Module title: Study Group Number Theory

Abbreviation: 10-M=GZTH-102-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: graduate

Other prerequisites: Registration for the seminar must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Some seminars or workshops might only be open for students with previous knowledge and/or skills in certain areas. Where applicable, details will be specified in the class schedule.

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:

\( V + S \) (no information on SWS (weekly contact hours) and course language available)

Method of assessment:
At the beginning of the course, the lecturer will choose one or two of the following methods of assessment: a) seminar presentation (approx. 60 to 120 minutes), b) written elaboration of contents equivalent to a seminar presentation of approx. 60 to 120 minutes, c) written examination (approx. 90 to 120 minutes), d) oral examination of one candidate each (approx. 20 minutes), e) oral examination in groups (groups of 2, approx. 30 minutes).

Language of assessment: German, English

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 (2012)
Master's degree (1 major) Mathematics (2010)
Master's degree (1 major) Mathematical Physics (2012)