<table>
<thead>
<tr>
<th>Module title</th>
<th>Supply Chain Management</th>
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<tbody>
<tr>
<td>Course number/acronym</td>
<td>SCM</td>
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<tr>
<td>Semester</td>
<td>1</td>
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<tr>
<td>Coordinator</td>
<td>Prof. Dr.-Ing. Rüdiger Lohmann</td>
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<tr>
<td>Lecturer</td>
<td>Prof. Dr. rer. nat. A. Köhler</td>
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<tr>
<td>Language</td>
<td>English</td>
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<tr>
<td>Engineering degree program</td>
<td>Master Applied Information Technology / Master Angewandte Informationstechnik (AIT)</td>
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</table>
| Course structure / Teaching and Learning Methods | 2 SWS Lectures, group Size approx. 30, with integrated Exercises  
2 SWS Laboratory, group size max. 12 |
| Workload           | 65h, classroom lectures,  
85h, exam preparation and final exam |
| Credits - ECTS     | 5                       |
| Prerequisites      | Basic fundamental of business process management, financials and controlling |
| Learning Outcomes  | After successful completion of this course, the students will be able to:  
1. Prepare strategic and operational supply chain management decisions in various enterprises  
2. Understand, analyze and evaluate major SCM tools and concepts |
| Course content     | See appendix for course content |
Corsten, D.; Gabriel, Chr.: Supply Chain Management erfolgreich umsetzen. Berlin u.a.: Springer 2002  
Pfohl, H.-Ch.: Logistikmanagement. Berlin u.a.: Springer 2004  
Pfohl, H.-Ch.: Logistiksysteme. Berlin u.a.: Springer 2000  
| Assessment/Evaluation and Grading System | V = written examination  
P = Case study |
Course topics of the module **Integrated Information Systems**

**Introduction to SCM (Workload 20h)**
- From logistics to SCM
- Goals and principles of SCM
- Networks as a basis for SCM

**Supply Chain Design (Workload 60h)**
- Success factors and reference models
- Best practice examples
- Special SCM tools (VMI, ECR, JIT, 3 and 4 PL)
- Selected quantitative models
- Change management

**SCM information systems (Workload 10h)**
- Basics of Advanced Planning Systems
- E-Business

**Case study/Exercise:**

Business Game SCM