inf353 - Current Topics in 'Safety-Critical Systems' II

Module label: Current Topics in 'Safety-Critical Systems' II
Module code: inf353
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 > Akzentsetzungsmodul

Contact person:
Module responsibility:
- Andreas Hein
- Die im Modul Lehrenden

Authorized examiners:
- Andreas Hein
- 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

Reader's advisory:
As announced in course

Links:

Language of instruction:
German

Duration (semesters):
1 Semester

Module frequency:
unregelmäßig

Module capacity:
unlimited

Modullevel:
AS (Akzentsetzung / Accentuation)

Modulart:
je nach Studiengang Pflicht oder Wahlpflicht
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<tr>
<th>Lern-/Lehrform / Type of program</th>
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<td>Vorkenntnisse / Previous knowledge</td>
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<tr>
<th>Examination</th>
<th>Time of examination</th>
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<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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| SWS | 2.00 |
| Frequency | WiSe |
| Workload attendance | 28 h |