



Keilir
Miðstöð vísinda,
fræða og atvinnulífs

Information technology and Statistics 2B (UTÖ2B06)

Preliminary University Studies Department

Course description

Students receive training in the use of spreadsheets (Excel) and the possibilities that they offer. An emphasis is put on the set up of simple business plans and the use of built-in financial functions in spreadsheets. The basics of statistics will be covered in addition to the processing of statistical data. Statistics and probability math will be covered along with the analysis and presentation of statistical data. Students should know the definitions of a data array and how to determine the size, characterizing it's distribution.

Students gain understanding of the methods that statistics has to offer when solving statistical problems at university and in the work field. Moreover, an emphasis is put on the use of electronic data bases, i.e. Statistics Iceland, The Central Bank and more.

Prerequisites (Required preparation)

Information technology and computer use in the Preliminary University Studies Department at Keilir

Competence level

2

Credits

6

By the end of the course

The student has acquired knowledge and understanding of:

- the advantages of using the computer program Excel
- the major characteristic numbers of the numeric data, sizes and distribution
- the main electronic data bases that contain numerical and statistical information
- how to make the best use of the advantages of Excel in work and play
- know the rules regarding the use of electronic material as sources

The student has acquired the skill to:

- make simple business plans in Excel
- be able to work with and describe the data in a graphic and numerical way
- use the World Wide Web to look for information and work with online data bases

Student can use the knowledge and skill which he/she has acquired to:

- gain a theoretical background that can be used as a stepping stone in further studies
- know the methods that statistics has to offer in solving problems
- be able to use Excel in solving statistical problems/projects
- know the definitions of a data array and how to determine the size, characterizing it's distribution.

Course assessment

The course is assessed in a variety of ways, there among group work, individual assignments, quizzes and a final exam that will make up part of the final grade.