APPLIES TO ACADEMIC YEAR 2010/2011

MET 2920 Statistics

Programme
Bachelor in Auditing (1. year), Bachelor in Banking and Finance (SF), Bachelor in Business Administration (1. year), Bachelor in Business Law (1. year), Bachelor in Entrepreneurship (1. year), Bachelor in Finance (1. year), Bachelor in IT-management (1. year), Bachelor in Real Estate (1. year), Foundation Program in Business Administration

Responsible for the course

Department
Department of Economics

Term
According to study plan

ECTS Credits
7,5

Language of instruction
Norwegian

Introduction
Statistics is a basic statistics course that is included as a mandatory part of the bachelor programs in business administration subjects. The course is conducted in the spring semester.

Learning outcome
Acquired knowledge
After completing this course, students will have acquired knowledge of statistical concepts and thinking.

Acquired skills
It is a goal that the course will enable students to plan and conduct investigations using the most commonly used statistical methods. Students will be able to interpret the analysis results from for instance reports or computer printouts. After completing the course students should be familiar with the use of computer tools for statistical analysis.

Reflection
The aim is to develop a critical attitude to the interpretation of statistical results and to be critical of the condition durability. Particular emphasis is placed on applications related to economic issues so that students will be able to use statistics in courses that come later in the programme.

Prerequisites

Compulsory reading
Books:
Ubøe, Jan. 2008. Statistikk for økonomifag. 3. utg. Oslo : Gyldendal akademisk

Recommended reading

Course outline

Descriptive statistics	chapter 1
Probability Models and Probability	chapter 2 -4
Probability Distributions and Estimation	chapter 5 - 8 except Poisson-distribution, Opsjoner og Lotterimodellen
Hypothesis Testing	chapter 9
Parametric and Non-parametric Tests	chapter 10
Correlation	chapter 11 to page 258

Computer-based tools

Learning process and workload
The course has 54 hours and will consist of lectures, where the curriculum is reviewed, exercises in SAS JMP, and assignments. Problem solution will be a central part of the joint lectures, where papers are introduced in class and feedback given when these are reviewed and discussed in class. For each week a work program with literature references and tasks will be prepared. Students must acquire the substance in the reference literature and solve problems. Some of the tasks will be discussed in the plenary sessions. In lectures the theory will be discussed by using multiple data sets and related tasks. The final exam will be based on the assumption that the student has worked with these exercises throughout the semester.

Recommended use of hours:

Activity	**Hours**
Participation in class	54
Preparation for lectures/ reading literature	66
Exercises	75
Examination	5
Total recommend use of hours	**200**

Use of hours

Examination
A 5-hour individual written examination concludes the course.

Examination code(s)
MET 29201 Written examination accounts for 100% of the grade in the course MET 2920 Statistics, 7,5 ECTS credits

Examination support materials
All support materials plus examination calculator TEXAS INSTRUMENTS BA II Plus™ are allowed

Re-sit examination
A re-sit is held every semester.

Additional information