### Module description

#### Module title
Topics in Algebra

#### Abbreviation
10-M=AALGin-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)
--

#### Duration
1 semester
graduate

#### Module level
graduate

#### Other prerequisites
--

### Contents
Contemporary topics in algebra, for example coding theory, elliptic curves, algebraic combinatorics or computer algebra.

### Intended learning outcomes
The student is acquainted with fundamental concepts and methods in a contemporary field of algebra, and is able to apply these skills to complex questions.

### Courses (type, number of weekly contact hours, language — if other than German)

V (4) + Ü (2)

Module taught in: English

### 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 (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate)

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

Language of assessment: English

Creditable for bonus

### Allocation of places
--

### Additional information
--

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

### Module appears in
Master’s degree (1 major) Mathematics International (2015)
Master’s degree (1 major) Mathematics International (2021)