### Module description

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical Electrodynamics</td>
<td>11-ED-141-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

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>numerical grade</td>
<td>--</td>
</tr>
</tbody>
</table>

#### Duration
1 semester

#### Module level
undergraduate

#### Other prerequisites
--

### Contents
Principles of electrostatics, magnetostatics, Maxwell equations, covariant formulation, electrodynamics and matter

### Intended learning outcomes
The students have knowledge of the principles of classical electrodynamics 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 (2014)
Bachelor' degree (1 major) Computational Mathematics (2014)