inf172 - Special Topics in 'Information Systems' I

<table>
<thead>
<tr>
<th>Module name</th>
<th>Special Topics in 'Information Systems' I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module code</td>
<td>inf172</td>
</tr>
<tr>
<td>ECTS credit points</td>
<td>3.0 KP</td>
</tr>
<tr>
<td>Workload</td>
<td>90 h</td>
</tr>
<tr>
<td>Used in degree programmes</td>
<td>Master's Programme Computing Science &gt; Mastermodule</td>
</tr>
</tbody>
</table>

**Contact person**

- Michael Sonnenschein
- Marco Grawunder
- Lehrende der Informatik

**Prerequisites**

**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
<table>
<thead>
<tr>
<th><strong>Module contents</strong></th>
<th>According to the assigned course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended reading</strong></td>
<td>As announced in course</td>
</tr>
<tr>
<td><strong>Links</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Language of instruction</strong></td>
<td>German</td>
</tr>
<tr>
<td><strong>Duration (semesters)</strong></td>
<td>1 semester</td>
</tr>
<tr>
<td><strong>Module frequency</strong></td>
<td>unregelmäßig</td>
</tr>
<tr>
<td><strong>Module capacity</strong></td>
<td>Unlimited</td>
</tr>
<tr>
<td><strong>Modullevel</strong></td>
<td>AS (Akzentsetzung)</td>
</tr>
<tr>
<td><strong>Modulart</strong></td>
<td>Wahlpflicht</td>
</tr>
<tr>
<td><strong>Lern-/Lehrform / Type of program</strong></td>
<td>V or S</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Vorkenntnisse / Previous knowledge</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Examination</strong></td>
<td><strong>Examination periods</strong></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>
</tbody>
</table>

| **SWS**                               | 2                                |                                   |
| **Workload attendance**               | 28 h                             |                                   |