### Module title
Operations Research for students of other subjects

### Abbreviation
10-M-ORSaf-152-m01

### Module coordinator
Dean of Studies Mathematik (Mathematics)

### Module offered by
Institute of Mathematics

### ECTS
10

### Method of grading
numerical grade

### Only after succ. compl. of module(s)
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### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
Linear programming, duality theory, transport problems, integral linear programming, graph theoretic problems.

### Intended learning outcomes
The student is acquainted with the fundamental methods in operations research, as required as a central tool for solving many practical problems especially in economics. He/She is able to apply these methods to practical problems, both theoretically and numerically.

### Courses
V (4) + Ü (2)

### Method of assessment
- a) written examination (approx. 90 to 180 minutes, usually chosen) or
- b) oral examination of one candidate each (15 to 30 minutes) or
- c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate)

Assessment offered: In the semester in which the course is offered and in the subsequent semester

Language of assessment: German and/or English

Creditable for bonus

### 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
- Bachelor’ degree (1 major) Computer Science (2015)
- Master’s degree (1 major) Physics (2016)
- Bachelor’ degree (1 major) Computer Science (2017)
- Bachelor’ degree (1 major) Computer Science (2019)
- Master’s degree (1 major) Physics (2020)
- Master’s degree (1 major) Physics International (2020)
- Bachelor’ degree (1 major) Computer Science und Sustainability (2021)