**Module title**  
Numerical Mathematics 1  
**Abbreviation**  
10-M-NM1-072-m01

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

**Module offered by**  
Institute of Mathematics

**ECTS** | **Method of grading** | **Only after succ. compl. of module(s)**  
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8 | numerical grade | --

**Duration** | **Module level** | **Other prerequisites**  
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1 semester | undergraduate | --

**Contents**
Solution of systems of linear equations and curve fitting problems, nonlinear equations and systems of equations, interpolation with polynomials, splines and trigonometric functions, numerical integration.

**Intended learning outcomes**
The student is acquainted with the fundamental concepts and methods in numerical mathematics, applies them to practical problems and knows about their typical fields of application.

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

**Method of assessment**
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
a) written examination (90 minutes; usually chosen) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes)

**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 (2007)  
Bachelor’ degree (1 major) Mathematics (2007)  
Bachelor’ degree (1 major) Physics (2007)