**inf586 - Current Topics in 'Energy Informatics' I**

<table>
<thead>
<tr>
<th>Module label</th>
<th>Current Topics in 'Energy Informatics' I</th>
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<tbody>
<tr>
<td>Module code</td>
<td>inf586</td>
</tr>
<tr>
<td>Credit points</td>
<td>3.0 KP</td>
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<tr>
<td>Workload</td>
<td>90 h</td>
</tr>
<tr>
<td>Used in course of study</td>
<td>Master's Programme Computing Science &gt; Angewandte Informatik</td>
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<tr>
<td>Contact person</td>
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**Module responsibility**
- Sebastian Lehnhoff
- Die im Modul Lehrenden

**Authorized examiners**
- Sebastian Lehnhoff
- 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:

- 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

**Reader's advisory**
As announced in 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**
S or V
## Vorkenntnisse / Previous knowledge

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<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>Presentation or oral exam</td>
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### Course type

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<th>Frequency</th>
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<th>Workload attendance</th>
<th>28 h</th>
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