

**Module: Supply Chain Management**

<b>Level</b>	Master	<b>Short Name</b>	SCM
<b>Responsible Lecturers</b>	Prof. Dr. André Köhler		
<b>Department, Facility</b>	Electrical Engineering and Computer Science		
<b>Course of Studies</b>	Applied Information Technology, Master		
<b>Compulsory/elective</b>	Elective	<b>ECTS Credit Points</b>	5
<b>Semester of Studies</b>	2	<b>Semester Hours per Week</b>	4
<b>Length (semesters)</b>	1	<b>Workload (hours)</b>	150
<b>Frequency</b>	WiSe	<b>Presence Hours</b>	60
<b>Teaching Language</b>	German/English	<b>Self-Study Hours</b>	90

The following section is filled only if there is **exactly one** module-concluding exam.

<b>Exam Type</b>	Portfolio Exam	<b>Exam Language</b>	German/English
<b>Exam Length (minutes)</b>	90	<b>Exam Grading System</b>	One-third Grades
<b>Learning Outcomes</b>	After successful completion of this course, the students will be able to: <ol style="list-style-type: none"> <li>1. Take cultural aspects of the participants of a supply chain into account.</li> <li>2. Prepare strategic and operational supply chain management decisions in various enterprises</li> <li>3. Understand, analyze and evaluate major SCM tools and concepts</li> <li>4. Apply SCM concepts in practice</li> </ol>		
<b>Participation Prerequisites</b>			

The previous section is filled only if there is **exactly one** module-concluding exam.

<b>Consideration of Gender and Diversity Issues</b>	<ul style="list-style-type: none"> <li>✓ Use of gender-neutral language (THL standard)</li> <li>✓ Target group specific adjustment of didactic methods</li> <li>✓ Making subject diversity visible (female researchers, cultures etc.)</li> </ul>
<b>Applicability</b>	
<b>Remarks</b>	Students gain methodical competence

## Module Course: Supply Chain Management

(of Module: Supply Chain Management)

<b>Course Type</b>	Lecture	<b>Form of Learning</b>	Presence
<b>Mandatory Attendance</b>	yes	<b>ECTS Credit Points</b>	5
<b>Participation Limit</b>		<b>Semester Hours per Week</b>	4
<b>Group Size</b>		<b>Workload (hours)</b>	150
<b>Teaching Language</b>	German/English	<b>Presence Hours</b>	60
<b>Study Achievements ("Studienleistung", SL)</b>		<b>Self-Study Hours</b>	90
<b>SL Length (minutes)</b>		<b>SL Grading System</b>	

The following section is filled only if there is a course-specific exam.

<b>Exam Type</b>		<b>Exam Language</b>	
<b>Exam Length (minutes)</b>		<b>Exam Grading System</b>	
<b>Learning Outcomes</b>			
<b>Participation Prerequisites</b>			

The previous section is filled only if there is a course-specific exam.

<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction to SCM <ul style="list-style-type: none"> <li>• From logistics to SCM</li> <li>• Goals and principles of SCM</li> </ul> </li> <li>• Supply Chain Design and Operations <ul style="list-style-type: none"> <li>• Best practice examples</li> <li>• Special SCM tools (VMI, ECR, JIT, 3 and 4 PL)</li> <li>• Selected quantitative models</li> <li>• Change management</li> </ul> </li> <li>• SCM information systems <ul style="list-style-type: none"> <li>• E-Business</li> </ul> </li> <li>• Case study/Exercise:</li> <li>• Business Game SCM</li> <li>• Usage of cultural diversity</li> </ul>
<b>Literature</b>	<p>Chopra, S.; Meindl, P. ; Supply Chain Management Pearson Education Limited; Auflage: 6th Global ed Mai 2016</p> <p>Corsten, D.; Gabriel, Chr.: Supply Chain Management erfolgreich umsetzen. Berlin u.a.: Springer 2002</p> <p>Corsten, D.; Gössinger, R.: Einführung in das Supply Chain Management. München, Wien: Oldenbourg 2001</p> <p>Eißig, M. (Hrsg.): Perspektiven des Supply Chain</p>

Managements. Berlin et al: Springer 2005  
 Kuhn, A.; Hellingrath, H.: Supply Chain Management.  
 Berlin u.a.: Springer 2002  
 Schönsleben, P.: Integrated Logistics Management. Boca  
 Raton et al: St. Lucie 2000  
 Simchi-Levi, D.; Kaminsky, P.; Simchi-Levi, E. Designing and Managing the  
 Supply Chain; Mcgraw-Hill Education - Europe; Auflage: 4 Rev ed. 2016

**Remarks**

Students achieve methodical and social skills