## Modules for Sustainability Economics and Management

### Basis- und Akzentmodule

**wir812 - Environmental Law**

<table>
<thead>
<tr>
<th>Module name</th>
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<tr>
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<tr>
<td>Workload</td>
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**Used in degree programmes**
- Master Sustainability Economics and Management > Basis- und Akzentmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Mantelmodule

**Contact person**
- Module responsibility
  - Christine Godt
- Module counseling
  - Ulrich Meyerholt

**Prerequisites**

**Skills to be acquired in this module**
Building on the existing knowledge of the participants, the course will deepen knowledge of European and international law, whereby emphasis will be laid on those areas in which the dividing line between state intervention (public law) and market rights (private law) has become blurred. Students will be able to analyze contemporary regulatory techniques inherent in the multilevel system of governance and to assess them from an interdisciplinary (economic and legal) perspective.

**Module contents**
The module comprises two courses, one of which will be taught by PD Dr. Meyerholt, and the other together with Prof. Godt. The first course deals with selected issues in environmental law. With the general structure of environmental law as a point of departure, the course content will be taught in a holistic manner that will also incorporate the leading decisions of the higher courts. The second course takes into consideration intra-disciplinary environmental law as situated between public and private economic law, whereby special focus will be laid on the European and international dimensions.

**Recommended reading**

**Links**

**Language of instruction**
German

**Duration (semesters)**
1 semester

**Module frequency**
jährlich

**Module capacity**
unlimited

**Modulelevel**
MM (Mastermodul)

**Modulart**
Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

<table>
<thead>
<tr>
<th>Final exam of module</th>
<th>examination periods</th>
<th>Type of examination</th>
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<td>during term</td>
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<table>
<thead>
<tr>
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<th>SWS</th>
<th>Offer rhythm</th>
<th>Workload attendance</th>
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<tr>
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<tr>
<td>Seminar</td>
<td></td>
<td>2</td>
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<td>28 h</td>
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</table>

**Total attendance time of module**
56 h
wir831 - Corporate Social Responsibility

Module name: Corporate Social Responsibility
Module code: wir831
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Sustainability Economics and Management > Basis- und Akzentmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Führung von Unternehmen und gesellschaftliche Organisationen" (FUGO)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Transnational Economics and Law" (TEL)

Contact person:
- module responsibility
  - Alexander Nicolai
  - Reinhard Pfriem
- authorized examiners
  - Reinhard Pfriem
  - Christian Lautermann
  - Thomas Beschorner
- Module counseling
  - Christian Lautermann
  - Thomas Beschorner

Prerequisites

Skills to be acquired in this module

Module contents

Recommended reading

Links

Language of instruction: German
Duration (semesters): 1 semester

Module frequency

Module capacity: unlimited

Module level: ---

Moduleart: je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program

Vorkenntnisse / Previous knowledge

Examination

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Course type

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<tr>
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Total attendance time of module: 56 h
## wir849 - Advanced Entrepreneurship

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<td>module responsibility</td>
</tr>
<tr>
<td></td>
<td>» Alexander Nicolai</td>
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<td>Authorized examiners</td>
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<td>» Alexander Nicolai</td>
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<tr>
<td>Prerequisites</td>
<td>none</td>
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<tr>
<td>Skills to be acquired in this module</td>
<td>The students will learn the fundamentals of the topic Entrepreneurship, including the challenges of founding enterprises and entrepreneurial action in established companies.</td>
</tr>
<tr>
<td>Module contents</td>
<td>This module deals with the development of business ideas and its realization in business models as well as its perception and evaluation. The content of the lecture further includes issues relating to team-building, resources, and finance, as well as establishing a business plan, the question of the appropriate legal form of an organization, and the specific challenges in the growth stage. Particular aspects will be amplified by guest lecturers from companies.</td>
</tr>
<tr>
<td>Recommended reading</td>
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<tr>
<td>Links</td>
<td><a href="http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/">http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/</a></td>
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<tr>
<td>Module capacity</td>
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<td>Alternatively, in this module the seminar “Eco-Venturing” and “Gründungsmanagement” are offered.</td>
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<td>Pflicht</td>
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<td>Vorkenntnisse / Previous knowledge</td>
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**wir901 - Environmental Economics**

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<td></td>
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<tr>
<td></td>
<td>Master Wirtschafts- und Rechtswissenschaften &gt; Schwerpunkt &quot;Volkswirtschaftslehre&quot; (VWL)</td>
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**Contact person**
- module responsibility
  - Bernd Siebenhüner
  - Klaus Eisenack
- authorized examiners
  - Heinz Welsch
  - Klaus Eisenack
  - Jan Kühling
- Module counseling
  - Heinz Welsch
  - Jan Kühling

