# Master-Studiengang: Corporate Sustainability & Sustainable Finance

Gültig ab Studienbeginn WiSe 2024/2025

Stand: 23.04.2024

Version 1.0

## INHALTSVERZEICHNIS

# 1. Einführung

## 1.1 Informationen zum Modulhandbuch

Das vorliegende Modulhandbuch beschreibt den Masterstudiengang Corporate Sustainability & Sustainable Finance an der Hochschule Kempten. Es dient in erster Linie als Informationsquelle und Nachschlagewerk. Es veranschaulicht den Aufbau des Studiums, die Moduleinteilung und beinhaltet ausführliche Informationen zu den einzelnen Modulen.
Die Modulbeschreibungen geben nämlich detailliert Auskunft zu allgemeinen Angaben der Lehrveranstaltungen, zu Lehrzielen, Lehrinhalten, Literaturempfehlungen und Prüfungsmodalitäten.

Das Modulhandbuch soll als Ergänzung zur jeweils gültigen Studien- und Prüfungsordnung (SPO) gesehen werden. Die SPO regelt Ziele, Inhalt, Ablauf und studiengangsspezifische Regelungen für den Abschluss des Studiengangs Betriebswirtschaft. Dabei dient sie der Ausfüllung und Ergänzung der Allgemeinen Prüfungsordnung der Hochschule Kempten (APO) vom 26. Juli 2023 und der Satzung über die praktischen Studiensemester an der Hochschule Kempten (PrS) vom 15. Februar 2023 in deren jeweils gültigen Fassungen. (https://www.hs-kempten.de/meine-hochschule/pruefungswesen/allgemeines-pruefungsrecht)

Bitte beachten: Änderungen in den Modulbeschreibungen sind aufgrund einer ständigen Aktualisierung der Lehrinhalte jederzeit möglich.

Rechtlich verbindlich ist nur die jeweils geltende Studien- und Prüfungsordnung.

## 1.2 Kompetenzfelder

Alle Module orientieren sich an vier Kompetenzfeldern:

### 1) Wissen und Verstehen

- Erwerb eines breiten und vertieften Wissens, bezogen auf typische und spezifische betriebswirtschaftliche (sowie auch wichtige rechtliche, volkswirtschaftliche und mathematisch-statistische) Themenfelder sowie der damit verbundenen Methoden und Theorien;
- Spezialisierung auf internationale Inhalte und Kompetenzen im Kontext der unterschiedlichen betriebswirtschaftlichen Themen- und Wissensbereiche (vor allem im Vertiefungsstudium);
- Kenntnis der interdisziplinären Zusammenhänge zwischen den Themenfeldern sowie kritische Auseinandersetzung mit Inhalten, Methoden und zugrundeliegenden Theorien;
- Fähigkeit, sich Wissen anzueignen und vorhandenes Wissen zu vertiefen.

### 2) Einsatz und Anwendung von Wissen

- Fähigkeit, betriebswirtschaftlich relevante Problemstellungen zu lösen (gilt auch für rechtlich, volkswirtschaftlich sowie mathematisch-statistisch relevante einfache Problemstellungen): hierzu können betriebliche Daten gesammelt, bewertet und interpretiert werden;
- Anwendung von Konzepten und Übertragung des Erlernten auf praktische Einsatzgebiete in der internationalen Betriebswirtschaft (z.B. Anwendung und Praktizieren von interkulturellen Kompetenzen, auch ggü. von internationalen Studierenden und im Rahmen internationaler Projekte und Fallstudien);
- Praktizieren von Fremdsprachenkompetenzen im gesamten Lehrangebot des Vertiefungsstudiums;
- Fähigkeit, fundierte und differenzierte Urteile abzuleiten und Lösungsansätze für betriebswirtschaftliche Fragestellungen zu entwickeln;
- Anwendungsbezogene Projekte in Zusammenarbeit mit Unternehmen können (auch im Team) durchgeführt werden.

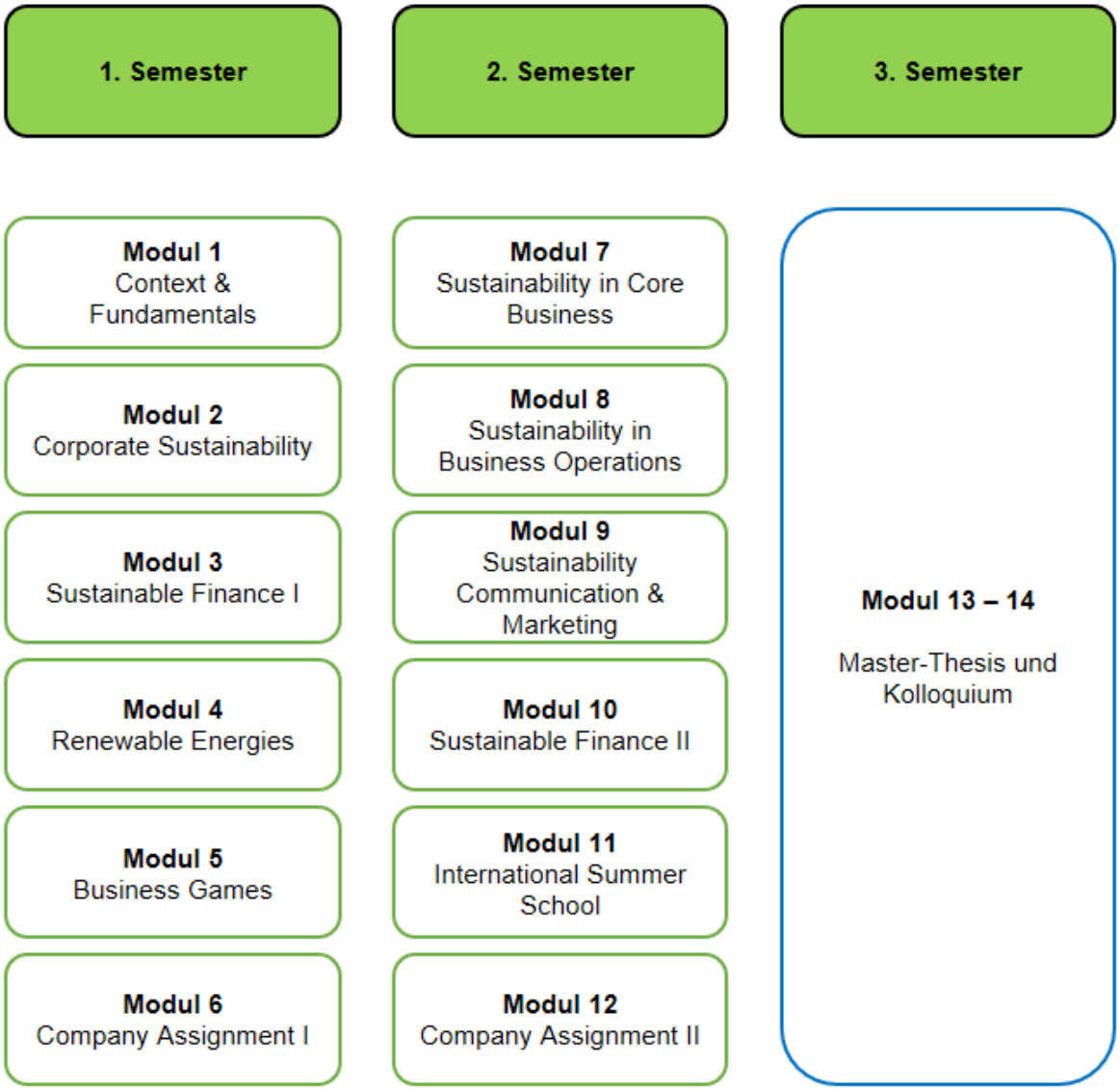
### 3) Wissenschaftliches Selbstverständnis

- Fähigkeit, (betriebswirtschaftlich orientierte) Forschungsfragen zu definieren, geeignete Forschungsmethoden anzuwenden und Forschungsergebnisse zu erläutern;
- Operationalisierung von theoretischen Konstrukten auf praktische Fragestellungen des Managements, auch unter Berücksichtigung internationaler Besonderheiten.

### 4) Persönlichkeitsentwicklung, ethisches Handeln und Professionalität

- Fähigkeit, sich selbst in Teams zu organisieren und zu steuern;
- (betriebs- und volkswirtschaftliche, rechtliche sowie mathematisch-statistische) Sachverhalte und selbst entwickelte Lösungsansätze können konkret, explizit, differenziert und überzeugend schriftlich und mündlich ausgedrückt werden;
- die fundierte Diskussion und Kooperation mit Fachvertretern und Fachfremden ist möglich;
- Lösungsansätze können unter Beachtung unterschiedlicher Sichtweisen und Interessen der verschiedenen Stakeholder eines Unternehmens entwickelt werden; dabei werden die eigenen Gestaltungs- und Entscheidungsfreiheiten berücksichtigt;
- Fähigkeit, das eigene berufliche Handeln in Unternehmen und Organisationen in Bezug auf dessen Folgen für Gesellschaft und der natürlichen Lebensbedingungen zu beurteilen.
- Verantwortungsvolles Handeln in Abwägung finanzieller Zielstellungen sowie Prinzipien der Ethik und der Nachhaltigkeit
- Nachhaltiges Denken im Kontext von Wertschöpfungsmodellen und Warenströmen

## 1.3 MODULAUFBAU



## 1.4 MODULEINTEILUNG

*Erstes Lehrplansemester*

| Mod.-Nr. | Modulbezeichnung | Art der LV | Prüfungsform | SWS | CP |
|---|---|---|---|---|---|
| 1 | Context & Fundamentals | | | (4) | (6) |
| a | Introduction & Overview | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| b | Sustainable Society | SU; Ü Block | | 1 | 1,5 |
| c | Climate Change and Sustainability | SU; Ü Block | SchrP/60 | 2 | 3 |
| 2 | Corporate Sustainability | | | (4) | (6) |
| a | Sustainability Strategy & Management | SU; Ü Block | SchrP/60 | 1 | 1,5 |
| b | Sustainability Controlling | SU; Ü Block | | 1 | 1,5 |
| c | Sustainability Regulation | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| d | Sustainability Business Cases & Case Studies | SU; Ü Block | | 1 | 1,5 |
| 3 | Sustainable Finance I | | | (4) | (6) |
| a | Introduction & Overview | SU; Ü Block | SchrP/60 | 1 | 1,5 |
| b | Value-based Sustainable Finance | SU; Ü Block | | 1 | 1,5 |
| c | Action-based Sustainable Finance | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| d | Risk-based Sustainable Finance | SU; Ü Block | | 1 | 1,5 |
| 4 | Renewable Energies | SU; Ü Block | SchrP/60 | 2 | 3 |
| 5 | Business Games | | | (4) | (6) |
| a | Business Game Corporate Sustainability | SU; Ü Block | Port | 2 | 3 |
| b | Business Game Sustainable Finance | SU; Ü Block | Port | 2 | 3 |
| 6 | Company Assignment I | SU; Ü Block | PjA + Präs | 2 | 3 |

*Zweites Lehrplansemester*

| Mod.-Nr. | Modulbezeichnung | Art der LV | Prüfungsform | SWS | CP |
|---|---|---|---|---|---|
| 7 | Sustainability in Core Business | | | (4) | (6) |
| a | Sustainable Operations | SU; Ü Block | SchrP/60 | 2 | 3 |
| b | Supply Chain & Sourcing | SU; Ü Block | Port | 1 | 1,5 |
| c | Sustainability Accounting | SU; Ü Block | | 1 | 1,5 |
| 8 | Sustainability in Business Operations | | | (4) | (6) |
| a | Sustainable HR & Leadership | SU; Ü Block | Port | 1 | 1,5 |
| b | Corporate Finance, M&A | SU; Ü Block | | 1 | 1,5 |
| c | Corporate Environmental Management | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| d | Sustainable Mobility | SU; Ü Block | | 1 | 1,5 |
| 9 | Sustainability Communication & Marketing | | | (4) | (6) |
| a | Stakeholder & Reporting | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| b | Corporate Citizenship | SU; Ü Block | | 1 | 1,5 |
| c | Strategic Sustainability Marketing | SU; Ü Block | SchrP/60 od. PjA + Präs | 1 | 1,5 |
| d | Sustainability Marketing Communication | SU; Ü Block | | 1 | 1,5 |
| 10 | Sustainable Finance II | | | (4) | (6) |
| a | Micro Finance | SU; Ü Block | Port | 1 | 1,5 |
| b | Implementation & Tools | SU; Ü Block | | 1 | 1,5 |
| c | International ESG Risk Study | SU; Ü Block | SchrP/60 | 1 | 1,5 |
| d | Sustainable Public Finance | SU; Ü Block | | 1 | 1,5 |
| 11 | International Summer School | SU; Ü Block | Port | 2 | 3 |
| 12 | Company Assignment II | SU; Ü Block | PjA + Präs | 2 | 3 |

*Drittes Lehrplansemester*

| Mod.-Nr. | Modulbezeichnung | Art der LV | Prüfungsform | SWS | CP |
|---|---|---|---|---|---|
| 13 | Master-Thesis | Thesis | | | 26 |
| 14 | Kolloquium | | Präs | | 4 |

*Erläuterung der Abkürzungen (sofern nicht bereits im Text definiert)*

| Abkürzung | Art der Abkürzung | Beschreibung |
|---|---|---|
| LV | Allgemein | Lehrveranstaltung |
| od. | Allgemein | oder; verwendet zur Aufzählung alternativer Prüfungsformen (Festlegung der konkreten Prüfungsform durch Prüfer/in spätestens zwei Wochen nach Semesterbeginn) |
| SWS | Allgemein | Semesterwochenstunden |
| Block | Art der LV | Blockveranstaltungen |
| Sem | Art der LV | Seminar |
| SU | Art der LV | Seminaristischer Unterricht |
| Ü | Art der LV | Übung |
| Koll | Prüfungsform | Kolloquium |
| Mün | Prüfungsform | Mündliche Prüfung, Dauer jeweils angegeben (/15-20 Minuten) |
| PjA | Prüfungsform | Projektarbeit |
| Port | Prüfungsform | Portfolio-Prüfung. Prüfungsleistung besteht aus im Semesterverlauf zu erbringenden, gewichteten Teilleistungen (bspw. Präs, StA, Mün, SchrP) |
| Präs | Prüfungsform | Präsentation |
| SchrP | Prüfungsform | Schriftliche Prüfung, Dauer jeweils angegeben (/60, /90, /120 Minuten) |
| StA | Prüfungsform | Studienarbeit |

# I. Erstes Lehrplansemester

## Modul 1: Context & Fundamentals

### Modul 1a: Introduction & Overview

| General information | |
|---|---|
| **Module title** | Introduction & Overview |
| **Code:** | |
| **Module no. (SPO)** | 1a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercise, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 1b Sustainable Society) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… have an overview over the master course and its contents as well as their connections
... understand the basics of the sustainability concept and its implementation in the corporate context.
... understand the interdependencies of efficiency and consistency as company-based and sufficiency as consumer-based sustainability methods.
... are familiar with various forms of corporate sustainability (corporate sustainability, CSR, corporate citizenship) and can explain and distinguish them.
... understand stakeholder demands also and especially in relation to sustainability.
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instruments.

