Syllabus
MLICS5196E Corporate Climate and Sustainability Management
Prof. Dr. Tobias Viere
Winter Semester 2021/22

Level	Master
Credits	3
Student Contact Hours	2
Workload	90h
Prerequisites	none
Time	see LFS (https://hic.hs-pforzheim.de/lsf/)
Room	see LFS (https://hic.hs-pforzheim.de/lsf/)
Start Date	see LFS (https://hic.hs-pforzheim.de/lsf/)

Lecturer		
	Name	Prof. Dr. Tobias Viere
	Office	W1.4.042
	Virtual Office	https://app.alfaview.com/#/join/alfaview-wur/79b41288-37de-4789-8f93-6d8d65fddfca/9fc4f9af-b1af-4b53-ba9a-280aafe1ca09
	Colloquium	Thursdays, 17:15-18:45h (appointments by e-mail)
	Phone	+49 7231 28-6423
	Email	tobias.viere@hs-pforzheim.de

Outline of the Course

In her famous 2006 book '*Field notes from a catastrophe: Man, nature, and climate change'*, Elizabeth Kolbert wrote: "It may seem impossible to imagine that a technologically advanced society could choose, in essence, to destroy itself, but that is what we are now in the process of doing".

In this course on Corporate Climate and Sustainability Management we will address the question of how true the above quotation is from the perspective of environmental and sustainability science. From a business perspective we will then examine opportunities, tasks and tools for companies and entrepreneurs in this field. Master students that completed the course…

•	are aware of climate change and related global sustainability challenges

•	understand the role of and implications for businesses with regard to these challenges

•	explore important business concepts and tools to tackle the challenges (e.g., strategic sustainability management, carbon footprinting and accounting, carbon neutrality; sustainability reporting; circular economy and resource efficiency approaches).

Course Intended Learning Outcomes and their Contribution to Program Intended Learning Outcomes / Program Goals

	Program Intended Learning Outcomes	Course Intended Learning Outcomes	Assessment Method
		After completion of the course the students will be able…	Written Exam
			100%
			Individual
1	**Extending and consolidating Knowledge related to concepts and practical applications in Life Cycle Assessment and Sustainability Sciences**		
1.2	They know important fields of application from technology and society and are able to formulate questions related to a sustainable development and to establish action strategies.	… to recall important sustainability challenges for businesses and to cite and select approaches and tools to tackle these challenges.	X
1.4	They are able to identify possible solution approaches for theoretical or practical tasks in the field of eco-balancing, to assess the relevance and to critically analyze them in future.	… to exemplify and adapt their knowledge of corporate climate and sustainability management to specific business cases.	X
2	**Systemic, analytic and instrumental/conceptional competences for the solution of theoretic and / or practice-oriented tasks in Life Cycle Assessments.**		
3	**Communicative and social competences to convince third parties of the proposed solutions.**		

Teaching and Learning Approach

Interaction is an important part of my teaching. That is why I incorporate discussions, exercises and self-learning elements into my lectures and use the "inverted classroom" concept. Students receive preparation material for each session, which they are supposed to prepare prior to the lecture. In the lecture the students acquire their knowledge not by passively listening, but by contributing to open and guided discussions. Students are thus responsible for the learning success and partly even for the content of the course. In this Master's courses, I presuppose personal responsibility, a basic understanding of scientific work, and the ability to deal with scientific literature.

Literature and Course Materials

We will use scientific publications in the course, but also newspaper articles, video lectures and other media. The following list is essential, but by no means exhaustive:

- *Hill, M. K. (2020). Understanding environmental pollution. Cambridge University Press.*
- *IPCC (2018). Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty. IPCC.*
- *Schaltegger, S., Burritt, R., & Petersen, H. (2003; newly published in 2017). An introduction to corporate environmental management: Striving for sustainability. Routledge.*
- *Belz, F.M., & Peattie, K. J. (2012, 2nd ed.). Sustainability marketing: a global perspective. Wiley.*
- *UN (2015). Transforming our world: The 2030 agenda for sustainable development, A/RES/70/1. UN.*

Assessment

The course is designed as a lecture and concludes with a written exam of 90 minutes. There will be voluntary additional assignments in the course (e.g. short presentations), the assessment of which will be included in the course grade. Students are allowed to use handwritten notes in the written exam; the exact extent of these will be announced within the course.

Schedule

The course will take place on Wednesdays from 15.30h to 18.45h from early October until the end of November. It is intended to additionally broadcast the event online, so that students can also participate remotely. Changes will be communicated in time.

- Session 1: Introduction and general overview, collection of students' topic wishes and questions
- Session 2: The global climate crisis and further challenges of sustainable development
- Session 3: Business and sustainability, strategic sustainability management and sustainability reporting
- Session 4: Sustainability marketing and social entrepreneurship
- Session 5: Product development and production-related approaches, incl. Circular Economy, Resource Efficiency, Energy Efficiency
- Session 6: Climate-specific instruments at the corporate level: emissions trading, climate accounting, climate neutrality
- Session 7: Conclusion and outlook

Code of Conduct for online Teaching

Link to the Code of Conduct for online Teaching