Module title: Operations Research for Mathematical Physics  
Abbreviation: 10-M-ORSP-152-m01

Module coordinator: Dean of Studies Mathematik (Mathematics)
Module offered by: Institute of Mathematics

ECTS: 10  
Method of grading: numerical grade
Duration: 1 semester  
Module level: undergraduate

Other prerequisites: --

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

Allocation of places: --

Additional information: --

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

Module appears in:
- Bachelor' degree (1 major) Mathematical Physics (2015)
- Bachelor' degree (1 major) Mathematical Physics (2016)