## Module Description

### Module title
Operations Research

### Abbreviation
12-LM-111-m01

### Module coordinator
holder of the Chair of Business Management and Business Information Systems

### Module offered by
Faculty of Business Management and Economics

### 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 logistical applications.

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

### 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.

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

### Method of assessment
a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages)

### Allocation of places
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
Master's degree (1 major) Economathematics (2011)
Master's degree (1 major) Business Management (2011)
Master's degree (1 major) Economics (2011)
Master's degree (1 major) China Business and Economics (2014)
Master's degree (1 major) China Business and Economics (2012)
Master's degree (1 major) Chinese and Economics (2014)
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