inf486 - CurrentTopics in 'Correct Systems Design' I

Module label: CurrentTopics in 'Correct Systems Design' I
Module code: inf486
Credit points: 3.0 KP
Workload: 90 h
Used in course of study: Master's Programme Computing Science > Theoretische Informatik
Contact person:

Module responsibility:
- Hans Fleischhack
- Ernst-Rüdiger Olderog
- Die im Modul Lehrenden

Authorized examiners:
- Hans Fleischhack
- 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:

- 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
Module level: AS (Akzentsetzung / Accentuation)
Modulart | je nach Studiengang Pflicht oder Wahlpflicht  
Lern-/Lehrform / Type of program | S or V  
Vorkenntnisse / Previous knowledge  

| Examination | Time of examination | Type of examination |  
| Final exam of module | At the end of the lecture period | Presentation or oral exam |  

Course type | Course or seminar  
SWS | 2.00  
Frequency | WiSe  
Workload attendance | 28 h