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to demonstrate and visualize interrelationships.
... are able to describe important content from different perspectives and illustrate it using examples from business practice.
... can differentiate between the tasks of corporate sustainability in the various phases of the product/project life cycle, define basic terms and apply them in a targeted manner.
.... can apply their knowledge to characterize different forms of corporate sustainability and describe them using practical examples of implementation.

***3) Scientific self conception:***

... learn to base their scientific approach and methodology on real-world examples. It is crucial to apply concepts and theories to real-world examples of implementation and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
.. can distinguish, evaluate and explain different forms of implementation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
... learn to consider company actions not only from an economic perspective, but also from an ethical and sustainability-related point of view. The development of a critical mind is very important in this context, as is the ability to express these aspects in the form of arguments based on data and reliable sources, rather than simply accepting and passing on opinions.
... critically reflect on media reports about sustainability-relevant contexts through self-organized holistic research, structuring and differentiated evaluation of practical examples.
... can critically reflect on the relationship between economic objectives and sustainability objectives.
… learn to recognize lobby-driven misinformation and green-washing.

### Teaching content

- **Global problems**
  - Problem areas of ecology
  - Problem areas of the social
  - Problem areas of the economy
- **The concept of sustainability**
  - Classification and history
  - Forms of the understanding of sustainability
  - Goals and target systems
  - Forms of sustainable management
- **Corporate sustainability**
  - Overall context and classification
  - Reporting and disclosure
  - Compliance and subsidies
  - Positioning and strategy
  - Research and development
  - Further implementation aspects
- **Implementation in the core business**
- **The interface to sustainable finance**

### Reading list

**Compulsory reading:**

- No compulsory reading

**Recommended additional reading:**


- Schaltegger, S. & Müller, M. (2016) (Edt.): Corporate Social Responsibility: Trend oder Modeerscheinung? Oekom, Munic.
- Schaltegger, S.; Burrit, R. & Petersen, H. (2003): An Introduction to Corporate Environmental Management. Greenleaf, Sheffield.
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., & Oster, D. (2019): Sustainability management in savings banks: Practical handbook for the successful implementation and fulfillment of regulatory requirements. Deutscher Sparkassenverlag DSV

## MODUL 1B: SUSTAINABLE SOCIETY

| General information | |
|---|---|
| **Module title** | Sustainable Society |
| **Code:** | |
| **Module no. (SPO)** | 1b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Manuel Malzer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures with discussions |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 13,5 hours<br>Preparation, reading, follow-up: 12 hours<br>Practice and preparation for examination 12 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 1a Introduction & Overview) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… name various approaches helping to make society more sustainable.
… understand that achieving a sustainable society requires changes at the micro, meso and macro level.
… name advantages and disadvantages of market-based solutions and regulation.
… distinguish between green growth, beyond growth and degrowth.
… understand the importance of different aspects (e.g. narratives, education) necessary to effectively integrate sustainability into society.

***2) Using and applying knowledge:***

... explain and evaluate the strengths and weaknesses of green growth and degrowth.
… classify positions in the social discourse and evaluate their compatibility with the concepts presented.
… launch initiatives that contribute to a more sustainable society.

***3) Scientific self conception:***

... name areas of research related to sustainable society.
… recognize open research gaps in the context of the degrowth approach.

***4) Personal development, ethical behaviour and professionalism:***

… understand the possibilities as well as the limits of contributing to a more sustainable society as an individual.
… provide argumentative evidence of the advantages of a sustainable society.
… reflect on how companies or individuals can contribute to a more sustainable society.
… develop sensitiveness of the necessity for a sustainable society.

### Teaching content

- This course focuses on approaches at micro, meso and macro level to contribute to a more sustainable society.
- Approaches such as green growth, beyond growth or degrowth are presented and examined regarding their strengths and weaknesses.
- Possibilities for the individual to contribute to a more sustainable society are presented.
- Particular attention is given to the explanation of the importance of a more sustainable society.
- Aspects that can help to move closer to a more sustainable society are highlighted and impeding factors are pointed out.
- Presentation of proposals how to actively contribute to a more sustainable society.

### Reading list

**Compulsory reading:**

- No compulsory reading

**Recommended additional reading:**

- European Parliamentary Research Service (2023): Beyond growth – Pathways towards sustainable prosperity in the EU, https://www.europarl.europa.eu/RegData/etudes/STUD/2023/747108/EPRS_STU(2023)747108_EN.pdf.
- Kallis, G. (2011): In defence of degrowth, at: Ecological economics, vol. 70, issue 5, pp. 873-880.
- Kallis, G.; Kerschner, C.; Martinez-Alier, J. (2012): The economics of degrowth, at: Ecological economics, vol. 84, pp. 172-180.
- Brown, L. R. (1981): Building a sustainable society, WW Norton & Company, New York.

## MODUL 1C: CLIMATE CHANGE AND SUSTAINABILITY

| General information | |
|---|---|
| **Module title** | Climate Change and Sustainability |
| **Code:** | |
| **Module no. (SPO)** | 1c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Thomas Eimüller |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures with experiments, exercises and discussions |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

**Learning objectives:**

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… know the scientific principles underlying climate change and understand the major human contributions.
… know most important impacts of climate change on different earth systems.
… identify the main approaches to mitigation and adaptation.
… recognize the concept of sustainability and its relevance to addressing global environmental and social challenges.

***2) Using and applying knowledge:***

... apply scientific knowledge to assess climate change-related risks and vulnerabilities.
… utilize data and models to analyse climate change trends and projections.
… develop and implement strategies for reducing greenhouse gas emissions and enhancing climate resilience.
… identify opportunities for sustainable practices in various sectors, including energy, housing, transportation, and agriculture.

***3) Scientific self conception:***

... identify the interdisciplinary nature of climate change, biodiversity loss, and social equity.
… recognize the role of scientific inquiry in understanding climate change phenomena.
… appreciate the importance of evidence-based decision-making in addressing environmental challenges.

***4) Personal development, ethical behaviour and professionalism:***

… evaluate scientific data on climate change and sustainability.
… demonstrate expertise in the critical appraisal of multiple viewpoints and positions.
… reflect on personal values and beliefs related to environmental stewardship and sustainability
… demonstrate ethical behaviour in decision-making processes regarding environmental issues

**Teaching content**

- Historical perspectives on climate change and sustainability
- Planetary boundaries: biosphere, $CO_2$, land system change, clean water, resources, etc.
- Causes of climate change: natural and anthropogenic greenhouse effect, feedback mechanisms
- Evidence for climate change: temperature records, rising see levels, melting ice caps
- Impacts of climate change on different earth systems: atmosphere, biosphere, cryosphere, hydrosphere, including weather extremes, invasive insects, ocean acidification, etc.
- Impacts of climate change on human health, the economy, and the society
- Tipping elements: Antarctic and Greenland ice sheet, Atlantic circulation, permafrost, etc.
- Climate projections: prospects and limitations to predict the climate of the future
- Mitigation to climate change: Pathways to achieving carbon neutrality
- Adaptation to climate change: resilient living, farming, forestry, economy, etc.
- Concepts of sustainability: efficiency, consistency, sufficiency, etc.
- Policy and Governance: 1,5°C goal, IPCC, Sustainable Development Goals, etc.
- Technological innovations for sustainability: Clean technologies, Circular economy, etc.

**Reading list**

**Compulsory reading:**

- No compulsory reading

**Recommended additional reading:**

- Climate Change 2023: Synthesis Report. Contribution of Working Groups I, II and III to the Sixth Assessment Report of the IPCC, Geneva, Switzerland (2023) Open access at: https://www.ipcc.ch/report/sixth-assessment-report-cycle/
- A. Schmittner: Introduction to climate sciences, Oregon state university, Corvallis, OR (2018), Open access at: https://open.oregonstate.education/climatechange/
- Christopher Lant: Natural-Resources-Sustainability - An-introductory-synthesis (2023) Open access at: https://uen.pressbooks.pub/naturalresourcessustainability/
- Tom Theis, Jonathan Tomkin: Sustainability: A comprehensive Foundation, OpenStax CNX (2015), Open access at: https://open.umn.edu/opentextbooks/textbooks/96
- Further literature will be provided during the course.

## MODUL 2: CORPORATE SUSTAINABILITY

### MODUL 2A: SUSTAINABILITY STRATEGY & MANAGEMENT

| General information | |
|---|---|
| **Module title** | Sustainability Strategy & Management |
| **Code:** | |
| **Module no. (SPO)** | 2a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Christian Nuß |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures/ seminar lesson, small case studies and exercises |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 12 hours<br>Preparation, reading, follow-up: 12 hours<br>Practice and preparation for examination 13,5 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 2b Sustainability Controlling) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… gain a comprehensive understanding of sustainable development goals and frameworks in the context of corporate sustainability.
… learn how to integrate sustainability considerations into strategic planning processes.
… engage and manage diverse stakeholder groups.
… learn about the role of innovation and technology in driving sustainable business practices.
… develop basic skills in measuring, monitoring, and reporting sustainability performance indicators.

***2) Using and applying knowledge:***

... be able to apply frameworks and goals to specific corporate settings.
… implement sustainability strategy and realize it with effective, suitable measures.
… create links to adjacent and subordinate fields, like sustainability regulation and accounting.
… get a basic toolbox to work on business cases and case studies.

***3) Scientific self conception:***

… gain insights into the current state of research on corporate sustainability, sustainability strategies and management approaches.
… quantify goals, measures and progress.

***4) Personal development, ethical behaviour and professionalism:***

… explore the ethical dimensions of corporate sustainability and management.
… cope in business environments with multi-faceted, complex and sometimes contradictory goals.

### Teaching content

- Sustainable Development Goals and Frameworks
- Corporate Sustainability and Business Strategy
- Stakeholder Engagement and Management
- Role of Innovation and Technology
- Implementing the Strategy: Defining and Deriving Effective Measures
- Decision-making in complex, multi-dimensional business environments
- Introduction to Sustainability Management Accounting
- Sustainability Management in Practice

### Reading list

**Compulsory reading:**

- Benn, S., Dunphy, D. and Griffiths, A. (2014): Organizational Change for Corporate Sustainability. 3rd Edition. Routledge (Taylor & Francis Group); London and New York.
- Rasche, A., Morsing, M., Moon, J. and Kourula, A. [Eds.] (2023): Corporate Sustainability – Managing Responsible Business in a Globalized World. 2nd Edition. Cambridge University Press; Cambridge.

**Recommended additional reading:**

- Schaltegger, S., Christ, K.L., Wenzig, J. and Burritt, R.L. (2022): Corporate sustainability management accounting and multi-level links for sustainability – A systematic review. International Journal of Management Reviews 24 (4), 480-500.
- Taticchi, P., Demartini, M. and Corvaglia-Charrey, M. (2023): Sustainable Transformation Strategy – Casebook on Corporate Sustainability in Practice. Springer Nature; Switzerland.

## MODUL 2B: SUSTAINABILITY CONTROLLING

| General information | |
|---|---|
| **Module title** | Sustainability Controlling |
| **Code:** | |
| **Module no. (SPO)** | 2b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Sven Henning |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures/ seminar lesson, small case studies and exercises |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 2a Sustainability Strategy & Management) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… are familiar with common key figures for assessing sustainability and the problems that arise when recording, interpreting and comparing them

... understand suitable instruments to support corporate management as well as the possibilities and limitations of integrating sustainability aspects, also with regard to their informative value

... are familiar with approaches for integrating sustainability aspects into a holistic management system and the associated advantages and disadvantages.

***2) Using and applying knowledge:***

... develop - on a case-by-case basis - a key performance indicator system for documenting and managing aspects relevant to sustainability

... compare the suitability, informative value and comparability of given sustainability-orientated indicator systems

... develop and scrutinise solutions for integrating sustainability-related management mechanisms into a holistic management system.

***3) Scientific self conception:***

… reflect on approaches, opinions and arguments in textbooks and other sources

... reflect on the origin, extraction, quality and significance of non-financial performance information

... can use what they have learnt to overcome the practical challenges involved in providing non-financial performance information.

***4) Personal development, ethical behaviour and professionalism:***

… organise and manage themselves - in the context of acquiring knowledge, working on tasks and preparing for exams.

