

M 6.4: Life Cycle Assessment and Certification

Responsible for the module:	NN. (Representative Prof. Silke Eckardt / Prof. Anja Noke s)			
ECTS credits:	6 ECTS	Total workload:	180h	
Use of the module in this degree programme:	Compulsory elective module at 6. Semester	Of which face-to-face studies:	60h	
Duration and frequency of the offer:	14 Dates in SoSe	Of which self-study:	120h	
Use of the module in other degree programmes or scientific courses. Further education courses:				
Learning outcomes:				
Knowledge and understanding (broadening knowledge, deepening knowledge, understanding knowledge) <ul style="list-style-type: none">Students understand the basics and interrelationships of life cycle assessment (LCA) and certification.The students know procedures for LCA and environmental certification.				
Use, application and generation of knowledge (utilisation and transfer, scientific innovation) <ul style="list-style-type: none">After completing the module, students are able to work on an LCA or certification, e.g. in the context of the practical semester or in a project or thesis.Students can explain LCAs and certifications in an understandable way and process them with help.				
Communication and cooperation <ul style="list-style-type: none">Students learn to evaluate LCAs and discuss environmental data and certification systems.				
Scientific self-image or professionalism <ul style="list-style-type: none">The students justify in a fact-based and transparent way which data are relevant for the LCA and which certifications are necessary or economical.				
Teaching content:				
<ul style="list-style-type: none">Basics of LCA and environmental certificationDetermination of data for the preparation of an LCA and environmental certificationAssessment of environmental data				
Language of instruction:	English			
Participation requirements:				
Preparation/Literature:	Current literature lists are handed out at the beginning of the semester.			
Further information:	Learning materials on Aulis			
Related courses				
Title of the course	Lecturer	SWS	Teaching and learning methods	Forms, scope and duration of examinations
Life Cycle Assessment and certification	Prof. Dr. Kay Suwelack	3	Seminar	Portfolio (PL)
Digi-Lab	Prof. Dr. Kay Suwelack	1	Laboratory	

Module-related tutorial	Prof. Dr. Kay Suwelack	(1)	Guided self-study	
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