**Module title**  
Computational Physics

**Abbreviation**  
11-Ai-072-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**  
numerical grade

**Duration**  
1 semester

**Module level**  
undergraduate

**Other prerequisites**  
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### Contents

Introduction to two of the programming languages relevant for students of Physics and Engineering, solving physical problems with computer programmes.

### Intended learning outcomes

The students have acquired the following transferable skills: Basic knowledge of two programming languages, skills in working with computers, knowledge of algorithms to solve numeric physical problems.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>V + Ü</td>
<td>(no information on SWS (weekly contact hours) and course language available)</td>
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### Method of assessment

written examination (approx. 120 minutes)

### 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**

- Bachelor's degree (1 major) Physics (2007)
- Bachelor's degree (1 major) Physics (2009)
- Bachelor's degree (1 major) Physics (2008)
- Bachelor's degree (1 major) Nanostructure Technology (2008)
- Bachelor's degree (1 major) Nanostructure Technology (2007)
- Bachelor's degree (1 major, 1 minor) Physics (Minor, 2008)