inf487 - CurrentTopics in 'Correct Systems Design' II

Module label
CurrentTopics in 'Correct Systems Design' II
Module code
inf487
Credit points
3.0 KP
Workload
90 h
Used in course of study
• Master's Programme Computing Science > Theoretische Informatik
Contact person

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
unregelmäßige
Module capacity
unlimited
Modullevel
AS (Akzentsetzung)
Modulart
Wahlpflicht
Lern-/Lehrform / Type of program
S or V
**Vorkenntnisse / Previous knowledge**

<table>
<thead>
<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Presentation or oral exam</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course type</th>
<th>SWS</th>
<th>Frequency</th>
<th>Workload attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course or seminar</td>
<td>2.00</td>
<td>WiSe</td>
<td>28 h</td>
</tr>
</tbody>
</table>