... express sustainability-related issues and self-developed solutions in writing in a well-founded and convincing manner.

... take ethical aspects into account when developing proposed solutions and also consider the consequences of decisions and actions from an ethical point of view.

### Teaching content

- Sustainable transformation of the value chain and anchoring in controlling
- Instruments for corporate management, possibilities and limits of integrating sustainability aspects and informative value
- Sustainability indicators and holistic corporate management
- Integration of sustainability in (financially dominated) management systems
- Integration of sustainability aspects in planning, budgeting and forecasting
- Inclusion of sustainability in investment, project and cost controlling
- ESG integration into the controlling risk management process
- Data management, data quality and informative value
- Organisational and procedural anchoring of sustainability and the role and tasks of controlling, Incentivising the actors

### Reading list

**Compulsory reading:**


- Lindgreen, Adam et al.: Measuring and Controlling Sustainability: Spanning Theory and Practice, Gower 2018
- Klein, A.; Kämmler-Burrak, A.: Nachhaltigkeit in der Unternehmenssteuerung: Grundlagen, Instrumente, Praxisbeispiele; Haufe 2021
- Internationaler Controller-Verein: Controlling & Nachhaltigkeit: Die Rolle des Controllings im Transformationsprozess zur nachhaltigen Unternehmenssteuerung, Haufe 2023
- Sassen, R.: Nachhaltigkeitsmanagement kompakt: Normative und Regulative Anforderungen sowie erste Schritte zur Implementierung nachhaltiger Prozesse und Strategien in Unternehmen, Vahlen 2023
- Sailer, U.: Nachhaltigkeitscontrolling – Was Controller und Manager über die Steuerung der Nachhaltigkeit wissen sollten; UVK (UTB) 2020


**Recommended additional reading:**


- Ette, Daniel: Responsible Management Accounting and Controlling: A Practical Handbook for Sustainability, Responsibility, and Ethics (The Principles of Responsible Management Education Collection), Business Expert Press 2014
- Steinke, K.-H.; Schulze, M.; Berlin, S.; Stehle, A.; Georg, J.: Green Controlling – Leitfaden für die erfolgreiche Integration ökologischer Zielsetzungen in Unternehmensplanung und –steuerung, Schriftenreihe des Internationalen Controller Vereins, Haufe 2014
- Colsman, B.: Nachhaltigkeitscontrolling – Strategien, Ziele, Umsetzung; Springer Gabler 2016
- Andrejewski, K. et al.: Praxishandbuch ESG: Grundlagen, Bedeutung und Umsetzung in Unternehmen (Recht Wirtschaft Steuern - Handbuch), R&W 2023

## MODUL 2C: SUSTAINABILITY REGULATION

| General information | |
|---|---|
| **Module title** | Sustainability Regulation |
| **Code:** | |
| **Module no. (SPO)** | 2c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Isabella Brosig-Hoschka |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures, discussions, case studies, group activities, and presentations |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 2d Sustainability Business Cases & Case Studies) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the role of law to address emerging challenges in sustainability aspects.
… understand the different regulatory approaches (ex-ante / ex-post, self- and public-regulation) and its pros and cons.

***2) Using and applying knowledge:***

... recognize and analyze international treaties, selected European regulations and directives, and German law related to sustainability.
… examine the role of regulatory bodies and enforcement mechanisms in promoting corporate sustainability.
… develop skills for compliance and responsible business conduct in the context of sustainability regulation.

***3) Scientific self conception:***

… cultivate scientific self-conception through critical analysis and research skills in the field of regulatory initiatives.

***4) Personal development, ethical behaviour and professionalism:***

… implement regulatory obligations in such way that a strong compliance culture is created.

### Teaching content

**Fundamentals of Sustainability Law:**

- The Law and Economics Perspective
- Introduction to and Development of International Treaties and Agreements
- Sustainability Law in the (European) Hierarchy of Norms

**Selected Areas of Law:**

- Supply Chain Due Diligence Act (LkSG)
- Unfair Competition Law
- Green Claims
- Sustainability Reporting and Disclosure
- Sustainable Finance Regulation

**Regulatory Compliance Systems: ▪**

- Introduction and Enforcement of Law
- Corporate Governance and Sutainability

**Emerging Issues and Challenges in (International) Sustainability Regulation**

### Reading list

**Compulsory reading:**

- Access to relevant legal databases, regulatory websites
- Selected articels, reports and academic journals provided throughout the module

**Recommended additional reading:**

- Andrejewski, Kai C. / Krause, Nils / Hesberg, Moritz von, Praxishandbuch ESG, 2023.
- Bruner, Christopher M., Corporate Governance Reform and the Sustainability Imperative, 131 Yale Journal of Law 1217 ff. (2022).
- Geier, Bernd / Meringdal, Inga Elise / Stille, Simone, ESG-Compliance, 2023.
- Kluth, Winfried / Smeddinck, Ulrich, Umweltrecht, 2nd ed. 2021.
- Moon, Jeremy, Corporate Social Responsibility: A Very Short Introduction, 2015.
- Nietsch, Michael, Corporate social responsibility compliance, 2021.

## MODUL 2D: SUSTAINABILITY BUSINESS CASES & CASE STUDIES

| General information | |
|---|---|
| **Module title** | Sustainability Business Cases & Case Studies |
| **Code:** | |
| **Module no. (SPO)** | 2d |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Manuel Malzer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures with discussions, case study exercises, presentations |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 13,5 hours<br>Preparation, reading, follow-up: 12 hours<br>Practice and preparation for examination 12 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 2c Sustainability Regulation) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand what obstacles may arise when integrating sustainability into companies.
… know ways to address concerns to drive sustainability related change in organizations.
… name a possible approach for working on a case study.

***2) Using and applying knowledge:***

... develop potential solutions for sustainability-related issues.
… integrate sustainability into processes and corporate strategy.
… justify the relevance of integrating sustainability into organizations.

***3) Scientific self conception:***

… classify the results of sustainability-related scientific literature.
… describe the typical structure of a scientific paper.
… assess the quality of scientific literature.
… formulate and work on research questions related to a case study with a connection to sustainability.
… apply the theoretical concepts learned to an issue relevant in practice.

***4) Personal development, ethical behaviour and professionalism:***

… work on practical sustainability-related issues both in written and in verbal form.
… communicate relevant aspects of sustainability in interdisciplinary teams.
… defend the solutions they have developed in the face of critical questions.

### Teaching content

- By participating in this module, students should be able to work successfully on sustainability-related case studies. Therefore, the following content is taught:
- Initially, an exemplary case study is conducted in collaboration with the students.
- Students are also taught elements like the typical structure of academic papers or possible procedures for finding appropriate literature.
- The students then work on their own case study and have the opportunity to receive feedback on their work so far and give an interim presentation.

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- None

## MODUL 3: SUSTAINABLE FINANCE I

### MODUL 3A: INTRODUCTION & OVERVIEW

| General information | |
|---|---|
| **Module title** | Introduction & Overview |
| **Code:** | |
| **Module no. (SPO)** | 3a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 3b Value-based Sustainable Finance) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the basics of sustainable finance and the connection of this module's content.
... understand stakeholder demands also and especially in relation to sustainable finance.
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instruments.
… understand the different pillars of sustainable finance (value based, action based and risk based sustainable finance) and can explain them also in terms of financial instruments and stakeholder relevance.

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to demonstrate and visualize interrelationships.
... are able to describe important content from different perspectives and illustrate it using examples from business practice.
.... can apply their knowledge to characterize different forms of financial market-related sustainability and describe them using practical examples of implementation.

***3) Scientific self conception:***

… learn to base their scientific approach and methodology on real-world examples. It is crucial to apply concepts and theories to real-world examples of implementation and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
... can distinguish, evaluate and explain different forms of implementation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
... learn to evaluate investment and financing transactions not only from a financial perspective, but also from an ethical and sustainability-related point of view. The development of a critical mind is very important in this context, as is the ability to express these aspects in the form of arguments based on data and reliable sources, rather than simply accepting and passing on opinions.
... critically reflect on media reports about sustainable finance-relevant contexts through self-organized holistic research, structuring and differentiated evaluation of practical examples.
... can critically reflect on the relationship between financial objectives and sustainability-related objectives.
... develop an understanding of the connection between green economy/green finance and investment and financing. They also learn to recognize lobby-driven misinformation and green-washing.

### Teaching content

- Interfaces between the sustainable economy and sustainable finance
- Forms of sustainable finance
- The value-based perspective
- The action-based perspective
- The risk-based perspective
- Regulation and Compliance
- ESG opportunity and risk management

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., Tvalodze, S., Kharaishvili, M., Pantsulaia, V., & Mukhigulisvili, G. (2022): Climate-related Risk Radar for Georgian economic sectors and its possible application for the financial sector. National Bank of Georgia: Tibilisi.
- Peylo, T., & Villhauer, B. (2021): Clustering of Negative Criteria: A Pragmatic Approach for the Implementation of SRI. In Theories of Change (pp. 109-121). Springer: Cham.
- Peylo, T., & Oster, D. (2019): Sustainability management in savings banks: Practical handbook for the successful implementation and fulfillment of regulatory requirements. Deutscher Sparkassenverlag DSV: Stuttgart.

## MODUL 3B: VALUE-BASED SUSTAINABLE FINANCE

| General information | |
|---|---|
| **Module title** | Value-based Sustainable Finance |
| **Code:** | |
| **Module no. (SPO)** | 3b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Dr. Bernd Villhauer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 3a Introduction & Overview) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… learn about the theoretical and practical aspects of Sustainable Finance
… understand the relevance of specific instruments and products
… know more about the changes in business models, corporate challenges und new forms of risk management
… identify the relations between transformations in law, economy and politics on a national, European and global level

***2) Using and applying knowledge:***

... know new forms of investment and capital allocation
… identify the business opportunities in new markets
… learn to manage transformation processes in financial and non- financial companies.

***3) Scientific self conception:***

… evaluate case studies
… understand front lines of conflict in financial markets
… find a new perspective on finance-based disruptions.

***4) Personal development, ethical behaviour and professionalism:***

… critically reflect the public debate about Sustainable Finance
… understand the personal responsibilities in investing and organizing capital flows.

### Teaching content

- Historical and theoretical introduction in all aspects of Sustainable Finance
- Examples and Applications of new practices and products
- Explanation of the framework of laws and rules
- The perspective of the consumer
- The perspective of the investor
- The perspective of the company
- The perspective of the lawmaker
- Comparison between different countries
- Case studies from the finance sector and others
- Future conflicts and disruptions

### Reading list

**Compulsory reading:**


- Dirk Schoenmaker / Willem Schramade, Principles of Sustainable Finance, Oxford University Press, Oxford 2022
- Alexandra Bolena, Nachhaltig investieren, Wiley-VCH, Weinheim 2021
- Simon Smiles, Sustainable Investing in Practice, London, Kogan Page 2023


**Recommended additional reading:**


- CRIC, Nachhaltige Finanzen, Springer, New York / Heidelberg / Wiesbaden 2020
- Robert Bopp / Max Weber, Sustainable Finance, Schaeffer Poeschel, Stuttgart 2020
- Manfred Stüttgen, Ethik von Banken und Finanzen, Nomos, Baden-Baden 2017
- Bernd Villhauer, Meine Bank wäscht grüner, Hirzel, Stuttgart 2023
- Rosella Carè, Sustainable Banking, Palgrave MacMillan, London 2018
- Danny Busch / Guido Ferrarini / Seraina Grünewald, Sustainable Finance in Europe, Palgrave MacMillan, London 2021

## MODUL 3C: ACTION-BASED SUSTAINABLE FINANCE

| General information | |
|---|---|
| **Module title** | Action-based Sustainable Finance |
| **Code:** | |
| **Module no. (SPO)** | 3c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 3d Risk-based Sustainable Finance) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… have an overview over the political agenda especially in the context of the Sustainable Development Goals (SDG) and the Paris agreement and its consequences on country-specific regulation.
... understand the interplay between regulation, subsidies and green transformation (e.g. the European Green Deal).
… understand the role of banks and the financial markets in the greening of the economy
... have detailed knowledge of selected financial instruments in this context (e.g. green bonds and green loans).
... understand stakeholder requirements, especially in relation to action-based sustainability.
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instrument

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to demonstrate and visualize interrelationships.
... are able to describe important content from different perspectives and illustrate it using examples from business practice.
... can apply their knowledge to characterize different forms of financial market-related sustainability and describe them using practical examples of implementation.
... are able to differentiate between sustainability-related instruments at the primary and secondary market and their respective impact on the green transformation.
… define basic financial terms and apply them in a targeted manner.

***3) Scientific self conception:***

… learn to base their scientific approach and methodology on real-world examples. It is crucial to apply concepts and theories to real-world examples of implementation and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
... can distinguish, evaluate and explain different forms of implementation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
... learn to evaluate investment and financing transactions not only from a financial perspective, but also from an ethical and sustainability-related point of view. The development of a critical mind is very important in this context, as is the ability to express these aspects in the form of arguments based on data and reliable sources, rather than simply accepting and passing on opinions.
... critically reflect on media reports about sustainable finance-relevant contexts through self-organized holistic research, structuring and differentiated evaluation of practical examples.
... critically reflect on the relationship between financial objectives and sustainability-related objectives.
... develop an understanding of the connection between green economy/green finance and investment and financing. They also learn to recognize lobby-driven misinformation and green-washing. .

