inf360 - CurrentTopics in 'Hardware/Software Systems' I

Module label: CurrentTopics in 'Hardware/Software Systems' I
Module code: inf360
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

Authorized examiners
- Andreas Hein
- Wolfgang Nebel

Entry requirements
Skills to be acquired in this module
This module integrates current developments in the field in adequate study courses.

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

Module capacity
unlimited
<table>
<thead>
<tr>
<th>Modullevel</th>
<th>AS (Akzentsetzung)</th>
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<tr>
<td>Modulart</td>
<td>Wahlpflicht</td>
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<tr>
<td>Lern-/Lehrform / Type of program</td>
<td>S or V</td>
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<th>Vorkenntnisse / Previous knowledge</th>
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<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<tbody>
<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Presentation or oral exam</td>
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**Course type**

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<td>SuSe or WiSe</td>
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**Course selection**