### Module title
Advanced Topics in Nanostructure Technology

### Abbreviation
11-CSNM-161-m01

### Module coordinator
Managing Director of the Institute of Theoretical Physics and Astrophysics

### Module offered by
Faculty of Physics and Astronomy

### ECTS
6

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

### Numerical grade
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
Approval from examination committee required.

### Contents
This module allows lecturers of the nanotechnology study programme to give lectures on advanced topics that can not be covered by any other module. These lectures may either reflect new developments in research or deal with topics that are not included in the regular teaching cycle.

### Intended learning outcomes
The students advance their knowledge and understanding of an advanced topic of nanostructure technology and acquire insights into the connections between research and teaching.

### Courses
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<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
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### Method of assessment
- written examination (approx. 90 to 120 minutes)
- oral examination of one candidate each (approx. 30 minutes)
- oral examination in groups (groups of 2, approx. 30 minutes per candidate)
- project report (approx. 8 to 10 pages)
- 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
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### Additional information
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### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
- Master's degree (1 major) Nanostructure Technology (2016)
- Module studies (Master) Nanostructure Technology (2019)
- Master’s degree (1 major) Nanostructure Technology (2020)