### Teaching content

- The action-based perspective
- The political Agenda
  - Action plan on sustainable finance
  - European Green Deal
  - Green Taxonomies
- Financial instruments in the context of sustainable finance
  - The development of the green bond market
  - Specifics of green loans
- •The role of subsidies in the context of the green transformation
- •Regulation and compliance
- •Case study Sustainable Finance Compass

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- European Commission (2018): Action plan: Financing sustainable growth. European Commission: Brussels.
- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham

## MODUL 3D: RISK-BASED SUSTAINABLE FINANCE

| General information | |
|---|---|
| **Module title** | Rislk-based Sustainable Finance |
| **Code:** | |
| **Module no. (SPO)** | 3d |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 3c Action-based Sustainable Finance) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

**Learning objectives:**

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… have an overview over the regulation-agenda especially in the context of the European action plan and the European sustainable finance strategy.
... understand the interplay between regulation, financing and green transformation.
… understand the role of banks and the financial markets in the greening of the economy
... have detailed knowledge of ESG-risk management and understand its main components (physical climate risk, transition risk, other ESG risk including nature-related risk).
… understand stakeholder requirements, especially in relation to risk-based sustainability.
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instruments.

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to demonstrate and visualize interrelationships.
... are able to describe important content from different perspectives and illustrate it using examples from business practice.
.... can apply their knowledge to characterize different forms of financial market-related sustainability and describe them using practical examples of implementation.

***3) Scientific self conception:***

… learn to base their scientific approach and methodology on real-world examples. It is crucial to apply concepts and theories to real-world examples of implementation and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
... can distinguish, evaluate and explain different forms of implementation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
.. .learn to evaluate investment and financing transactions not only from a financial perspective, but also from an ethical and sustainability-related point of view. The development of a critical mind is very important in this context, as is the ability to express these aspects in the form of arguments based on data and reliable sources, rather than simply accepting and passing on opinions.
... critically reflect on media reports about sustainable finance-relevant contexts through self-organized holistic research, structuring and differentiated evaluation of practical examples.
... can critically reflect on the relationship between financial objectives and sustainability-related objectives.
... develop an understanding of the connection between green economy/green finance and investment and financing. They also learn to recognize lobby-driven misinformation and green-washing.

**Teaching content**

- Interfaces between the sustainable economy and sustainable finance from a risk-perspective
- Forms of ESG-risk
  - Acute physical climate risk
  - Chronic physical climate risk
  - Transition risk
  - Other ESG risks including nature-related risks
- Regulation and Compliance
  - European Perspective
  - International Perspective
- The triad of risk management, reporting and market opportunities
- Case Study ESG Risk Radar

**Reading list**

**Compulsory reading:**


- EBA – European Banking Authority (2021): EBA Report on Management and Supervision of ESG Risk for Credit Institutions and Investment Firms. EBA: Paris.
- EBA – European Banking Authority (2020): Action Plan on Sustainable Finance. EBA: Paris.


**Recommended additional reading:**


- European Commission (2018): Action plan: Financing sustainable growth. European Commission: Brussels.
- European Commission (2021): Strategy for financing the transition to a sustainable economy. European Commission: Brussels.
- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., Tvalodze, S., Kharaishvili, M., Pantsulaia, V., & Mukhigulisvili, G. (2022): Climate-related Risk Radar for Georgian economic sectors and its possible application for the financial sector. National Bank of Georgia: Tibilisi.

## MODUL 4: RENEWABLE ENERGIES

| General information | |
|---|---|
| **Module title** | Renewable Energies |
| **Code:** | |
| **Module no. (SPO)** | 4 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Dr. Sebastian Kolb |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures with exercises and discussions, case study exercises |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… describe different renewable energy technologies and their underlying technical principles.
… compare different sources of renewable energy regarding their technical characteristics, environmental impacts, and economic performance parameters.
… understand the impacts of renewable energies on energy systems and the resulting potential benefits and challenge.

***2) Using and applying knowledge:***

... calculate energy costs of different energy sources.
… reflect on different methods to integrate renewable energies in future energy systems.
… assess legal aspects of energy economics and renewable energy supporting schemes.

***3) Scientific self conception:***

… evaluate current ongoing research in the field of renewable energies.
… apply the theoretical background given in this lecture to practical exercises.

***4) Personal development, ethical behaviour and professionalism:***

… discuss potentials and challenges of renewable energies.
… critically analyse current developments in and discussions on renewable energies and energy markets.

### Teaching content

- This course will teach the fundamentals of renewable energies and the impacts an increasing share of green energy has on the existing energy systems. Therefore, we will follow through the supply chain of energy to assess impacts and trends in future renewable energy systems.
- Contents will be illustrated with practical examples from real energy markets.
- The theoretical knowledge will be applied in various exercises and case studies.

**Contents of the lecture are in detail:**

- *Renewable Energy Generation*
  - Available technologies and their operating principles
  - Costs and environmental meaningfulness of renewable energies
  - Available potential worldwide
- *Renewable Energy Consumption*
  - Challenges arising for consumers and markets due to renewable energies
  - Approaches to transform energy consumption for future energy systems
- *Renewable Energy Trading*
  - Working principles of current electricity trading and the impacts renewable energy on price formation
  - Potential future market designs to further integrate renewable energy
- *Renewable Energy Transportation and Distribution*
  - Challenges of renewable energy for power grids and potential solutions
- *Renewable Energy Storage*
  - Meaning of electricity storage for future renewable energy systems
  - Storage options and their respective tasks (e. g. hydrogen, batteries, etc.)
- *Renewable Energy Regulation*
  - Mechanisms for the promotion and regulation of renewable energy

### Reading list

**Compulsory reading:**


- Quaschning, V.: Renewable Energy and Climate Change; Chichester, 2019, John Wiley & Sons Ltd
- Schwarz, P.: Energy Economics; Abingdon, 2023, Routledge-Verlag
- Quaschning, V.: Understanding Renewable Energy Systems; London 2016, Earthscan/Routledge


**Recommended additional reading:**


- Zweifel, P. et al.: Energy Economics – Theory and Applications; Berlin, Heidleberg, 2017, Springer-Verlag
- Biggar, D.R., Hesamzadeh, M.R.: The Economics of Electricity Markets; Chichester, 2014, John Wiley & Sons-Verlag
- Bkare, M., et al.: A comprehensive overview on demand side energy management towards smart grids: challenges, solutions, and future direction. Energy Informatics 6:4 (2023). doi:10.1186/s42162-02300262-7
- Dahiru, A.T., et al: A comprehensive review of demand side management in distributed grids based on real estate perspectives. Environ Sci Pollut Res 30, 81984–82013 (2023). doi:10.1007/s11356-02325146-x
- Lampropoulos, I., et al.: History of Demand Side Management and Classification of Demand Response Control Schemes. 2013 IEEE Power & Energy Society General Meeting, Vancouver, BC, Canada (2013). doi:10.1109/PESMG.2013.6672715

## MODUL 5: BUSINESS GAMES

### MODUL 5A: BUSINESS GAME CORPORATE SUSTAINABILITY

| General information | |
|---|---|
| **Module title** | Business Game Corporate Sustainability |
| **Code:** | |
| **Module no. (SPO)** | 5a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | NN |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Gamification / Simulation-based teaching |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… know the basics of the sustainability concept and its implementation in the corporate context.
... are familiar with various forms of corporate sustainability (corporate sustainability, CSR, corporate citizenship) and can explain them.
... understand stakeholder requirements, especially in relation to sustainability.
… understand market-related considerations of sustainable products and production processes
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instruments.

***2) Using and applying knowledge:***

... apply their acquired knowledge in the simulation context of a business game in order to independently develop solutions and implement them in the relevant context through simulated decisions and consequences.
... are able to describe important content from different perspectives, explain it using examples from the simulation and transfer it to business practice.
... are able to differentiate between the tasks of corporate sustainability in the various phases of the product/project life cycle, define basic terms and apply them specifically in the context of simulation.

***3) Scientific self conception:***

… apply their acquired knowledge in the simulation context of a business game in order to independently develop solutions and implement them in the relevant context through simulated decisions and consequences.
... are able to describe important content from different perspectives, explain it using examples from the simulation and transfer it to business practice.
... are able to differentiate between the tasks of corporate sustainability in the various phases of the product/project life cycle, define basic terms and apply them specifically in the context of simulation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
… learn to analyze problems and develop solutions in a self-organized manner
... can critically compare and discuss the decisions they have made with other teams and recognize the advantages and disadvantages of the approaches and transfer them to business practice.
... can critically reflect the advantages and limitations of a simplified simulation; they can recognize the considerations underlying the modeling and reflect on alternative simulation approaches.

### Teaching content

- ESG-opportunity management in the context of corporate sustainability
- Development of sustainability-related strategies in a competitive context
- ESG-risk management and adaptation measures
- Details depending on the business game used (there are currently two games on the shortlist)

### Reading list

**Compulsory reading:**

- Manual for the selected business game

**Recommended additional reading:**


- Schaltegger, S. & Müller, M. (2016) (Edt.): Corporate Social Responsibility: Trend oder Modeerscheinung? Oekom, Munic.
- Schaltegger, S.; Burrit, R. & Petersen, H. (2003): An Introduction to Corporate Environmental Management. Greenleaf, Sheffield.
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham.

### MODUL 5B: BUSINESS GAME SUSTAINABLE FINANCE

| General information | |
|---|---|
| **Module title** | Business Game Sustainable Finance |
| **Code:** | |
| **Module no. (SPO)** | 5b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Gamification / Simulation-based teaching |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the basics of sustainable finance and the connection of this module's content.
... understand stakeholder demands also and especially in relation to sustainable finance.
... know the interfaces between the real economy and the financial economy and can describe them and relate them to the appropriate financial instruments.
… understand the different pillars of sustainable finance (value based, action based and risk based sustainable finance) and can explain them also in terms of financial instruments and stakeholder relevance.
… understand and describe the connection between corporate sustainability implementation, core business and stakeholder management.
… have an overview over different measures of sustainable finance implementation in the relevant fields of cation.

***2) Using and applying knowledge:***

... apply their acquired knowledge in the simulation context of a business game in order to independently develop solutions and implement them in the relevant context through simulated decisions and consequences.
... are able to describe important content from different perspectives, explain it using examples from the simulation and transfer it to business practice.
... are able to differentiate between the tasks of sustainable finance implementation in the context of the changing relevance in the topic, define basic terms and apply them specifically in the simulation.

***3) Scientific self conception:***

… apply their acquired knowledge in the simulation context of a business game in order to independently develop solutions and implement them in the relevant context through simulated decisions and consequences.
... are able to describe important content from different perspectives, explain it using examples from the simulation and transfer it to business practice.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
… learn to analyze problems and develop solutions in a self-organized manner
... can critically compare and discuss the decisions they have made with other teams and recognize the advantages and disadvantages of the approaches and transfer them to business practice.
... can critically reflect the advantages and limitations of a simplified simulation; they can recognize the considerations underlying the modeling and reflect on alternative simulation approaches.

### Teaching content

- Learn the context, background and mechanics of the simulation GreenUp!
- Stakeholder management in the context of corporate sustainability
- Systematic planning and implementation of projects to introduce sustainable finance in a bank faced with scarce ressources
- Manage ESG-opportunities and ESG-risks in the loan portfolio with sophisticated capital allocation
- Manage consequences of implementation measures and financing successes on stakeholder attitudes
- Develop a fictive bank in a changing market environment and lead them to success against an ambitious competition
- Succeed in both economic and sustainable terms and make your institute fit for the future

### Reading list

**Compulsory reading:**

- Manual for the GreenUp! business game

**Recommended additional reading:**

- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham.

## MODUL 6: COMPANY ASSIGNMENT I

| General information | |
|---|---|
| **Module title** | Company Assignment I |
| **Code:** | |
| **Module no. (SPO)** | 6 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 1 |
| **Repetition / frequency** | Annual, currently winter semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Term Paper + Presentation |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… analyze practical tasks and problems within real-world companies, identifying strengths, weaknesses, and areas for improvement.
… develop the skills to devise innovative solutions to sustainability-related challenges faced by businesses, incorporating principles of corporate sustainability and sustainable finance.
… gain practical experience in applying sustainability frameworks and tools through project-based learning.
… learn to collaborate effectively with diverse stakeholders, including industry professionals, to implement sustainable strategies that drive positive impact and value creation.
… emerge with a comprehensive understanding of how corporate sustainability and sustainable finance intersect to foster long-term resilience and prosperity.

***2) Using and applying knowledge:***

... apply their understanding of corporate sustainability principles to real-world scenarios, demonstrating practical knowledge in addressing sustainability challenges.
… utilize their skills in sustainable finance to analyze and evaluate the financial implications of sustainable business practices within different industries.
… demonstrate proficiency in using sustainability frameworks and tools to assess ESG performance and make informed recommendations for improvement.
… effectively apply collaborative techniques to engage with stakeholders and implement sustainable strategies that align with organizational goals and values.
… develop the ability to navigate complexities in corporate sustainability and sustainable finance, preparing them for leadership roles in driving positive change.

***3) Scientific self conception:***

… critically evaluate the scientific underpinnings of corporate sustainability and sustainable finance, recognizing the interdisciplinary nature of these fields.
… cultivate a reflective mindset, continuously questioning and refining their understanding of sustainability concepts and their applications in the business context.
… develop the ability to discern reliable sources of information and distinguish between evidence-based practices and greenwashing in corporate sustainability efforts.
… embrace uncertainty and complexity, understanding that solutions to sustainability challenges often require iterative approaches and ongoing learning.
… contribute to the advancement of knowledge in the field of corporate sustainability and sustainable finance, promoting evidence-based decision-making and innovation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
… reflect on their personal values and beliefs, recognizing the role of ethics in shaping their decisions and actions within the realm of corporate sustainability and sustainable finance.
… cultivate a sense of responsibility towards society and the environment, demonstrating ethical behavior by prioritizing the long-term well-being of stakeholders over short-term gains.
… enhance their professional skills, including communication, project-management and teamwork.
… embrace diversity and inclusion, respecting different perspectives and striving for equitable outcomes in their sustainability initiatives.

