inf487 - Current Topics in 'Correct Systems Design' II

<table>
<thead>
<tr>
<th>Module label</th>
<th>Current Topics in 'Correct Systems Design' II</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf487</td>
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<tr>
<td>Credit points</td>
<td>3.0 KP</td>
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<tr>
<td>Workload</td>
<td>90 h</td>
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<tr>
<td>Used in course of study</td>
<td>Master's Programme Computing Science &gt; Theoretische Informatik</td>
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<tr>
<td>Contact person</td>
<td>Ernst-Rüdiger Olderog, Die im Modul Lehrenden</td>
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Module responsibility
- Ernst-Rüdiger Olderog
- Die im Modul Lehrenden

Authorized examiners
- Ernst-Rüdiger Olderog
- Die im Modul Lehrenden

Entry requirements

Skills to be acquired in this module
This module integrates current developments in the field in adequate study courses.

Professional competences
The students:
- Define and contrast a computer science part, in which they are specialised, in detail or evaluate computer science in general
- Recognise and evaluate applied techniques and methods of their subject and are aware of their limits
- Identify, structure and solve problems/tasks, also in new or developing subject areas
- Apply state of the art and innovative methods to solve problems, if necessary from other disciplines
- Are aware of the current limits and contribute to the development of computer science research and technology
- Discuss and evaluate recent computer science developments

Methodological competences
The students:
- Examine tasks with technical and research literature, write an academic article and present their solutions academically
- Evaluate problems/tasks, including new or developing subject areas of their discipline and apply computer science methods for solutions and research
- Schedule time processes and resources

Social competences
The students:
- Communicate with users and experts convincingly

Self-competences
The students:
- Pursue the overall and special computer science development critically
- Develop and reflect self-developed hypotheses to theories independently

Module contents
See assigned course description

Reader's advisory
As announced in course

Links

Language of instruction
German

Duration (semesters)
1 Semester

Module frequency
unregelmäßig

Module capacity
unlimited

Modullevel
AS (Akzentsetzung)

Modulart
Wahlpflicht

Lern-/Lehrform / Type of program
S or V
Vorkenntnisse / Previous knowledge

<table>
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<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Presentation or oral exam</td>
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**Course type**  
Course or seminar

**SWS**  
2.00

**Frequency**  
WiSe

**Workload attendance**  
28 h