**Prerequisites**

**Skills to be acquired in this module**

**Module contents**

**Recommended reading**

**Links**

**Language of instruction** | German |
**Duration (semesters)**    | 1 semester |
**Module frequency**        | --- |
**Module capacity**         | unlimited |
**Modullevel**              | --- |
**Modulart**                | je nach Studiengang Pflicht oder Wahlpflicht |

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**
<table>
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<th>Type of examination</th>
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**Total attendance time of module** | 56 h
## wir902 - International Sustainability Management

**Module name**
International Sustainability Management

**Module code**
wir902

**ECTS credit points**
6.0 KP

**Workload**
180 h

**Used in degree programmes**
- kein Abschluss European Studies in Global Perspectives > Society, Economy and Politics
- Master Sustainability Economics and Management > Basis- und Akzentmodule
- Master Wirtschaftsinformatik > Bereichswahlmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)

**Contact person**
module responsibility
- Bernd Siebenhüner

authorized examiners
- Bernd Siebenhüner

**Prerequisites**
No

**Skills to be acquired in this module**
- Knowledge on the basic concepts and strategies of sustainability management related to corporate practice:
  - Sustainability: Basic concepts, strategies,
  - Domestic and international challenges for business,
  - Business case for sustainable development,
  - Integrative concepts of sustainable corporations,
  - Sustainable strategies,
  - Management instruments
- Discussing topics of international sustainability management with students from different scientific disciplines.
- Ability to present and evaluate different concepts and instruments of international sustainability management

**Module contents**
This module consists of a one lecture and one seminar (2 weekly contact hours per lecture/seminar) dealing with basic concepts and strategies of sustainability management within corporations. Both, lecture and seminar give an overview of current sustainability strategies for companies and present a variety of instruments to integrate and initiate sustainable development within corporations. While the lecture focuses more on theoretical approaches and introduces basic concepts of corporate sustainability management, the seminar provides a variety of case studies and business cases to demonstrate different concepts and instruments of sustainability management. The seminar provides the possibilities for inter- and transdisciplinary exchange and discussions.

**Recommended reading**
- BMU/BDI (Eds.) 2002: Sustainability Management in Business Enterprises. CSM, University of Lueneburg (Schaltegger, Herzig, Kleiber, Müller), http://www2.leuphana.de/umanagement/csm/content/nama/downloads/pdf-dateien/nmu_fs_engl_final.pdf
- Charter, Martin/Tischner, Ursula (Eds.) (2001): Sustainable Solutions, Developing Products and Services for the Future, Sheffield: Greenleaf;

**Links**

**Language of instruction**
English

**Duration (semesters)**
1 semester

**Module frequency**
jährlich

**Module capacity**
unlimited

**Modullevel**
BM (Basismodul)

**Modulart**
Pflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

<table>
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<tr>
<td>Seminar</td>
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## Environmental and Sustainability Policies

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**Contact person**

**Prerequisites**

**Skills to be acquired in this module**

**Module contents**

**Recommended reading**

**Links**

**Languages of instruction**

**Duration (semesters)** 1 semester

**Module frequency**

**Module capacity** unlimited

**Modulelevel** ---

**Modulart** je nach Studiengang Pflicht oder Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

<table>
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wir905 - Environmental Sciences

Module name: Environmental Sciences
Module code: wir905
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Sustainability Economics and Management > Basis- und Akzentmodule

Contact person:
- Module responsibility
  - Bernd Siebenhüner
  - Thomas Klenke
- Authorized examiners
  - Holger Freund
  - Birte Junge
  - Jürgen Köster
  - Thomas Klenke
  - Sven Rohde

Module counseling:
- Holger Freund
- Birte Junge
- Jürgen Köster
- Sven Rohde
- Gast Dozent

Prerequisites:
The Introduction to processes and systems of the dynamic Earth constituting the foundation for sustainable management is presented to produce:
- Knowledge about processes and systems relevant for sustainable management using knowledge and methodologies from all science disciplines in an integrated way.
- Skills in elaborating on complex tasks of environmental management using an interdisciplinary science-based approach and to present related findings to non-expert audiences.
- Lecture room presentations and discussions based on slides and black/white board usage.
Short films will be presented to endorse the intended achievements.

