inf652 - Production-oriented Business Informatics

Module label: Production-oriented Business Informatics
Module code: inf652
Credit points: 6.0 KP
Workload: 180 h

Used in course of study:
- Master's Programme Business Informatics > Akzentsetzungsmodule Bereich Wirtschaftsinformatik
- Master's Programme Computing Science > Angewandte Informatik

Contact person:
Module responsibility:
- Axel Hahn

Authorized examiners:
- Axel Hahn

Entry requirements:
The module deepens the contents of the modules „Wirtschaftsinformatik“ and „Wirtschaftsinformatik/Informationsmanagement“. The students will be able to contextualise IT systems and their functions in companies. They are able to participate in the implementation of IT systems in companies. The students know the essential tasks of materials management, production planning and controlling, warehousing, acquisition and supply chain management.

Professional competence:
The students:
- name and differentiate the basics of business informatics and information management
- classify IT systems and their functions in companies
- name and characterise the essential tasks of materials management, production planning and controlling, warehousing, acquisition and supply chain management

Methodological competence:
The students:
- transfer a holistic development process of production planning and control
- implement IT systems in businesses

Social competence:
The students:
- participate in implementing IT systems in companies
- construct and present computational solutions to groups and within their work group
- integrate professional and objective criticism in their own and others’ results

Self-competence:
The students:
- recognize the planning horizon for IT systems
- reflect their role and skills to implement IT systems in businesses

Module contents:
The module “Production-oriented Business Informatics” deals especially with production planning and control processes affected by process planning tasks, as well as classic problems of industrial production. The lecture is focused on the application of information systems in industrial production companies. Priorities are order flow business processes and PPS-/ERP-Systems. Case studies and demonstrations illustrate the application of these systems.

Reader’s advisory:
- Kurbel, Karl: Produktionsplanung und -steuerung im Enterprise Resource Planning und Supply Chain Management, Oldenbourg Verlag, 2005
- Further literature will be announced in the lecture
Links
Language of instruction: German
Duration (semesters): 1 Semester
Module frequency: jährlich
Module capacity: unlimited
Modullevel: AS (Akzentsetzung / Accentuation)
Modulart: je nach Studiengang Pflicht oder Wahlpflicht
Lern-/Lehrform / Type of program: V+Ü

Vorkenntnisse / Previous knowledge

<table>
<thead>
<tr>
<th>Examination</th>
<th>Time of examination</th>
<th>Type of examination</th>
<th>Exercises and written exam</th>
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<tbody>
<tr>
<td>Final exam of module</td>
<td>At the end of the lecture period</td>
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<th>SWS</th>
<th>Frequency</th>
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<td>SuSe and WiSe</td>
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Total time of attendance for the module: 56 h