### Module title

FOKUS Research Module Topology in Solid State Physics

### Abbreviation

11-FM-TFP-141-m01

### Module coordinator

chairperson of examination committee

### Module offered by

Faculty of Physics and Astronomy

### 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

Specific and advanced knowledge of independent scientific work in a current research area, especially in the specialist field.

### Intended learning outcomes

The students have special and advanced knowledge of independent scientific work in a current research area.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
<th>Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topologie in der Festkörperphysik (Topology in Solid State Physics): V</td>
<td>(3 weekly contact hours) + Ü/P (1 weekly contact hour)</td>
<td>German or English, once a year (summer semester)</td>
<td></td>
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<tr>
<td>Kompaktseminar Topologie in der Festkörperphysik (Block Taught Seminar Topology in Solid State Physics): S</td>
<td>(2 weekly contact hours)</td>
<td>German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break)</td>
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### Method of assessment

This module has the following assessment components

1. Topics covered in lectures and exercises: written examination (approx. 90 minutes) or talk (approx. 30 minutes) or oral examination of one candidate each or oral examination in groups (approx. 30 minutes) or project report (approx. 8 pages)
2. Seminar: talk (approx. 30 to 45 minutes)

Assessment components 1 and 2 will be offered in German or English.

Students must register for assessment components 1 and 2 online (details to be announced).

Assessment component 1 will be offered once a year in the summer semester; details on when assessment component 2 will be offered to be announced.

To pass this module, students must pass both assessment component 1 and assessment component 2.

### 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) FOKUS Physics (2010)

Master's degree (1 major) FOKUS Physics (2011)