inf361 - Current Topics in 'Hardware/Software Systems' II

Module label: Current Topics in 'Hardware/Software Systems' II
Module code: inf361
Credit points: 3.0 KP
Workload: 90 h
Used in course of study:
- Master's Programme Computing Science > Technische Informatik
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmodule

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:

- 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, e.g. „Energieeffizienz in der IKT“, „Smart Resource Integration“, ...

Reader’s advisory
As announced in course

Links

Language of instruction: German
Duration (semesters): 1 Semester
Module frequency: unregelmäßig
<table>
<thead>
<tr>
<th><strong>Module capacity</strong></th>
<th>unlimited</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modullevel</strong></td>
<td>AS (Akzentsetzung / Accentuation)</td>
</tr>
<tr>
<td><strong>Modulart</strong></td>
<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
</tr>
<tr>
<td><strong>Lern-/Lehrform / Type of program</strong></td>
<td>S or V</td>
</tr>
<tr>
<td><strong>Vorkenntnisse / Previous knowledge</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Examination</strong></td>
<td>Time of examination</td>
</tr>
<tr>
<td><strong>Final exam of module</strong></td>
<td>At the end of the lecture period</td>
</tr>
<tr>
<td><strong>Course type</strong></td>
<td>Course or seminar</td>
</tr>
<tr>
<td><strong>SWS</strong></td>
<td>2.00</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>SuSe or WiSe</td>
</tr>
<tr>
<td><strong>Workload attendance</strong></td>
<td>28 h</td>
</tr>
</tbody>
</table>