Module description

**Module title**
Theoretical Physics 1 for Pre Service Teachers

**Abbreviation**
11-L-T1-172-m01

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

**Module offered by**
Faculty of Physics and Astronomy

**ECTS**
7

**Method of grading**
umerical grade

**Only after succ. compl. of module(s)**
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**Duration**
1 semester

**Module level**
unknown

**Other prerequisites**
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**Contents**

**Intended learning outcomes**
Students have an understanding of the fundamental laws of the interrelationships and elementary methods of theoretical physics from the theoretical mechanics, quantum mechanics, thermodynamics, electrodynamics and statistical physics. They can use the acquired theoretical concepts and fit into larger physical context and discuss.

**Courses**
(type, number of weekly contact hours, language — if other than German)

V (4) + Ü (2)

Module taught in: Ü: German or English

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

written examination (approx. 120 minutes)

Language of assessment: German and/or English

creditable for bonus

**Allocation of places**
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**Additional information**
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

§ 77 I Nr. 1 c)

**Module appears in**
First state examination for the teaching degree Gymnasium Physics (2018)