inf484 - Special Topics in 'Correct Systems Design' I

Module label: Special Topics in 'Correct Systems Design' I
Module code: inf484
Credit points: 6.0 KP
Workload: 180 h
Used in course of study: Master's Programme Computing Science > Theoretische Informatik
Contact person: Ernst-Rüdiger Olderog

Module responsibility
- Ernst-Rüdiger Olderog
- Die im Modul Lehrenden

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

Entry requirements
This module integrates current developments in the field in adequate study courses.

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:

- evaluate and apply tools, technology and methods sophisticatedly
- combine new and original approaches and methods creatively
- evaluate problems/tasks, including new or developing subject areas of their discipline and apply computer science methods for solutions and research

Social competences
The students:

- support team process by their abilities

Self-competences
The students:

- pursue the overall and special computer science development critically
- implement innovative professional activities effectively and 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: halbjährlich
Module capacity: unlimited
Modullevel: AS (Akzentsetzung / Accentuation)
Modulart: je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program: 2 courses out of V, S, Ü, P, PR
Vorkenntnisse / Previous knowledge
<table>
<thead>
<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>
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<td>Portfolio or presentation or oral exam</td>
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**Course type**
- Course selection

**SWS**
- 2.00

**Frequency**
- WiSe

**Workload attendance**
- 28 h