inf113 - Operating Systems II

Module label: Operating Systems II
Module code: inf113
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Business Informatics > Bereichswahlmodule
- Master's Programme Computing Science > Praktische Informatik

Contact person:
Module responsibility
- Oliver Theel
- Die im Modul Lehrenden

Authorized examiners
- Oliver Theel
- Die im Modul Lehrenden

Entry requirements:
The aim of the module "Operating Systems 2" is to convey further knowledge and skills regarding the conception, implementation, and evaluation of operating systems.

Professional competence:
The Students:
- assess in detail what an operating system is able do
- recognize the problems in the implementation of operating systems
- identify and evaluate implementations of further subproblems and apply them

Methodological competence:
The Students:
- transfer implementation concepts to other contexts
- critically question different solutions with regard to their properties

Social competence:
The Students:
- solve problems partly in small groups
- present own potential solutions to the exercise group
- discuss their different potential solutions within the exercise group

Self-competence:
The Students:
- accept criticism
- reflect their own potential solutions taking into account the methods taught

Module contents:
The module conveys the following contents:
1) additional aspects of file systems
2) Input/output control
3) User representation
4) Advanced synchronization concepts
5) User interfaces
6) Job scheduling
7) Architectures of operating systems
8) Examples of operating systems

Reader’s advisory:

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<th>German</th>
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<tr>
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<td>1 Semester</td>
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<td>Module capacity</td>
<td>unlimited</td>
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<td>AS (Akzentsetzung / Accentuation)</td>
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<td>Modulart</td>
<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
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<td>Operating Systems I</td>
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| Total time of attendance for the module | 56 h |