### Teaching content

- Application of sustainability frameworks and tools to assess ESG- and sustainability-related tasks and problems
- Collaboration with diverse stakeholders to implement sustainable strategies
- Understanding the intersection of corporate sustainability and sustainable finance for long-term resilience and prosperity
- Application of knowledge in addressing sustainability challenges in various industries
- Evaluation of financial implications of sustainable business practices
- Proficiency in using sustainability frameworks and tools to make informed recommendations
- Utilization of collaborative techniques to engage stakeholders and align strategies with organizational goals
- Critical evaluation of scientific underpinnings of corporate sustainability and sustainable finance
- Cultivation of a reflective mindset and discernment of reliable sources of information
- Embrace of uncertainty and complexity in sustainability solutions
- Contribution to the advancement of knowledge through evidence-based decision-making
- Reflection on personal values and ethics in decision-making
- Demonstration of ethical behavior and professionalism in sustainability initiatives
- Embrace of diversity and inclusion in sustainability efforts
- Integrity and accountability in project-management.

**Reading list**

**Compulsory reading:**

- None

**Recommended additional reading:**

- Schaltegger, S. & Müller, M. (2016) (Edt.): Corporate Social Responsibility: Trend oder Modeerscheinung? Oekom, Munic.
- Schaltegger, S.; Burrit, R. & Petersen, H. (2003): An Introduction to Corporate Environmental Management. Greenleaf, Sheffield.
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., & Oster, D. (2019): Sustainability management in savings banks: Practical handbook for the successful implementation and fulfillment of regulatory requirements. Deutscher Sparkassenverlag DSV.

## II. Zweites Lehrplansemester

### Modul 7: Sustainability in Core Business

#### Modul 7a: Sustainable Operations

| General information | |
|---|---|
| **Module title** | Sustainable Operations |
| **Code:** | |
| **Module no. (SPO)** | 7a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Christian Nuß |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures / seminar lesson, case studies and exercises |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 24 hours<br>Preparation, reading, follow-up: 24 hours<br>Practice and preparation for examination 27 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… know links between operations management and sustainability.
… understand the impact of value creation on sustainability goals.
… identify fields of action to mitigate negative environmental and social impacts of value creation.
… be able to integrate sustainability aspects into corporate decision-making.
… know relevant regulations, standards and certifications related to sustainable operations.

***2) Using and applying knowledge:***

... explore strategies for integrating sustainability considerations into operations and supply chain management practices through case studies.
… identify and quantify trade-offs and win-win situations resulting from the implementation of different strategies.
… apply principles of efficiency, consistency and sufficiency to make operations more sustainable.

***3) Scientific self conception:***

… derive fact-based decisions that rely on systematic and structured models to achieve goals.

***4) Personal development, ethical behaviour and professionalism:***

… cultivate environmental and social awareness and integrity in students.
… assess the impact of value creation on people, planet and profit

### Teaching content

- Introduction and Basics
- Ecodesign for Sustainable Products
- Sustainable Supply Chain Design
- Sustainable Procurement
- Energy- and Material-efficient Production
- Green Transportation and Logistics
- Reverse Logistics and Closed-Loop Supply Chain Management

### Reading list

**Compulsory reading:**

- Grant, D.B., Trautrims, A. and Wong, C.Y. (2017): Sustainable Logistics and Supply Chain Management – Principles and Practices for Sustainable Operations and Management. 2nd Edition. Kogan Page; New York.
- WRI. Greenhouse Gas Protocol. World Resources Institute, URL: https://www.wri.org/ initiatives/greenhouse-gas-protocol.

**Recommended additional reading:**

- Dekker, R., Fleischmann, M., Inderfurth, K. and van Wassenhove, L.N. [Eds.] (2004): Reverse Logistics – Quantitative Models for Closed-Loop Supply Chains. Springer; Berlin and Heidelberg.
- de Boer, L. and Anderse, P.H. [Eds.] (2019): Operations Management and Sustainability – New Research Perspectives. Palgrave Macmillan; Chams.

## MODUL 7B: SUPPLY CHAIN & SOURCING

| General information | |
|---|---|
| **Module title** | Supply Chain & Sourcing |
| **Code:** | |
| **Module no. (SPO)** | 7b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Julia Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lecture, Practical application and case study exercises |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 5 hours<br>Practice and preparation for examination 7,5 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 7c Sustainability Accounting) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… develop a deep understanding of the principles, concepts, and practices involved in sustainable sourcing and supply chain management, including how sustainability considerations intersect with traditional supply chain operations.

… acquire analytical skills to evaluate the environmental, social, and economic impacts of sourcing decisions and supply chain activities. They will be able to assess the sustainability performance of suppliers, identify areas for improvement, and develop strategies to mitigate risks and enhance sustainability.

… gain a strategic perspective on integrating sustainability into sourcing and supply chain management strategies. They will learn how to align sustainability goals with overall business objectives, develop sustainable procurement strategies, and leverage sustainability as a source of competitive advantage.

***2) Using and applying knowledge:***

... be equipped with practical tools, frameworks, and techniques to implement sustainable sourcing practices and manage sustainable supply chains effectively. They will have the knowledge and skills to implement sustainable procurement policies, engage with stakeholders, measure sustainability performance, and drive continuous improvement initiatives within organizations.

… will emerge from the course with the knowledge and skills necessary to address the complex challenges and opportunities associated with sustainable sourcing and supply chain management in today's global business environment.

***3) Scientific self conception:***

… differentiate, evaluate and explain different forms of sustainable sourcing methodologies and supply chain models.

… work in-depth on case studies, identify inherent challenges and evolve corresponding solutions.

***4) Personal development, ethical behaviour and professionalism:***

… achieve a sound understand of the challenges encountered by sourcing and supply chain management in general and the increasingly serious challenges encountered by sustainable sourcing and supply chain management.

… critically reflect on the relationship between the company’s profit targets and the impositions driven by sustainable sourcing and supply chain management

### Teaching content

- Fundamentals of sustainable sourcing and supply chain management
- Understanding the importance of sustainability in the supply chain
- Sustainable procurement practices and sustainable supplier relationship management
- Regulatory compliance and standards in sustainable sourcing and supply chain management
- Performance measurement, reporting and risk management in sustainable sourcing and supply chain management
- Environmental impact assessment in sourcing
- Ethical sourcing principles and social responsibility in supply chains

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- Bouchery, Y.; Corbett, C.; Fransoo, J.; Tan, T. (2016): Sustainable Supply Chains
- O'Brien, J. (2023) Sustainable Procurement: A Practical Guide to Corporate Social Responsibility in the Supply Chain

## MODUL 7C: SUSTAINABILITY ACCOUNTING

| General information | |
|---|---|
| **Module title** | Sustainability Accounting |
| **Code:** | |
| **Module no. (SPO)** | 7c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Sven Henning |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | seminar-style teaching and assignment work |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 7b Supply Chain & Sourcing) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the importance of sustainability accounting for a company's business model (including challenges)
… understand the importance of sustainability accounting for sustainability reporting and assessment by stakeholders
… understand instruments for determining and considering environmental costs and the associated challenges
… understand the principles of carbon accounting.

***2) Using and applying knowledge:***

... calculate - on a case-by-case basis – social and environmental costs
… design – on a case-by-case basis – an appropriate sustainable accounting system
... compare the suitability, informative value and comparability of given (environmental) costs, indicators and accounting systems
... develop and scrutinise solutions for integrating social and environmental costs in management mechanisms.

***3) Scientific self conception:***

… reflect on approaches, opinions and arguments in textbooks and other sources
... reflect on the origin, extraction, quality and significance of non-financial performance information
... can use what they have learnt to overcome the practical challenges involved in providing environmental financial performance information.

***4) Personal development, ethical behaviour and professionalism:***

… organise and manage themselves - in the context of acquiring knowledge, working on tasks and preparing for exams.
... express sustainability accounting -related issues and self-developed solutions in writing in a well-founded and convincing manner.
... take ethical aspects into account when developing proposed solutions and also consider the consequences of decisions and actions from an ethical point of view

### Teaching content

- Importance of sustainability accounting for business success and role in sustainability reporting
- Approaches and Limits to the assessment of social and environmental costs
- Possibilities and limitations of integrating sustainability aspects into a cost accounting and conrolling system
- Interdependencies between sustainability accounting and controlling processes
- Environmental cost accounting and environmental product life cycle assessment
- Carbon Accounting as an example of a non-financial calculation
- Sustainability accounting for agile companies
- Data management, data quality and informative value
- Organisational and procedural anchoring of sustainability and the role and tasks of controlling, Incentivising the actors

### Reading list

**Compulsory reading:**

- Laine, M. et al.: Sustainability Accounting and Accountability, Routledge 2021

**Recommended additional reading:**

- Rimmel, G.: Accounting for Sustainability, earthscan routledge 2020
- Glavas, D.: Valuation and Sustainability: A Guide to Include Environmental, Social, and Governance Data in Business Valuation (Sustainable Finance), Springer 2023
- Andrejewski, K. et al.: Praxishandbuch ESG: Grundlagen, Bedeutung und Umsetzung in Unternehmen (Recht Wirtschaft Steuern - Handbuch), R&W 2023
- Sassen, R.: Nachhaltigkeitsmanagement kompakt: Normative und Regulative Anforderungen sowie erste Schritte zur Implementierung nachhaltiger Prozesse und Strategien in Unternehmen, Vahlen 2023

## MODUL 8: SUSTAINABILITY IN BUSINESS OPERATIONS

### MODUL 8A: SUSTAINABLE HR & LEADERSHIP

| General information | |
|---|---|
| **Module title** | Sustainable HR & Leadership |
| **Code:** | |
| **Module no. (SPO)** | 8a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Katrin Winkler |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Online |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 15 hours<br>Preparation, reading, follow-up: 15 hours<br>Practice and preparation for examination 7,5 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 8b Corporate Finance, M&A) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

- Introduction to Sustainable HR & Leadership: Understand the concept of sustainability within the HR and leadership context, recognizing the impact of sustainable practices on organizational success and global well-being.
- Sustainability and Organizational Culture: Comprehend the methodologies for integrating sustainability into organizational culture, including the engagement of employees in sustainability initiatives.
- Sustainable Talent Management: Grasp the principles of sustainable talent management, including recruitment, retention, and development strategies that support organizational sustainability goals.
- Leadership for Sustainability: Learn about various leadership styles and strategies that facilitate sustainability, including the ability to inspire, lead by example, and effectively communicate sustainability values.

***2) Using and applying knowledge:***

- Introduction to Sustainable HR & Leadership: Apply understanding of sustainable HR and leadership principles to evaluate current practices and identify areas for improvement.
- Sustainability and Organizational Culture: Develop and implement strategies for embedding sustainability into organizational culture, tailored to specific organizational contexts.
- Sustainable Talent Management: Utilize knowledge of sustainable talent management to design and execute recruitment, retention, and development plans that align with sustainability goals.
- Leadership for Sustainability: Employ learned leadership strategies to actively promote and implement sustainability initiatives within the organization.

***3) Scientific self conception:***

- Introduction to Sustainable HR & Leadership: Cultivate a critical awareness of the importance of evidence-based approaches in the adoption and promotion of sustainable HR practices and leadership.
- Sustainability and Organizational Culture: Reflect on the impact of organizational culture on sustainability initiatives, assessing how scientific methods can be used to measure and enhance this impact.
- Sustainable Talent Management: Analyze the effectiveness of different talent management practices from a sustainability perspective, leveraging scientific research and data.
- Leadership for Sustainability: Evaluate leadership theories and practices through a scientific lens, understanding the psychological and behavioral science that supports sustainable leadership effectiveness.

***4) Personal development, ethical behaviour and professionalism:***

- Introduction to Sustainable HR & Leadership: Enhance personal commitment to sustainability, recognizing its ethical implications and the role of HR and leadership in fostering a sustainable future.
- Sustainability and Organizational Culture: Develop a personal ethos that values and promotes a culture of sustainability within the organization, demonstrating ethical leadership.
- Sustainable Talent Management: Commit to ethical practices in talent management, ensuring diversity, inclusion, and fairness, and considering the long-term well-being of employees and the environment.
- Leadership for Sustainability: Embody professional and ethical standards in leadership, serving as a role model for sustainability, and engaging in continuous personal development to lead effectively in changing environments.

### Teaching content

- Introduction to Sustainable HR & Leadership: An overview of what sustainability means in the context of HR and leadership. This section covers the importance of integrating sustainable practices into organizational culture, talent management, and leadership approaches.
- Sustainability and Organizational Culture: Strategies for embedding sustainability into the core values of an organization. This involves an understanding on how to engage employees in sustainability initiatives and creating a work environment that prioritizes sustainable practices.
- Sustainable Talent Management: Guidance on how to attract, retain, and develop talent in a way that aligns with sustainability goals. This includes sustainable recruitment practices, promoting diversity and inclusion, and creating development programs that encourage sustainable thinking among employees.
- Leadership for Sustainability: Focus on leadership styles and strategies that promote sustainability. This section covers the topic on how leaders can inspire and drive change within their organizations, lead by example in sustainable practices, and communicate the importance of sustainability to all stakeholders.

**Reading list**

**Compulsory reading:**


- Saleh, R., & Atan, T. (2021). The involvement of sustainable talent management practices on employee's job satisfaction: Mediating effect of organizational culture. *Sustainability*, *13*(23), 13320.
- Winkler, K., König, S., & Heß, C. (2022). *Managing and leading hybrid teams.*
- Feroz, A.; Zo, H.; Eom, J. & Chiravuri, A. (2023). Identifying organizations' dynamic capabilities for sustainable digital transformation: A mixed methods study. *Technology in Society, 73*, 102257.
- Rupčić, N. (2023). How can learning organizations support sustainability goals? *The Learning Organization, 30*(5), 658-668.
- Hagen-Olafsen, A., Nilsen, E., Smedsrud, S., & Kamaric, D. (2021). Sustainable development through commitment to organizational change: the implications of organizational culture and individual readiness for change. *Journal of Workplace Learning, 33*(3), 180-196.


