**Module title**  
Selected Topics in Algorithms and Theory

**Abbreviation**  
10-I=AKAT-141-m01

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

**Module offered by**  
Institute of Computer Science

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tbody>
<tr>
<td>5</td>
<td>numerical grade</td>
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**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 and theoretical computer science. They are able to understand the solutions to complex problems in this area and to apply them to similar questions.

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

V + Ü (no information on SWS (weekly contact hours) and course language available)

**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 can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  
Language of assessment: German, English

**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 (2014)