### Module title

**Advanced Topics in Solid State Physics**

**Abbreviation**

11-CSFM-Int-201-m01

### Module coordinator

Managing Director of the Institute of Theoretical Physics and Astrophysics

### Module offered by

Faculty of Physics and Astronomy

### ECTS

6

### Duration

1 semester

### Method of grading

numerical grade

### Only after succ. compl. of module(s)

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### Module level

graduate

### Other prerequisites

Approval from examination committee required.

### Contents

This module will enable the lecturers of condensed matter physics to teach advanced courses on topics not covered in any of the other modules. These topics may relate either to recent research developments or to subjects not included in the regular curriculum.

### Intended learning outcomes

In-depth knowledge and understanding of an advanced topic in condensed matter physics. Insight into the interface between teaching and research.

### Courses

**V (3) + R (1)**

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) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) 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: 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) Physics International (2020)

Master's degree (1 major) Quantum Engineering (2020)

JMU Würzburg • generated 23.08.2021 • Module data record 110415