the students are expected to spend time on exercises and assignments.

Evaluation
A four hour individual written examination, which partly is based on a case handed out approximately two weeks before examination.

Evaluation code(s)

MET 23511 - multiple choice examination which accounts for 100% of the grade in MET 2351 Econometrics, 6 ECTS credits.

Aids at the examination
All written aids are permitted.

Makeup exam
A re-sit is held at the next regular exam. The type og evaluation is changed from a four hour individual written exam to a threee hour individual mulitple choice exam. Students taking re-sit exam must take multiple choice.