### inf481 - Special Topics in 'Parallel Systems' II

<table>
<thead>
<tr>
<th>Module label</th>
<th>Special Topics in 'Parallel Systems' II</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf481</td>
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<tr>
<td>Credit points</td>
<td>6.0 KP</td>
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<tr>
<td>Workload</td>
<td>180 h</td>
</tr>
<tr>
<td>Used in course of study</td>
<td>Master's Programme Computing Science &gt; Theoretische Informatik</td>
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<tr>
<td>Contact person</td>
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#### Module responsibility
- Eike Best
- Die im Modul Lehrenden

#### Authorized examiners
- Eike Best
- 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:
- 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. „Automatentheorie und Logik“, „Modelchecking“, „Effiziente Algorithmen“ und „Theorie und Spiele“.

#### Reader's advisory
As announced in course

#### Links
- [Language of instruction](#): German
- [Duration (semesters)](#): 1 Semester
- [Module frequency](#): unregelmäßig
- [Module capacity](#): unlimited
- [Modullevel](#): AC (Aufbaucurriculum / Composition)
- [Modultyp](#): je nach Studiengang Pflicht oder Wahlpflicht
- [Lern-/Lehrform / Type of program](#): 2 courses out of V, S, Ü, P, PR
- [Vorkenntnisse / Previous knowledge](#): 

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<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Portfolio or presentation or oral exam</td>
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**Course type**

- **Course selection**

**SWS**
- 2.00

**Frequency**
- WiSe

**Workload attendance**
- 28 h