**Recommended additional reading:**


- Schein, E. H. (1965). Organizational Psychology. Englwood Cliffs, New Jersey: Prentice-Hall, Inc.
- Herzberg, F., Mausner, B. & Snyderman, B. B. (2008). The Motivation to Work (11. Aufl.). New Brunswick, New Jersey: Transaction Publishers.
- Foster, P. A. (2014). The Open Organization. A New Era of Leadership and Organizational Development. Farnham: Ashgate Publishing Ltd.

**MODUL 8B: CORPORATE FINANCE, M&A**

| General information | |
|---|---|
| **Module title** | Corporate Finance, M&A |
| **Code:** | |
| **Module no. (SPO)** | 8b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 8a Sustainable HR & Leadership) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… know the basics of capital market financing.
... know the basics of Mergers & Acquisitions.
... understand the interplay between investment and financing in the context of external corporate financing via the capital markets with consideration of sustainability-aspects.
... have detailed knowledge of the financial markets and selected financial instruments, especially those with sustainability-characteristics.
... know different forms of sustainability-related capital market financing and explain them in a differentiated way.
... have detailed knowledge about the M&A process and the role of sustainability especially in the context of the due diligence.
... understand stakeholder requirements in the context of financial-markets, especially in relation to sustainability.

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to explain and visualize relationships.
... describe important content from different perspectives and illustrate it using examples from business practice.
... differentiate between the tasks of capital market financing in the various phases of the product/project life cycle, define basic financial terms and apply them in a targeted manner.
... differentiate between the tasks required for different steps of the M&A process, define relevant terms and apply them in a targeted manner.

***3) Scientific self conception:***

… learn to base their academic approach and methodology on real-world examples. It is crucial to apply concepts and theories to real investment examples and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
... distinguish, evaluate and explain different forms of investment methods.

***4) Personal development, ethical behaviour and professionalism:***

… reflect on personal values and ethical considerations in environmental management decision-making in the context of corporate finance and M&A.
… demonstrate ethical behaviour and professionalism in implementing optimization measures.
… organize and manage themselves in the context of knowledge acquisition and application.
... learn to evaluate investment, financing and M&A transactions not only from a financial point of view, but also from an ethical and sustainability point of view. The development of a critical mind is very important in this context, as is the ability to express these aspects in the form of arguments based on data and reliable sources, rather than simply accepting and passing on opinions.
... critically reflect on media reports about sustainability issues through self-organized, holistic research, structuring and differentiated evaluation of practical examples.
... critically reflect on the relationship between financial goals and sustainability goals.
... develop an understanding of the relationship between green economy/green finance, investment and financing and M&A.

### Teaching content

**Corporate Finance**

- Introduction and overview
- key concepts, principles, and objectives
- the role of finance in driving sustainable business practices
- Integration of ESG factors into financial analysis and valuation techniques
- Exploration of CSR strategies and their impact on financial performance and stakeholder relationships
- Discussion on the importance of stakeholder engagement in sustainable finance practices

**Mergers & Acquisitions**

- Introduction and Overview
- Key concepts, principles, and objectives
- Introduction to sustainability considerations in M&A transactions
- Assessment of environmental, social, and governance risks in the Due Diligence

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- Perk, J. & DeMarzo, P. (2017): Corporate Finance. Pearson, 4 thedition
- Sherman, J. S. (2011): Mergers and Acquisitions from A to Z. Amacom, 3 rdedition

## MODUL 8C: CORPORATE ENVIRONMENTAL MANAGEMENT

| General information | |
|---|---|
| **Module title** | Corporate Environmental Management |
| **Code:** | |
| **Module no. (SPO)** | 8c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 8d Sustainable Mobility) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… examine environmental management principles through case studies across various industries.
… understand methodologies for assessing environmental impact and identifying optimization measures.
… analyze key performance indicators (KPIs) relevant to environmental reporting and disclosure.
… explore regulatory requirements and industry standards shaping environmental management practices.
… integrate theoretical knowledge with practical insights to develop a comprehensive understanding of corporate environmental management

***2) Using and applying knowledge:***

… apply assessment methodologies to evaluate environmental impact and identify opportunities for optimization within case study scenarios.
… develop strategies and action plans to implement efficiency measures and improve environmental performance.
… utilize key figures and performance indicators used to monitor, measure, and report environmental performance.
… incorporate environmental considerations into decision-making processes and organizational strategy within case study contexts.

***3) Scientific self conception:***

… critically evaluate scientific principles underlying environmental impact assessment and optimization measures.
… apply scientific methodologies and data analysis techniques to quantify environmental impacts and assess effectiveness of optimization measures.
… embrace complexity in environmental management challenges and explore interdisciplinary approaches to address them.
… contribute to the advancement of environmental science through evidence-based practices and application of theoretical knowledge in practical contexts

***4) Personal development, ethical behaviour and professionalism:***

… reflect on personal values and ethical considerations in environmental management decision-making within case study scenarios.
… demonstrate ethical behavior and professionalism in implementing optimization measures and environmental initiatives.
… enhance professional skills in communication, project-management and stakeholder engagement relevant to environmental management contexts.

### Teaching content

- Introduction to Corporate Environmental Management: Overview of key concepts, principles, and objectives
- Case Study Analysis: Examination of case studies from different industries highlighting environmental management challenges and opportunities
- Environmental Impact Assessment: Methods and tools for assessing environmental impact, including life cycle assessment (LCA) and carbon footprint analysis
- Optimization Measures: Strategies for identifying and implementing efficiency measures to improve environmental performance
- Key Figure Generation: Discussion on relevant key performance indicators (KPIs) for environmental reporting and disclosure
- Regulatory Frameworks: Overview of environmental regulations and industry standards influencing corporate environmental management practices
- Environmental Management Systems (EMS): Introduction to EMS frameworks such as ISO 14001 and their role in improving environmental performance
- Sustainability Reporting: Principles and guidelines for reporting environmental performance, including frameworks like the Global Reporting Initiative (GRI)
- Stakeholder Engagement: Importance of engaging stakeholders in environmental management initiatives and strategies for effective communication
- Integration of Environmental Considerations: Incorporation of environmental considerations into decision-making processes, product design, and supply chain management
- Best Practices and Case Examples: Exploration of best practices and real-world examples demonstrating successful environmental management strategies
- Interactive Workshops: Hands-on exercises and group discussions to apply concepts learned and develop practical skills in environmental management
- Evaluation and Assessment: Methods for evaluating environmental performance and assessing the effectiveness of environmental management initiatives
- Conclusion and Future Directions: Recap of key learnings and discussion on emerging trends and future directions in corporate environmental management.

**Reading list**

**Compulsory reading:**

- None

**Recommended additional reading:**

- Schaltegger, S.; Burrit, R. & Petersen, H. (2003): An Introduction to Corporate Environmental Management. Greenleaf, Sheffield.
- Camilleri, M. A. (2017): Corporate Sustainability, Social Responsibility and Environmental Management: An Introduction to Theory and Practice with Case Studies (CSR, Sustainability, Ethics & Governance). Springer: Heidelberg.

## MODUL 8D: SUSTAINABLE MOBILITY

| General information | |
|---|---|
| **Module title** | Sustainable Mobility |
| **Code:** | |
| **Module no. (SPO)** | 8d |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Uwe Stratmann |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lecture / Case study exercises / Workshop |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 20 hours<br>Preparation, reading, follow-up: 7,5 hours<br>Practice and preparation for examination 10 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 8c Corporate Environmental Management) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***
… learn and understand how the industry for sustainable mobility services is structured, evolving and working.

***2) Using and applying knowledge:***
... use tools to analyse and reflect sustainability in the mobility market.

***3) Scientific self conception:***
… reflect and evaluate different theories and conceptualize empirical research methods.

***4) Personal development, ethical behaviour and professionalism:***
… consider ethical standards, i.e. concerning green washing..

### Teaching content

- Key Trends Shaping the Future of Mobility
- Technology Perspective: Product and Production Approaches
- Strategic Market Assessment for Mobility Services

### Reading list

**Compulsory reading:**

- Vandycke and Viegas: Sustainable Mobility in a Fast-Changing World, Springer

**Recommended additional reading:**

- None

## MODUL 9: SUSTAINABILITY COMMUNICATION & MARKETING

### MODUL 9A: STAKEHOLDER & REPORTING

| General information | |
|---|---|
| **Module title** | Stakeholder & Reporting |
| **Code:** | |
| **Module no. (SPO)** | 9a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Isabella Brosig-Hoschka |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures, discussions, case studies, group activities, and presentations |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 9b Corporate Citizenship) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… gain a comprehensive understanding of stakeholder theory and its relevance to corporate sustainability.
… explore the principles and frameworks of sustainability reporting, including GRI standards and integrated reporting.
… understand the relationship between stakeholder engagement, corporate governance, and sustainable development goals.

***2) Using and applying knowledge:***

... apply stakeholder mapping techniques to identify and prioritize stakeholder groups relevant to the firm's corporate sustainability strategy.
… analyze sustainability reports and disclosures to assess organizational performance and transparency in the context of sustainability issues.
… develop credible stakeholder engagement strategies and communication plans to enhance corporate reputation and trust.

***3) Scientific self conception:***

… cultivate critical thinking skills to evaluate the role of stakeholder engagement and the need for credible reporting practices.
… demonstrate an ability to analyze the materiality of sustainability issues and build an effective and transparent communication strategy.

***4) Personal development, ethical behaviour and professionalism:***

… reflect on personal values and recognize ethical considerations in sustainability issues and how to communicate them.
… demonstrate professionalism and integrity in interaction with stakeholders and peers.

### Teaching content

- Fundamentals of Stakeholder Theory
  - Stakeholder Identification and Mapping
  - Stakeholder Engagement Techniques
  - Corporate Governance and Stakeholder Management
- Sustainability Reporting Principles, e.g. Double Materiality-Test
- National and International Reporting Frameworks (Global Reporting Initiative (GRI) Standards, DNK, EU CSRD, etc.)
- Analyzing Sustainability Reports
- Stakeholder Engagement and Reportingt

### Reading list

**Compulsory reading:**

- Access to relevant legal databases, regulatory websites.
- Online resources such as GRI guidelines and integrated reporting frameworks
- Selected articles, academic journals and Sustainability reports from leading companies provided throughout the module.

**Recommended additional reading:**

- Andrejewski, Kai C. / Krause, Nils / Hesberg, Moritz von, Praxishandbuch ESG, 2023.
- Bini, Laura / Bellucci Marco, Integrated Sustainability Reporting, 2020.
- Brereton, Pat, Essential concepts of environmental communication, an A-Z guide, 2022.
- Freeman, R. Edward, Stakeholder Theory: The State of the Art, 2010.
- Geier, Bernd / Meringdal, Inga Elise / Stille, Simone, ESG-Compliance, 2023.
- Nietsch, Michael, Corporate social responsibility compliance, 2021.

## MODUL 9B: CORPORATE CITIZENSHIP

| General information | |
|---|---|
| **Module title** | Corporate Citizenship |
| **Code:** | |
| **Module no. (SPO)** | 9b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Manuel Malzer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lectures with discussions |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 13,5 hours<br>Preparation, reading, follow-up: 12 hours<br>Practice and preparation for examination 12 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation(together with Module 9a Stakeholder & Reporting) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the meaning of Corporate Citizenship (CC).
… name different interpretations of CC.
… distinguish between CC and other terms such as Corporate Social Responsibility.
… experience various instruments of CC management.
… name common areas of CC engagement.
… name the different development phases of CC in companies.

***2) Using and applying knowledge:***

... select suitable CC instruments and engagements.
… determine the development phase of an organization's CC in practice.
… explain the rationale of (implementing) CC in business.
… recognize shortcomings with regard to CC in practice.

***3) Scientific self conception:***

… classify and analyze the results of scientific articles related to CC.
… communicate research results in an organization and thus lay the foundation for implementation.

***4) Personal development, ethical behaviour and professionalism:***

… argue for or against certain CC measures.
… classify the contribution of CC to a sustainable society.

### Teaching content

**In this course, the fundamentals of Corporate Citizenship are taught**
Therefore, the course is organized as follows:

- The concept of CC is examined from various perspectives and distinguished from other terms.
- Typical instruments of CC management like foundations, sponsoring and corporate volunteering are presented.
- Possible areas of CC engagement, including their suitability for an organization, are discussed. The advantages of CC will also be outlined in this context.
- The various development phases of CC in organizations are presented.
- The contribution of CC measures to a more sustainable society will be discussed.

### Reading list

**Compulsory reading:**

- None.

**Recommended additional reading:**

- Scherer, A. G.; Palazzo, G. (Eds.) (2008): Handbook of research on global corporate citizenship, Edward Elgar Publishing.
- Mirvis, P.; Googins, B. (2006): Stages of corporate citizenship, at: California Management Review, vol. 48, issue 2, pp. 104-126.
- Habisch, A.; Neureiter, M.; Schmidpeter, R. (Eds.) (2008): Handbuch Corporate Citizenship – Corporate Social Responsibility für Manager, Springer, Berlin and Heidelberg. (German reading)

## MODUL 9C: STRATEGIC SUSTAINABILITY MARKETING

| General information | |
|---|---|
| **Module title** | Strategic Sustainability Marketing |
| **Code:** | |
| **Module no. (SPO)** | 9c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Uwe Stratmann |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lecture / Case study exercises / Presentations / Guest presentations |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 15 hours<br>Preparation, reading, follow-up: 10 hours<br>Practice and preparation for examination 12,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 9d Sustainability Marketing Communication) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… learn and understand sustainable marketing strategy concepts and theories.

