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

<table>
<thead>
<tr>
<th>Module label</th>
<th>Special Topics in 'Hardware/Software Systems' I</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf358</td>
</tr>
<tr>
<td>Credit points</td>
<td>6.0 KP</td>
</tr>
<tr>
<td>Workload</td>
<td>180 h</td>
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<tr>
<td>Used in course of study</td>
<td></td>
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**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**

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:

- 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

**Links**

**Language of instruction**

German

**Duration (semesters)**

1 Semester

**Module frequency**

halbjährlich

**Module capacity**

unlimited

**Modullevel**

AS (Akzentsetzung / Accentuation)
<table>
<thead>
<tr>
<th>Modulart</th>
<th>je nach Studiengang Pflicht oder Wahlpflicht</th>
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<tbody>
<tr>
<td>Lern-/Lehrform / Type of program</td>
<td>2 courses out of V, S, Ü, P, PR</td>
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<tr>
<td>Vorkenntnisse / Previous knowledge</td>
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<table>
<thead>
<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>The exam period will be announced during the course</td>
<td>Portfolio or presentation or oral exam</td>
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| Course type | |
|-------------| |
| SWS | 2.00 |
| Frequency | SuSe or WiSe |
| Workload attendance | 28 h |