inf355 - Special Topics in 'Hybrid Systems' II

Module label: Special Topics in 'Hybrid Systems' II  
Module code: inf355  
Credit points: 6.0 KP  
Workload: 180 h  
Used in course of study:  
- Master's Programme Computing Science > Technische Informatik  
- Master's Programme Embedded Systems and Microrobotics > Akzentsetzungsmodule  

Contact person: 
Module responsibility:  
- Andreas Hein  
- Martin Georg Fränzle  
- Die im Modul Lehrenden  

Authorized examiners:  
- Andreas Hein  
- Martin Georg Fränzle  
- Die im Modul Lehrenden  

Entry requirements:  
This module integrates current developments in the field in adequate study courses.  

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  
Reader's advisory:  
As announced in course  
Links:  
Language of instruction:  
German  
Duration (semesters):  
1 Semester  
Module frequency:  
unregelmäßig  
Module capacity:  
unlimited  
Module level:  
AS (Akzentsetzung / Accentuation)
<table>
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<th>Modulart</th>
<th>je nach Studiengang Pflicht oder Wahlpflicht</th>
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<tbody>
<tr>
<td>Lern-/Lehrform / Type of program</td>
<td>2 courses out of V, S, Ü, P, PR</td>
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<td>Vorkenntnisse / Previous knowledge</td>
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<tr>
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<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
<td>Exercises or presentation or oral exam</td>
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