Managerial Problem Solving  12-MPS-152-m01

Module coordinator
holder of the Chair of Information Systems Engineering

Module offered by
Faculty of Business Management and Economics

ECTS  5
Method of grading  numerical grade
Only after succ. compl. of module(s)  --

Duration  1 semester
Module level  undergraduate
Other prerequisites  --

Contents
The course offers an introduction to computer-based techniques for modelling and solving quantitative business problems. We will use Excel and R software packages.

Intended learning outcomes
- Prepare, visualize and analyze data sets using Excel and R
- Select and forecast different time series problems
- Understand simple, multiple and dummy regressions
- Implement and solve linear optimization problems using the Excel Solver

Courses (type, number of weekly contact hours, language — if other than German)
V (2) + Ü (2)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
a) written examination (approx. 60 minutes) or b) portfolio: completion of exercises (approx. 12 exercise sheets, approx. 3 pages each)
Language of assessment: German and/or English
credible for bonus

Allocation of places
40 places. (1) Should the number of applications exceed the number of available places, places will be allocated by lot among all applicants irrespective of their subjects. (2) Places on all courses of the module with a restricted number of places will be allocated in the same procedure. (3) A waiting list will be maintained and places re-allocated by lot as they become available.

Additional information
--

Referred to in LPO I (examination regulations for teaching-degree programmes)
--

Module appears in
Bachelor' degree (1 major) Business Management and Economics (2015)
Bachelor' degree (1 major) Economathematics (2015)
Bachelor' degree (1 major) Business Information Systems (2015)
Bachelor' degree (1 major) Business Information Systems (2016)
Bachelor' degree (1 major) Economathematics (2017)
Bachelor' degree (1 major) Business Information Systems (2019)
Bachelor' degree (1 major) Business Management and Economics (2019)