### inf360 - CurrentTopics in 'Hardware/Software Systems' I

<table>
<thead>
<tr>
<th>Module label</th>
<th>CurrentTopics in 'Hardware/Software Systems' I</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf360</td>
</tr>
<tr>
<td>Credit points</td>
<td>3.0 KP</td>
</tr>
<tr>
<td>Workload</td>
<td>90 h</td>
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**Used in course of study**
- Master's Programme Computing Science > Technische Informatik
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmoduile

**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:

- 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><strong>Modullevel</strong></th>
<th>AS (Akzentsetzung)</th>
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<tbody>
<tr>
<td><strong>Modulart</strong></td>
<td>Wahlpflicht</td>
</tr>
<tr>
<td><strong>Lern-/Lehrform / Type of program</strong></td>
<td>S or V</td>
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<tr>
<td><strong>Vorkenntnisse / Previous knowledge</strong></td>
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<thead>
<tr>
<th><strong>Examination</strong></th>
<th>Time of examination</th>
<th><strong>Type of examination</strong></th>
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</thead>
<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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<thead>
<tr>
<th><strong>Course type</strong></th>
<th>Course selection</th>
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<tbody>
<tr>
<td><strong>SWS</strong></td>
<td>2.00</td>
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<tr>
<td><strong>Frequency</strong></td>
<td>SuSe or WiSe</td>
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<td><strong>Workload attendance</strong></td>
<td>28 h</td>
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