### inf596 - Spezielle Themen aus dem Gebiet "Computational Intelligence" I

<table>
<thead>
<tr>
<th>Module label</th>
<th>Spezielle Themen aus dem Gebiet &quot;Computational Intelligence&quot; I</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf596</td>
</tr>
<tr>
<td>Credit points</td>
<td>6.0 KP</td>
</tr>
<tr>
<td>Workload</td>
<td>180 h</td>
</tr>
<tr>
<td>Used in course of study</td>
<td>Master's Programme Computing Science &gt; Angewandte Informatik</td>
</tr>
<tr>
<td>Contact person</td>
<td>Oliver Kramer, Die im Modul Lehrenden</td>
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</tbody>
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#### Module responsibility
- Oliver Kramer
- Die im Modul Lehrenden

#### Authorized examiners
- Oliver Kramer
- 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. „Medizinische Bildverarbeitung“ or „Standard und Systeme für die Kommunikation in der Medizin“

### Reader’s advisory

As announced in the according course

### Links

- Language of instruction: German
- Duration (semesters): 1 Semester
- Module frequency: unregelmäßig
- Module capacity: unlimited
- Modullevel: AS (Akzentsetzung / Accentuation)
- 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>
<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>At the end of the lecture period</td>
<td>Portfolio or presentation or oral exam</td>
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<tr>
<th>Course type</th>
<th>Course selection</th>
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<tbody>
<tr>
<td>SWS</td>
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<tr>
<td>Frequency</td>
<td>WiSE</td>
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