inf358 - Special Topics in 'Hardware/Software Systems' I

Module label: Special Topics in 'Hardware/Software Systems' I
Module code: inf358
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Computing Science > Technische Informatik
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmodul

Contact person

Module responsibility:
- Andreas Hein
- Wolfgang Nebel
- Die im Modul Lehrenden

Authorized examiners:
- Andreas Hein
- Wolfgang Nebel
- 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:

- 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, e.g. „Spezifikation und Modellierung Eingebetteter Systeme”

Reader’s advisory
As announced in course

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>
</tr>
</thead>
<tbody>
<tr>
<td>Final exam of module</td>
<td>The exam period will be announced during the course</td>
<td>Portfolio or presentation or oral exam</td>
</tr>
</tbody>
</table>

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