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

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:

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>

#### Course type
- Course or seminar

#### SWS
- 2.00

#### Frequency
- WiSe

#### Workload attendance
- 28 h