Module contents:
Lecture: Understanding the Bioplanet Earth (2 contact hours/week) (Vorlesung, 2 LVS: Aufbau und Entwicklungsgeschichte der Erde; Dynamik der Erde: Kreisläufe und Evolutionsprozesse; Lebensraum Boden; Wasser; Klima; Biodiversität; Lagerstätten und Ressourcenerschließung; Ökosysteme der Erde.)
Seminar: Cases in Understanding the Bioplanet Earth (2 contact hours/week)

Introduction to key processes and to systems dynamics of the Earth representing a planet being alive driven by external and internal forces interacting with biological activities. Topics of the lecture comprise introductions to the evolution of the universe and solar systems, the differentiation and sub-systems of the Earth’s interior, minerals and rock cycle, soils, ocean and climate, evolution and biodiversity, organisms and physiology, water and element cycling plus insights into ecosystems under different climate conditions. The cases are selected in order to (i) highlight certain principles and theories in geo- and biosciences and (ii) exemplify critical objects and phenomena in modern practice of resource and environmental management.

This module consists of topical programmes of the Master Cluster Environment and Sustainability.

Recommended reading:
A ‘foundation material pool’ will be made available online for students and lecturers providing paper books, reports and media covering the topics of the lecture and the cases.

Links:
- Language of instruction: English
- Duration (semesters): 1 semester
- Module frequency: Jährlich
- Module capacity: Unlimited
- Module level: BM (Basismodul)
- Modulart: Ergänzung/Professionalisierung

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

Examination:
- Examination periods: By the end of the lecture period.
- Type of examination:
  - Presentation/discussion and written report on a case:
    - Scientific quality of presentation (40 %)
    - Clarity of presentation and discussion (20 %)
  - Scientific quality of report (40 %)
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<th>Comment</th>
<th>SWS</th>
<th>Offer rhythm</th>
<th>Workload attendance</th>
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<tr>
<td>Seminar</td>
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<td><strong>56 h</strong></td>
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wir906 - Resource and Energy Economics

Module name: Resource and Energy Economics

Module code: wir906

ECTS credit points: 6.0 KP

Workload: 180 h

Used in degree programmes:
- Master Sustainability Economics and Management > Basis- und Akzentmodule

Contact person:
- module responsibility: Bernd Siebenhüner, Heinz Welsch
- authorized examiners: Heinz Welsch, Christoph Böhringer, Anna Pechan
- Module counseling: Christoph Böhringer

Prerequisites

Skills to be acquired in this module

Module contents

Recommended reading

Links

Language of instruction: English

Duration (semesters): 1 semester

Module frequency

Module capacity: unlimited

Modullevel: ---

Modulart: je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program

Vorkenntnisse / Previous knowledge

Examination

examination periods  Type of examination

Final exam of module

Type of examination

KL

Course type

Comment  SWS  Offer rhythm  Workload attendance

Lecture  4

Seminar

Total attendance time of module 56 h
### wir908 - Strategies, Methods and Instruments of Sustainability Management

<table>
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**Contact person**

**Prerequisites**

**Skills to be acquired in this module**

**Module contents**

**Recommended reading**

**Links**

**Languages of instruction**

<table>
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**Module frequency**

**Module capacity**

**Modullevel**

**Modulart**

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

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**Strategic Sustainability Management**

**Module name**
Strategic Sustainability Management

**Module code**
wir909

**ECTS credit points**
6.0 KP

**Workload**
180 h

**Used in degree programmes**
- Master Sustainability Economics and Management > Basis- und Akzentmodule

**Contact person**

**Prerequisites**

**Skills to be acquired in this module**

**Module contents**

**Recommended reading**

**Links**

**Language of instruction**
German

**Duration (semesters)**
1 semester

**Module frequency**

**Module capacity**
unlimited

**Module level**
AS (Akzentsetzung / Accentuation)

**Module type**
Wahlpflicht / Elective

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

**examination periods**

**Type of examination**

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<td>1 Referat oder</td>
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<td>1 Klausur oder</td>
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<td>1 mündliche Prüfung oder</td>
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**Course type**

**Comment**

**SWS**

**Offer rhythm**

**Workload attendance**

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<th>Offer rhythm</th>
<th>Workload attendance</th>
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<td>SumSem and WinSem</td>
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<td>Seminar</td>
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**Total attendance time of module**

56 h
wir911 - Advanced Topics of Sustainability Economics

Module name: Advanced Topics of Sustainability Economics
Module code: wir911
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- kein Abschluss European Studies in Global Perspectives > Society, Economy and Politics
- Master Sustainability Economics and Management > Basis- und Akzentmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Volkswirtschaftslehre" (VWL)