***2) Using and applying knowledge:***

... select and apply appropriate strategy approaches and marketing tools (aligned with the market, customers, and company).

***3) Scientific self conception:***

… reflect and evaluate different theories and conceptualize empirical research methods (e.g. for consumer research).

***4) Personal development, ethical behaviour and professionalism:***

… consider ethical standards, i.e. concerning green washing.

### Teaching content

- Introduction into sustainable Marketing Management
- Aligning Sustainability with Marketing Strategy
- Sustainable Marketing Business Cases
- Implementation of Sustainable Marketing

### Reading list

**Compulsory reading:**

- None.

**Recommended additional reading:**

- Meffert, Kenning, Kirchgeorg: Sustainable Marketing Management, Springer Gabler.
- Belz, Peattie: Sustainability Marketing: A Global Perspective, Wiley.

## MODUL 9D: SUSTAINABILITY MARKETING COMMUNICATION

| General information | |
|---|---|
| **Module title** | Sustainability Marketing Communication |
| **Code:** | |
| **Module no. (SPO)** | 9d |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof Dr. Frank Oerthel |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based Lecture / case study exercises/ presentations |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 15 hours<br>Preparation, reading, follow-up: 10 hours<br>Practice and preparation for examination 12,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 or Term Paper + Presentation (together with Module 9c Strategic Sustainability Marketing) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

... know about elements of the marketing-mix and the substantial role of marketing communication as its part

... know different categories of marketing communication (PR, advertising, direct marketing, sales, promotion etc.) and the communication channels used for it (owned customer touchpoints such as corporate website / paid touchpoints like classic or online advertising / earned touchpoints like recommendations or reviews) and their chances/challenges especially in the context of sustainability communication

… know the goal of "Green Marketing" and its facets in communicating sustainability as a company's core value

… are aware of the thin borderline between "real" sustainability and "greenwashing" with respect to marketing communications and the special challenges resulting from it

***2) Using and applying knowledge:***

... develop a strategy for a company to communicate sustainability to several target groups / stakeholders such as politics, investors, and especially consumers.

… fix the goals of sustainability communication of a company, select appropriate measures and media for their achievement, develop communication and advertising messages, and decide on the necessary budgets with respect to effectiveness and efficiency of communication measures.

***3) Scientific self conception:***

… reflect and evaluate different theories and develop empirical research methods (e.g. for consumer research).

… are aware of the difficulties of measuring success of marketing instruments and can judged different approaches and opinions on it in scientific text books and other sources.

***4) Personal development, ethical behaviour and professionalism:***

… are able to discuss all aspects of sustainability marketing communication on par with other experts

… develop their own standpoint on the economy's, companies' and consumers' responsibility for the planet and the society, and defend it against alleged "economic necessities" and other oppositions.

### Teaching content

- Overview of the toolbox of marketing mix instruments and marketing communication as a vital part of it
- Marketing communication: Customer touchpoints, communication channels and media
- Elements of a communication strategy and their operational implementation
- Sustainability as a company's core value and subject of its marketing communication
- Developing a communication strategy focusing on sustainability
- Case studies (success examples)

### Reading list

**Compulsory reading:**

- Belz F.-M. / Peattie K., Sustainability Marketing: A Global Perspective, 2. Aufl. 2012
- Further will be announced during lecture

**Recommended additional reading:**

- Bauer M.J. / Sobolewski S., Grüne Marketing-Kommunikation, 2022
- Errichiello O. / Zschiesche A., Grüne Markenführung, 2. Aufl. 2021
- Kussin M. / Griese K.-M. / Annegarn H., Nachhaltigkeitsorientierte Kommunikationspolitik, in: Gries, K.-M. / Schnitker K. (Hrsg.), Nachhaltigkeitsmarketing – Eine fallstudienbasierte Einführung, 2. Aufl. 2023, S. 217-255
- Wiegand, H., Green Marketing – Erfolgsstrategien für kleine und mittelständische Unternehmen, 2. Aufl. 2022

## MODUL 10: SUSTAINABILE FINANCE II

### MODUL 10A: MICRO FINANCE

| General information | |
|---|---|
| **Module title** | Micro Finance |
| **Code:** | |
| **Module no. (SPO)** | 10a |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Britta Konitzer/ Thomas Konitzer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | lectures, case study exercises, group work |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,25 hours<br>Preparation, reading, follow-up: 16,25 hours<br>Practice and preparation for examination 10 hours<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 10b Implementation & Tools) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the concept of microfinance and its theory of change
… know how microfinance can be designed sustainably (and what pitfalls should be avoided)
… assess the socio-economic mechanisms of microfinance
… critically reflect the benefits and potential pitfalls of microfinance.

***2) Using and applying knowledge:***

... assess the sustainability of microfinance business models
… evaluate strategies of microfinance institutions and derive recommendations
… get involved in projects related with the microfinance sector (e.g., in development cooperation)

***3) Scientific self conception:***

… scientifically analyse the impacts of microfinance on a society/economy
… understand the practical challenges of microfinance institutions against the background of the theoretical concepts of sustainable finance.

***4) Personal development, ethical behaviour and professionalism:***

… Summarise the results of your own analyses of microfinance businesses in different environments in an understandable and differentiated way
… Consider and apply ethical aspects in academic and practical work in the microfinance sector
… Carry out studies or write articles on this topic independently.

### Teaching content

- Why microfinance? A brief history of microfinance in different cultural/regional environments; opportunities and challenges of microfinance: financial inclusion, outreach, the last mile, gradual professionalisation of the sector, regulation, fraud & embezzlement, etc.
- Critical view on microfinance: social pressure, over indebtedness, cost pressure vs. affordability of financial products
- Particularities of the microfinance sector: Legal forms of microfinance institutions; fundamentals of profit-orientated bank (aka: microfinance) management; products (group lending, micro savings, micro loans, micro insurance, micro leasing, …); collaterals and cash flow based lending; Sharia-compliant microfinance
- Microfinance and ESG: The increasing role of green/sustainable finance in microfinance, social change through microfinance, governance issues in the microfinance industry
- Microfinance and digitalization: new market entrants, their impact on social aspects of microfinance, and how microfinance institutions respond

### Reading list

**Compulsory reading:**

- T.b.a.

**Recommended additional reading:**

- T.b.a.

## MODUL 10B: IMPLEMENTATION & TOOLS

| General information | |
|---|---|
| **Module title** | Implementation & Tools |
| **Code:** | |
| **Module no. (SPO)** | 10b |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Seminar-based teaching |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio (together with Module 10a Micro Finance) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… have an overview over tools and methodologies that can help financial institutions with the implementation of sustainable finance in their strategy, core business, business operations and communication.
... have an overview over tools and methodologies that can help financial institutions with the implementation of ESG-risk management.
... understand the interplay between regulation, financing and green transformation.
... understand the role of banks and the financial markets in the greening of the economy
... have detailed knowledge of ESG-risk management and understand its main components (physical climate risk, transition risk, other ESG risk including nature-related risk).
… understand stakeholder requirements, especially in relation to action-based and risk-based sustainability.

***2) Using and applying knowledge:***

... apply the knowledge they have acquired to demonstrate and visualize interrelationships.
... apply knowledge about ESG-risk in practically assessing the ESG-risk situation of economic sectors using the tool ESG Risk Radar
… apply the knowledge about Sustainable Finance implementation using the tool Sustainable Finance Compass
... are able to describe important content from different perspectives and illustrate it using examples from business practice.
... can apply their knowledge to characterize different forms of financial market-related sustainability and describe them using practical examples of implementation.

***3) Scientific self conception:***

… earn to base their scientific approach and methodology on real-world examples. It is crucial to apply concepts and theories to real-world examples of implementation and use them to gain an understanding of policy development and application as well as evaluation practices. In this context, students need to practice case study approaches and the analysis of empirical data.
... can distinguish, evaluate and explain different forms of implementation.

***4) Personal development, ethical behaviour and professionalism:***

... organize and manage themselves in the context of knowledge acquisition and its application.
... learn to evaluate and prioritize implementation actions
... can critically reflect on the relationship between financial objectives and sustainability-related objectives.
... develop an understanding of the connection between green economy/green finance and investment and financing. They also learn to recognize lobby-driven misinformation and green-washing.

### Teaching content

- **Introduction into tools and modeling approaches**
- **Tools for Implementing Sustainable Finance**
  - Areas of Implementations
  - Fields of action
  - Differentiation of the implementation levels
  - Case Study Sustainable Finance Compass
- **Tools for Implementing ESG-risk management**
  - ESG-risk on sector level
  - ESG-risk on loan-level
  - The ESG-Matrix
  - Case Study ESG Risk Radar
- **Workshop tool-creation**

### Reading list

**Compulsory reading:**


- EBA – European Banking Authority (2021): EBA Report on Management and Supervision of ESG Risk for Credit Institutions and Investment Firms. EBA: Paris.
- EBA – European Banking Authority (2020): Action Plan on Sustainable Finance. EBA: Paris.


**Recommended additional reading:**


- European Commission (2018): Action plan: Financing sustainable growth. European Commission: Brussels.
- European Commission (2021): Strategy for financing the transition to a sustainable economy. European Commission: Brussels.
- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., Tvalodze, S., Kharaishvili, M., Pantsulaia, V., & Mukhigulisvili, G. (2022): Climate-related Risk Radar for Georgian economic sectors and its possible application for the financial sector. National Bank of Georgia: Tibilisi.

## MODUL 10C: INTERNATIONAL ESG RISK STUDY

| General information | |
|---|---|
| **Module title** | International ESG Risk Study |
| **Code:** | |
| **Module no. (SPO)** | 10c |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Salome Tvalodze |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lecture with case studies and discussions |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 15 hours<br>Preparation, reading, follow-up: 13 hours<br>Practice and preparation for examination 9,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 10d Sustainable Public Finance) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… define and articulate the key ESG factors and ESG risks relevant to business and investments.
… understand the transmission channels through which ESG factors impact business operations and financial performance.
… define the double materiality concept and its significance in ESG risk management.
… understand the holistic approach to ESG risk management.
… demonstrate an understanding of practical tools and frameworks for ESG risk identification, assessment, and management.
… define the principles of effective governance in the context of ESG risk management.

***2) Using and applying knowledge:***

... apply knowledge to assess the materiality of ESG factors in specific organizational contexts.
… evaluate the potential risks and opportunities linked to ESG factors for informed decision-making.
… develop strategies for implementing a holistic approach to ESG risk management in different organizational settings.
… apply practical methodologies to identify, assess, and mitigate ESG risks.
… develop governance structures for ESG risk management that align with organizational objectives.

***3) Scientific self conception:***

… recognize the interdisciplinary nature of ESG considerations and their integration into business decision-making.
… recognize the interconnectedness of economic, social, and environmental factors in the context of sustainable business practices.
… critically evaluate the effectiveness and limitations of different ESG risk management tools and methodologies.
… recognize the evolving nature of ESG risks and the need for adaptive, evidence-based practices in risk management.
… recognize the importance of evidence-based decision-making and transparency in ESG governance practices.

***4) Personal development, ethical behaviour and professionalism:***

… foster an ethical understanding of the responsibilities associated with managing ESG factors. Cultivate professionalism in acknowledging and addressing ESG factors within a business context.
… exhibit professionalism in communicating the importance of considering both financial and non-financial aspects in organizational strategies.
… uphold ethical standards in the application of ESG risk management tools and contribute to the overall professionalism of the field.
… demonstrate a commitment to promoting transparent and responsible governance practices within organizations and the broader business community.

### Teaching content

- ESG factors, ESG risks and transmission channels
- Double materiality concept and holistic approach to ESG risk management
- ESG risk management in practice
- Governance of ESG risk management

### Reading list

**Compulsory reading:**

- National Bank of Georgia (NBG). (2023), ESG Guidelines through double materiality perspective.
- EBA. (2021), EBA Report on Management and Supervision of ESG Risks for Credit Institutions and Investment Firms.

**Recommended additional reading:**

- FSB. (2022), Supervisory and Regulatory Approaches to Climate-related Risks: Final report
- BCBS. (2021), Climate-related risk drivers and their transmission channels: www.bis.org/bcbs/publ/d517.pdf
- BCBS. (2022) Principles for Effective Management and Supervision of Climate-related Financial Risks: https://www.bis.org/bcbs/publ/d532.pdf
- NGFS. (2020), Guide for Supervisors - Integrating climate-related and environmental risks into prudential supervision.
- CISL. (2021) Handbook for nature-related financial risks: key concepts and a framework for identification
- OECD. (2023), A supervisory framework for assessing nature-related financial risks\
- NBG. (2023), Biodiversity-related Financial Risks –why it matters and how can we measure them? Case study of Georgia
- PCAF (2022). The Global GHG Accounting and Reporting Standard Part A: Financed Emissions. Second Edition: The Global GHG Accounting and Reporting Standard for the Financial Industry (carbonaccountingfinancials.com)
- NBG. (2022), Climate-related Risk Radar for Georgian Economic Sectors and its Possible Application for the Financial Sector
- ECB (2020). Guide on Climate-related and Environmental Risks.

## MODUL 10D: SUSTAINABLE PUBLIC FINANCE

| General information | |
|---|---|
| **Module title** | Sustainable Public Finance |
| **Code:** | |
| **Module no. (SPO)** | 10d |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Dr. Bernd Villhauer |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Lecture with case studies and discussions |
| **CP // SWS** | 1,5 CP // 1 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 11,5 hours<br>Preparation, reading, follow-up: 14,5 hours<br>Practice and preparation for examination 11,5 hours<br>_____<br>Total: 37,5 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Exam/60 (together with Module 10c International ESG Risk Study) |
| **Weighting of grades** | Simple weighting: 1.5 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… understand the relation and interconnectedness between private and public investment.
… know more about the specific instruments in public investment and public finance.
… learn about the creation and stabilization of market for greenbonds and green loans.
… identify the chances and problems of regulations.

