

M 6.4: Life Cycle Assessment and Certification

Responsible for the module:	NN. (Representative Prof. Silke Eckardt / Prof. Anja Nokes)			
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:				
<p>Knowledge and understanding (broadening knowledge, deepening knowledge, understanding knowledge)</p> <ul style="list-style-type: none"> ▪ <i>Students understand the basics and interrelationships of life cycle assessment (LCA) and certification.</i> ▪ <i>The students know procedures for LCA and environmental certification.</i> <p>Use, application and generation of knowledge (utilisation and transfer, scientific innovation)</p> <ul style="list-style-type: none"> ▪ <i>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.</i> ▪ <i>Students can explain LCAs and certifications in an understandable way and process them with help.</i> <p>Communication and cooperation</p> <ul style="list-style-type: none"> ▪ <i>Students learn to evaluate LCAs and discuss environmental data and certification systems.</i> <p>Scientific self-image or professionalism</p> <ul style="list-style-type: none"> ▪ <i>The students justify in a fact-based and transparent way which data are relevant for the LCA and which certifications are necessary or economical.</i> 				
Teaching content:				
<ul style="list-style-type: none"> ▪ <i>Basics of LCA and environmental certification</i> ▪ <i>Determination of data for the preparation of an LCA and environmental certification</i> ▪ <i>Assessment of environmental data</i> 				
Language of instruction:	English			
Participation requirements:				
Preparation/Literature:	<i>Current literature lists are handed out at the beginning of the semester.</i>			
Further information:	<i>Learning materials on Aulis</i>			
Related courses				
Title of the course	Lecturer	SWS	Teaching and learning methods	Forms, scope and duration of examinations
Life Cycle Assessment and certification	NN	3	Seminar	Portfolio (PL)
Digi-Lab	NN	1	Laboratory	
Module-related tutorial	NN	(1)	Guided self-study	