

Entitlement

Business Informatics, 5 ECTS

Prerequisites

B1 level of English language...

Main aim

To give knowledge of business informatics and train to apply them in practice solving tasks of economics, management, finance mathematics and statistics.

Summary

Business informatics focuses much attention on financial business tasks solution analysis, application of a spreadsheet in dealing with accounts and analysing financial activities. During the course students will learn to register and process the business information, forecast the results. They will learn to use MS EXCEL programme (list making, grouping and selecting, formatting dynamic tables of summaries) in processing the documents collected. They will be able to use statistical and financial functions.

Learning Outcomes

1.	Use Excel financial functions for credit operations, investment turnover calculations and depreciation calculations.
2.	Determine dependence of data, statistically process survey data and calculate statistical estimates.
3.	Register and process business information, sort, filter and group data, create different reports, protect data and files.
4.	Collect, analyze and systematize economic information using a variety of analysis methods, use different sources of information and information technology.
5.	Make mathematical model for optimal solution. Use MS Excel Add-In Solver for optimization task solution.

Syllabus

1.	Financial tasks
2.	Making of statistical resumes and processing
3.	Business information data lists and processing
4.	Optimization tasks and solution

Evaluation procedure of knowledge and abilities

$FE = 0,5 \cdot X1 + 0,5 \cdot X2$, as
 FE – final evaluation;
 X1 – control work;
 X2 – Exam