## Module title

Theoretical Physics 3 FOKUS (Theoretical Quantum Mechanics)

## Abbreviation

11-T3F-072-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

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

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## Duration

1 semester

## Module level

Undergraduate

## Other prerequisites

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## Contents

Limits of classical physics, Schrödinger equation, mathematical foundations of quantum mechanics, harmonic oscillator, angular momentum and spin, hydrogen atom, many-particle systems

## Intended learning outcomes

The students have knowledge of the principles of quantum 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

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## Additional information

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## Referred to in LPO I

(examination regulations for teaching-degree programmes)

## Module appears in

- 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)
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