***2) Using and applying knowledge:***

... know the characteristics and effects of the European Taxonomy.
… identify the new business opportunities in Sustainable Finance.
… compare the development in Europe, China and the US.
… learn to manage transformation processes in companies and state bodies.

***3) Scientific self conception:***

… evaluate case studies.
… understand the constitution and shaping of markets.
… find a new perspective on finance-based disruptions on a national and international level.

***4) Personal development, ethical behaviour and professionalism:***

… critically reflect the public debate about the role of the state.
… learn about our personal responsibilities as citizens in a German and European context.
… understand the learning process in the world of public and corporate finance.

### Teaching content

- Historical and theoretical introduction in the relation between economic and political transformations
- Examples and Applications of Regulations
- Explanation of the framework of laws and rules
- The perspective of the national state
- The perspective of the national company
- The perspective of the European Community
- The perspective of the Europe-based company
- Comparison between Germany, the EU, China and the US (especially the “Inflation Reduction Act”)
- Case studies from the finance sector and others
- Future conflicts and disruptions

### Reading list

**Compulsory reading:**

- Dirk Schoenmaker / Willem Schramade, Principles of Sustainable Finance, Oxford University Press, Oxford 2022
- Yvonne Zwick / Kristina Jeromin, Mit Sustainable Finance die Transformation dynamisieren, New York / Heidelberg / Wiesbaden 2023
- Simon Smiles, Sustainable Investing in Practice, London, Kogan Page 2023.

**Recommended additional reading:**

- CRIC, Nachhaltige Finanzen, Springer, New York / Heidelberg / Wiesbaden 2020
- Charles B. Blankart, Öffentliche finanzen in der Demokratie, Vahlen, Müchen 2017
- Robert Bopp / Max Weber, Sustainable Finance, Schaeffer Poeschel, Stuttgart 2020
- Andreas Bauer u.a., Die Betroffenheit der deutschen Wirtschaft durch den US-Inflation Reduction Act, ifo, München 2023
- Stefano Pagiola u.a., Generating Public Sector Resources to finance Sustainable Development, World Bank, New York 2002
- Danny Busch / Guido Ferrarini / Seraina Grünewald, Sustainable Finance in Europe, Palgrave MacMillan, London 2021

## MODUL 11: INTERNATIONAL SUMMER SCHOOL

| General information | |
|---|---|
| **Module title** | International Summer School |
| **Code:** | |
| **Module no. (SPO)** | 11 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Gamification / Simulation-based teaching |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 40 hours<br>Preparation, reading, follow-up: 20 hours<br>Practice and preparation for examination 15 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Portfolio |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… perform a comparative analysis of sustainability implementation approaches across different countries and regions.
… examine international case studies highlighting challenges and best practices in sustainability management within the real economy and financial system.
… evaluate cultural, regulatory, and economic factors influencing sustainability initiatives in diverse global contexts.
… explore interdisciplinary perspectives from both academia and industry on addressing sustainability challenges on a global scale.
… critically reflect the complexities and interdependencies of sustainability implementation strategies in an international context.

***2) Using and applying knowledge:***

... collaborate with international partners to analyze real-world sustainability challenges and develop innovative solutions.
… apply theoretical knowledge and practical insights to address sustainability issues within the real economy and financial sector.
… integrate diverse perspectives and approaches to develop comprehensive strategies for sustainability implementation on a global scale.
… present project ideas and recommendations for sustainable practices to international stakeholders.

***3) Scientific self conception:***

… engage with international research partners to explore scientific foundations and methodologies for addressing sustainability challenges.
… apply scientific principles and evidence-based practices to analyze and solve real-world sustainability problems.
… embrace of uncertainty and complexity in sustainability management within a global context, fostering resilience and adaptability.
… contribute to the advancement of knowledge through collaborative research and interdisciplinary exchange with international peers.
… promote scientific integrity and ethical conduct in addressing sustainability challenges across border.

***4) Personal development, ethical behaviour and professionalism:***

… reflect on personal values and ethical considerations in collaborating with international partners on sustainability projects.
… demonstrate professionalism and cultural sensitivity in communication and teamwork within multicultural settings.
… embrace diversity and inclusion as key drivers of innovation and sustainable development in a global context.
… emergence with a wider perspective committed to driving positive change and fostering collaboration for sustainable solutions worldwide .

### Teaching content

**Guest Lectures:**

- Overview of international approaches to sustainability implementation in the real economy and financial system
- Insights from industry experts on challenges and best practices in global sustainability management
- Exploration of interdisciplinary perspectives from academia and industry on addressing sustainability challenges on a global scale

**Student Projects and Presentations:**

- Collaborative analysis of real-world sustainability challenges with international partners
- Development of innovative solutions and strategies for sustainability implementation across different countries and regions
- Integration of diverse perspectives and approaches to develop comprehensive recommendations for sustainable practices
- Presentation of project outcomes and recommendations to international stakeholders, fostering cross-cultural exchange and dialogue.

### Reading list

**Compulsory reading:**

- None

**Recommended additional reading:**

- Peylo, T. (2024): The Green Siblings: Exploring the Emerging Structure of Sustainable Finance. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham

## MODUL 12: COMPANY ASSIGNMENT II

| General information | |
|---|---|
| **Module title** | Company Assignment II |
| **Code:** | |
| **Module no. (SPO)** | 12 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Prof. Dr. Tobias Peylo |
| **Learning format** | Lecture, exercises, block event |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Gamification / Simulation-based teaching |
| **CP // SWS** | 3 CP // 2 SWS |
| **Workload in hours (breakdown)** | Classroom (lecture, exercise, etc) 25 hours<br>Preparation, reading, follow-up: 25 hours<br>Practice and preparation for examination 25 hours<br>_____<br>Total: 75 hours |
| **Language** | English |
| **Semester** | 2 |
| **Repetition / frequency** | Annual, currently summer semester |
| **Participation/ admission requirements** | None |
| **Examination format** | Term Paper + Presentation |
| **Weighting of grades** | Simple weighting: 3 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… analyse practical tasks and problems within real-world companies, identifying strengths, weaknesses, and areas for improvement.
…develop the skills to devise innovative solutions to sustainability-related challenges faced by businesses, incorporating principles of corporate sustainability and sustainable finance.
…gain practical experience in applying sustainability frameworks and tools through project-based learning.
…learn to collaborate effectively with diverse stakeholders, including industry professionals, to implement sustainable strategies that drive positive impact and value creation.
…emerge with a comprehensive understanding of how corporate sustainability and sustainable finance intersect to foster long-term resilience and prosperity.

***2) Using and applying knowledge:***

... apply their understanding of corporate sustainability principles to real-world scenarios, demonstrating practical knowledge in addressing sustainability challenges.
… utilize their skills in sustainable finance to analyse and evaluate the financial implications of sustainable business practices within different industries.
… demonstrate proficiency in using sustainability frameworks and tools to assess ESG performance and make informed recommendations for improvement.
… effectively apply collaborative techniques to engage with stakeholders and implement sustainable strategies that align with organizational goals and values.
… develop the ability to navigate complexities in corporate sustainability and sustainable finance, preparing them for leadership roles in driving positive change.

***3) Scientific self conception:***

… critically evaluate the scientific underpinnings of corporate sustainability and sustainable finance, recognizing the interdisciplinary nature of these fields.
… cultivate a reflective mindset, continuously questioning and refining their understanding of sustainability concepts and their applications in the business context.
… develop the ability to discern reliable sources of information and distinguish between evidence-based practices and greenwashing in corporate sustainability efforts.
… embrace uncertainty and complexity, understanding that solutions to sustainability challenges often require iterative approaches and ongoing learning.
… contribute to the advancement of knowledge in the field of corporate sustainability and sustainable finance, promoting evidence-based decision-making and innovation.

***4) Personal development, ethical behaviour and professionalism:***

… organize and manage themselves in the context of knowledge acquisition and its application.
… reflect on their personal values and beliefs, recognizing the role of ethics in shaping their decisions and actions within the realm of corporate sustainability and sustainable finance.
… cultivate a sense of responsibility towards society and the environment, demonstrating ethical behavior by prioritizing the long-term well-being of stakeholders over short-term gains.
… enhance their professional skills, including communication, project-management and teamwork.
… embrace diversity and inclusion, respecting different perspectives and striving for equitable outcomes in their sustainability initiatives.

### Teaching content

- Application of sustainability frameworks and tools to assess ESG- and sustainability-related tasks and problems
- Collaboration with diverse stakeholders to implement sustainable strategies
- Understanding the intersection of corporate sustainability and sustainable finance for long-term resilience and prosperity
- Application of knowledge in addressing sustainability challenges in various industries
- Evaluation of financial implications of sustainable business practices
- Proficiency in using sustainability frameworks and tools to make informed recommendations
- Utilization of collaborative techniques to engage stakeholders and align strategies with organizational goals
- Critical evaluation of scientific underpinnings of corporate sustainability and sustainable finance
- Cultivation of a reflective mindset and discernment of reliable sources of information
- Embrace of uncertainty and complexity in sustainability solutions
- Contribution to the advancement of knowledge through evidence-based decision-making
- Reflection on personal values and ethics in decision-making
- Demonstration of ethical behavior and professionalism in sustainability initiatives
- Embrace of diversity and inclusion in sustainability efforts
- Integrity and accountability in project-management.

**Reading list**

**Compulsory reading:**

- None

**Recommended additional reading:**

- Schaltegger, S. & Müller, M. (2016) (Edt.): Corporate Social Responsibility: Trend oder Modeerscheinung? Oekom, Munic.
- Schaltegger, S.; Burrit, R. & Petersen, H. (2003): An Introduction to Corporate Environmental Management. Greenleaf, Sheffield.
- Peylo, T. & Nuß, C. (2024): Two Sides of the Same Coin: ESG Risk and Opportunity Management in the Investment and Lending Business. In: Wendt, K. & Villhauer, N. (2024): Sustainable Wealth Management. Springer: Cham
- Peylo, T., & Oster, D. (2019): Sustainability management in savings banks: Practical handbook for the successful implementation and fulfillment of regulatory requirements. Deutscher Sparkassenverlag DSV.

## III. LEHRPLANSEMESTER

### MODUL 13: MASTER-THESIS

| General information | |
|---|---|
| **Module title** | Master-Thesis |
| **Code:** | |
| **Module no. (SPO)** | 13 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Elected supervisor |
| **Learning format** | Thesis |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Self-organization, Mentoring by supervisor |
| **CP // SWS** | 26 CP |
| **Workload in hours (breakdown)** | Meetings with supervisor,literature research,<br>understanding methods, study design,<br>research, writing 650 hours<br>_____<br>Total: 650 hours |
| **Language** | English |
| **Semester** | 3 or above |
| **Repetition / frequency** | Each semester |
| **Participation/ admission requirements** | At least 50 ECTS must have been acquired |
| **Examination format** | Thesis |
| **Weighting of grades** | Simple weighting: 26 from 90 ECTS credit points |

## Course description: learning objectives, teaching content, reading list

### Learning objectives

Upon completing this module, students will be able to…

***1) Knowledge and understanding:***

… work independently on a research project.
… solve a problem - of a practical or theoretical nature - according to scientific methods within a limited anddefined period of time.

***2) Using and applying knowledge:***

... report the state of the art in their particular topic and apply scientific methods.

***3) Scientific self conception:***

… critically evaluate the results and understand limitations.

***4) Personal development, ethical behaviour and professionalism:***

… organize a research project on their own and critically reflect the ethical requirements in science,in particular plagiarism.

### Teaching content

- The Master's thesis must be written on a subject-related topic that is and is supervised by a professor or lecturer who is directly involved in the degree programme.
- the students shall be given the opportunity to make suggestions regarding the topic.

### Reading list

**Compulsory reading:**

- To be discussed with the supervisor

**Recommended additional reading:**

- To be discussed with the supervisor

## MODUL 14: KOLLOQUIUM

| General information | |
|---|---|
| **Module title** | Master-Kolloquium |
| **Code:** | |
| **Module no. (SPO)** | 14 |
| **Module no. (MeinCampus)** | |
| **Module convenor/s** | Elected supervisor |
| **Learning format** | Colloquium |
| **Type of module (compulsory, elective)** | Compulsory |
| **Teaching formats and methods** | Presentation and explaining the results and limitations of the research |
| **CP // SWS** | 4 CP |
| **Workload in hours (breakdown)** | Preparing presentation 100 hours<br>Total: 100 hours |
| **Language** | English |
| **Semester** | 3 or above |
| **Repetition / frequency** | Each semester |
| **Participation/ admission requirements** | At least 50 ECTS must have been acquired |
| **Examination format** | Thesis |
| **Weighting of grades** | Simple weighting: 4 from 90 ECTS credit points |

| Course description: learning objectives, teaching content, reading list |
|---|
| **Learning objectives**<br>Upon completing this module, students will be able to…<br>… defend the master thesis.<br>… explain their scientific approach, demonstrate a deep insight into the state of the art of their particular topic and discuss the limitations and desiderata.<br>… point out the chances of applying their outcomes to business contexts in companies and outline their recommendations. |
| **Teaching content**<br>▪ applying the content of the programmes' modules onto the research project<br>▪ presenting the results in front of the supervisor andstudent colleagues |
| **Reading list**<br>**Compulsory reading:**<br>▪ To be discussed with the supervisor<br>**Recommended additional reading:**<br>▪ To be discussed with the supervisor |