# Selected Topics in Algorithms

**Module title**
Selected Topics in Algorithms

**Abbreviation**
10-I=AKA-161-m01

**Module coordinator**
holder of the Chair of Computer Science I

**Module offered by**
Institute of Computer Science

**ECTS**
5

**Method of grading**
numerical grade

**Duration**
1 semester

**Module level**
graduate

**Other prerequisites**
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## Contents
Selected topics in algorithmics and theory.

## Intended learning outcomes
The students understand the basic approach of algorithmic computer science. They are able to understand the solutions of complex problems in this area and apply them to similar questions.

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

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## 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. 60 to 120 minutes).
If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).
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)
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## Module appears in

- Master's degree (1 major) Computer Science (2016)
- Master's degree (1 major) Mathematics (2016)
- Master's degree (1 major) Computational Mathematics (2016)
- Master's degree (1 major) Computer Science (2017)
- Master's degree (1 major) Computer Science (2018)
- Module studies (Master) Computer Science (2019)
- Master's degree (1 major) Computational Mathematics (2019)
- Master's degree (1 major) Mathematics (2019)
- Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)
- Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020)
- Master's degree (1 major) Aerospace Computer Science (2020)
- Master's degree (1 major) Computer Science (2021)
- Master's degree (1 major) Aerospace Computer Science (2021)