

Modulbezeichnung: (Title)	SUSTAINABILITY IN SCM (SUPPLY CHAIN MANAGEMENT)
Modulverantwortliche(r): (Module responsibility)	Prof. Dr. Markus Däubel
Dozent(in): (Course teachers)	Prof. Dr. Markus Däubel Lecturers
Sprache: (Language of instruction)	English
Zuordnung zum Curriculum: (Degree programme)	Master of Business Administration and Engineering Elective module, for all types of access, 1 st - 5 th semester
Lehrform/SWS: (Teaching method/ Hours per week (SWS))	Interactive lecture, self study, group exercises, 4 SWS
Arbeitsaufwand: (Workload)	Attendance time: 60 hours Private study, exam preparation: 60 hours
Kreditpunkte: (Number of ECTS credits)	4 ECTS
Voraussetzungen: (Prerequisites)	Basics in Management of Production and Logistics
Verwendbarkeit: (Usability)	Basics in Management of Production and Logistics. In addition to „Neue Technologien Basics I (Energieeffizienzseminar), „Supply Chain Management und Einkauf“ and „Nachhaltiges Wirtschaften“ for the Konsekutiver Masterstudiengang Wirtschaftsingenieurwesen
Lernziele/Kompetenzen: (Course objective)	<ul style="list-style-type: none"> Having successfully completed the module the students are familiar with the environmental, social and economic requirements for sustainable supply chain management. (Competence level 1)

	<ul style="list-style-type: none"> • The students know to apply the most important methods for lifecycle assessment and carbon footprint evaluation. (Competence level 1) • The students are aware of the relevance of sustainability in the different supply chain processes. (Competence level 2) • The students learn about tools and techniques to be able to analyze sustainable Supply Chains. (Competence level 4) • The students understand the sustainable Supply Chain from different aspects. (Competence level 5) • The students assesses critically the strategic choices related to sustainable Supply Chains. (Competence level 5) • For the project work the students develop a scenario / solution of a sustainable Supply Chain topic. (Competence level 6)
<p>Inhalt: (Course content)</p>	<p>Introduction to Sustainability Sustainable Supply Chain Management Methods to evaluate carbon footprint of supply chains. The Score Model: Plan / Source / Make / Deliver / Return Plan: Supply Chain Planning Source: Green Procurement Make: Green Production Deliver: Green Transportation Return: Reverse Logistics Introduction to Supply Chain KPI's Concepts behind sustainability, lifecycle assessment, and corporate social responsibility.</p>
<p>Prüfungsform: (Assessment method)</p>	<p>Written exam, 90 minutes (0,65) and Module work (0,35) The students have to write 10 to 15 pages for the project work. The topic of the project work is free, but has to be released by the lecturer. The results of the project work will be shown in a presentation of 15 minutes. Further details will be discussed during the first lecture.</p>
<p>Literatur: (Recommended reading)</p>	<p>Literature will be offered by the lecturer.</p>

