## Module description

**Module title**  
Theoretical Electrodynamics 

**Abbreviation**  
11-ED-141-m01

**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

**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)