Current Topics in Mathematical Physics

Module coordinator
chairperson of examination committee Mathematische Physik (Mathematical Physics)

Module offered by
Faculty of Physics and Astronomy

ECTS
8

Method of grading
Only after succ. compl. of module(s)

Numerical grade

Duration
1 semester

Module level
undergraduate

Other prerequisites
Approval from examination committee required.

Contents
Current topics of Mathematical Physics. Accredited academic achievements, e.g. in case of change of university or study abroad.

Intended learning outcomes
The students have advanced competencies corresponding to the requirements of a module of Mathematical Physics of the Bachelor’s programme. They have knowledge of a current subdiscipline of Mathematical Physics and understand the numeric and analytic methods necessary to acquire this knowledge. They are able to classify the subject-specific contexts and know the application areas.

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

V (4) + R (2)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes).

If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest.

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)
Bachelor’ degree (1 major) Mathematical Physics (2020)