## Module title

Operations Research

### Abbreviation

12-LM-112-m01

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## Module coordinator

holder of the Chair of Business Management and Business Information Systems

## Module offered by

Faculty of Business Management and Economics

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### ECTS

5

### Method of grading

Numerical grade

### Only after succ. compl. of module(s)

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### Duration

1 semester

### Module level

Graduate

### Other prerequisites

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## Contents

Content:
The module familiarises students with essential fundamentals, concepts and methods of logistics applications.

- Modelling
- Graph theory
- Network technology
- Flows in networks
- Touring / route planning
- From heuristics to optimisation
- Simulation

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## Intended learning outcomes

The students
(i) have significant knowledge of the fundamentals, concepts and methods of logistical applications and
(ii) can recognize their economic importance and consequences.

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## Courses

(V + Ü (no information on SWS (weekly contact hours) and course language available)

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## Method of assessment

(a) written examination (approx. 60 minutes) or (b) term paper (approx. 15 pages)

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## Allocation of places

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## Additional information

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## Referred to in LPO I

(examination regulations for teaching-degree programmes)

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## Module appears in

Master’s degree (1 major) Business Information Systems (2011)