inf481 - Special Topics in 'Parallel Systems' II

Module label

Special Topics in 'Parallel Systems' II

Module code

inf481

Credit points

6.0 KP

Workload

180 h

Used in course of study

- Master’s Programme Computing Science > Theoretische Informatik

Contact person

Module responsibility

- Eike Best
- Die im Modul Lehrenden

Authorized examiners

- Eike Best
- Die im Modul Lehrenden

Entry requirements

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. „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)

Modulart

je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program

2 courses out of V, S, Ü, P, PR

Vorkenntnisse / Previous knowledge
<table>
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<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
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<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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SWS 2.00