**Module title**
FOKUS Research Module Low Dimensional Structures

**Abbreviation**
11-FM-NDS-092-m01

<table>
<thead>
<tr>
<th>Module coordinator</th>
<th>Module offered by</th>
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<tbody>
<tr>
<td>chairperson of examination committee</td>
<td>Faculty of Physics and Astronomy</td>
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<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tbody>
<tr>
<td>8</td>
<td>numerical grade</td>
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<tr>
<th>Duration</th>
<th>Module level</th>
<th>Other prerequisites</th>
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<tr>
<td>1 semester</td>
<td>graduate</td>
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**Contents**
Specific and advanced knowledge of independent scientific work in the field of low-dimensional structures. Crystal lattice symmetry, lattice dynamics, growth techniques

**Intended learning outcomes**
The students have special and advanced knowledge of independent scientific work in the field of low-dimensional structures.

**Courses**
(type, number of weekly contact hours, language — if other than German)
Niederdimensionale Strukturen (Low Dimensional Structures): V (2 weekly contact hours) + Ü/P (1 weekly contact hour), German or English, once a year (details to be announced)
Kompaktseminar Niederdimensionale Strukturen (Block Taught Seminar Low Dimensional Structures): S (2 weekly contact hours), German or English, details on availability to be announced (block taught seminar (3 days), usually held during semester break)

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