## Module title
Research in Groups - Number Theory

## Abbreviation
10-M=GNTH-161-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
Graduate

## Other prerequisites
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## Contents
Selected modern topics in number theory (e.g. algebraic number theory, modular forms, diophantine analysis).

## Intended learning outcomes
The student gains insight into contemporary research problems in number theory. He/She masters advanced techniques in this field and can apply them to complex problems.

## Courses
**V (2) + S (2)**
Module taught in: German and/or English

## Method of assessment
**talk (60 to 120 minutes)**
Assessment offered: In the semester in which the course is offered and in the subsequent semester
Language of assessment: German or English

## 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) Mathematics (2016)
- Master's degree (1 major) Mathematical Physics (2016)
- Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)
- Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016)
- Master's degree (1 major) Mathematics (2019)