**Module title**: Operations Research  
**Abbreviation**: 12-LM-111-m01

<table>
<thead>
<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
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<tbody>
<tr>
<td>holder of the Chair of Business Management and Business Information Systems</td>
<td>Faculty of Business Management and Economics</td>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
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<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<tr>
<td>1 semester</td>
<td>graduate</td>
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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

### 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)

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### 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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