## Module description

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Physics 1 (Theoretical Mechanics)</td>
<td>11-T1-072-m01</td>
</tr>
</tbody>
</table>

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

### Module offered by
Faculty of Physics and Astronomy

### ECTS
8

### Method of grading
Numerical grade

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

### Duration
1 semester

### Module level
Undergraduate

### Other prerequisites
--

### Contents
Newtonian mechanics, Lagrangian mechanics, Hamiltonian equation of motion, conservation laws.

### Intended learning outcomes
The students have knowledge of the principles of classical theoretical mechanics and the required calculation methods.

### Courses
V + Ü (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
Written examination (approx. 120 minutes)

### Allocation of places
--

### Additional information
--

### Referred to in LPO I
(examination regulations for teaching-degree programmes)

### Module appears in
- Bachelor' degree (1 major) Mathematics (2008)
- Bachelor' degree (1 major) Mathematics (2007)
- Bachelor' degree (1 major) Physics (2007)
- Bachelor' degree (1 major) Physics (2009)
- Bachelor' degree (1 major) Physics (2008)
- Bachelor' degree (1 major) Nanostructure Technology (2008)
- Bachelor' degree (1 major) Nanostructure Technology (2007)
- Bachelor' degree (1 major) Computational Mathematics (2009)
- Bachelor's degree (1 major, 1 minor) Physics (Minor, 2008)