APPLIES TO ACADEMIC YEAR 2009/2010

MET 2601 Statistics - MAKEUP EXAM

Programme
Bachelor of Science in Business (1. year).

Responsible for the course

Department
Department of Economics

Term
According to study plan

ECTS Credits
6

Language of instruction
Norwegian

Introduction
The use of abstract mathematical/statistical models has shown to be useful in several fields. In this course we present some well known models for practical application.

Objective
The objective of the course is to
- collect data and presentation of the data (Excel ans SPSS)
- understand how abstract models may be utilised to describe a more complex reality
- understand how probability theory can be used to describe the information in such models
- understand principles for statistical inference
- understand uncertainty principles
- learn to present knowledge based on abstract models.

The course is also a basis for several other courses within economy.

Prerequisites
Knowledge on a level of 2MX, (2MZ + 3MZ) or 2MY.

Compulsory reading
Books:
Løvås, Gunnar G. 2004. Statistikk for universiteter og høgskoler. 2. utg. Oslo : Universitetsforlaget. 390/10. Det er ikke hele boken som vil være pensum

Recommended reading
Books:
Berry, Donald A. & Bernard W. Lindgren. 1996. Statistics : theory and methods. 2nd ed. Belmont, Calif. : Duxbury Press
Johannessen, Asbjørn. 2007. Introduksjon til SPSS : versjon 14, 15 og 16. 3. utg. Oslo: Abstrakt forlag
Newbold, Paul, William L. Carlson, Betty M. Thorne. 2006. Statistics for business and economics. 6th ed. Upper Saddle River, N.J. : Prentice Hall
Newbold, Paul. Student solutions manual
Pallant, Julie. 2007. SPSS survival manual : a step by step guide to data analysing using SPSS for Windows. 3rd ed. Maidenhead : McGraw-Hill ; Open University Press

Course outline
1. Stochastic variables
2. Probability theory
3. Discrete probability distributions
4. Continuous probability distributions
5. Inference in dirscrete probability distributions
6. Inference in continuous probability distributions
7. Goodness of estimators
8. Covariation between stochastic variables

9. Simple linear regression analysis
10. Inference in a simple linear regression model
11. Goodness of fit of abstract models

Computer-based tools
Excel and SPSS

Course structure
54 hours lectures

Examination
Written exam (4 hours)

Exam code(s)
MET 26011 Statistics accounts for 100% of the grade. 6 ECTS.

Examination support materials
All aids + calculator TEXAS INSTRUMENTS BA II Plus™ are allowed.

Exam aids at written examiniations are explained under exam information in our web-based Student handbook. Please note use of calculator and dictionary.
http://www.bi.edu/studenthandbook/examaids

Re-sit examination
Due to changes in our Bachelor Programmes from autumn 2009, there also will be changes in every single course.

This course was lectured for the last time spring 2009. Re-sit exam will be offered every term even spring 2012.

Additional information