Contact person:
module responsibility
- Bernd Siebenhüner
- Christoph Böhringer

authorized examiners
- Angelika May
- Christoph Böhringer
- Jan Kühling

Module counseling
- Angelika May
- Jan Kühling

Prerequisites:
none

Skills to be acquired in this module:
This course aims at giving students an understanding of reasons, goals and instruments for climate policy, as well as implied complications due to the long term characteristics and the international dimension of climate change. Students first learn basics about the natural science of climate change and the main statements of climate research about the anthropogenic contribution to climate change. The economic interpretation of high pollution as a symptom of a market failure then leads to the treatment of policy instruments, and the understanding of economic efficiency as a prerequisite for effective climate policy. Game theoretic analysis of international negotiations and agreements provides key insights about the international dimension of the problem. By means of practical examples students then see in detail the functionality and pitfalls of selected implemented (or currently discussed) policies, e.g. the EU-ETS. With successful completion of the course, students shall be able to judge climate policy issues on an informed scientific basis (natural science and economics).

Module contents:
Natural science of climate change: greenhouse effect; measures, causes and impacts of climate change. Economics of climate change: market failures (public goods, externalities); game theory of international agreements (prisoner’s dilemma, chicken game, assurance game, repeated games, continuous choice); environmental policy instruments (especially taxes, tradable permits). Climate policy in practice: EU-ETS (pitfalls: market segmentation, conditional grandfathering, lobbying); emission taxes and the EU-ETS; interaction between black and green quotas; embodied carbon tariffs.

Recommended reading:
Perman et al (2003), Natural resource and Environmental Economics, Pearson, 3rd edition
or

Links:
Languages of instruction: German, English

Duration (semesters): 1 semester
Module frequency: halbjährlich
Module capacity: unlimited
Modulelevel: AS (Akzentsetzung)
Modulart: Pflicht

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

Examination:

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<th>Comment</th>
<th>SWS</th>
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<tr>
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Total attendance time of module: 56 h
### wir913 - Practical Project in Sustainability Economics and Management

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<tr>
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<td>module responsibility</td>
</tr>
<tr>
<td></td>
<td>• Bernd Siebenhüner</td>
</tr>
<tr>
<td></td>
<td>authorized examiners</td>
</tr>
<tr>
<td></td>
<td>• Bernd Siebenhüner</td>
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#### Prerequisites

Skills to be acquired in this module

Module contents

Recommended reading

Links

<table>
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<th>English</th>
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#### Module frequency

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<td>Type of program</td>
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#### Examination

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<tr>
<td>Final exam of module</td>
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**Ergänzungsmodule**

**inf500 - Modelling and Simulation of Ecological Systems**

<table>
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<th>Module name</th>
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<tr>
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<td><strong>Used in degree programmes</strong></td>
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<tr>
<td></td>
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<td><strong>Contact person</strong></td>
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</tr>
<tr>
<td>module responsibility</td>
<td>Michael Sonnenschein</td>
</tr>
<tr>
<td></td>
<td>Ute Vogel</td>
</tr>
<tr>
<td>Module counseling</td>
<td>Die im Modul Lehrenden</td>
</tr>
</tbody>
</table>

**Prerequisites**

**Skills to be acquired in this module**

Professional competence

The students:

- name general discrete and continuous modeling methods and space-based model designs
- explain elementary concepts of ecological systems
- characterise typical qualities as well as advantages and disadvantages of different modelling methods for ecological systems and evaluate them
- appropriately apply modelling concepts for ecological systems
- Describe basic simulation methods, in particular for discrete models, and put them into practice

Methodological competence

The students:

- use basicsimulation methods for discrete models
- systematically learn about new simulation tools in a short time
- implement simple ecological models

Social competence

The students:

- Solve tasks in teams of 2-3 students

Self-competence

The students:

- Reflect their actions considering simulation methods

**Module contents**

Methods of modelling and simulation enable a detailed understanding of interdependencies in dynamic systems. In the field of ecology there are numerous methodical approaches, for example cause-effect graphs, differential equations, Markov models, L-Systems, cellular automata or individual-oriented models. These approaches are exemplary introduced by the lecture and are illustrated by exemplary core concepts of ecological systems. These modelling methods are accompanied by simulation procedures.

Software tools were and are being developed for the use of such methods. Those tools are exemplarily discussed regarding their construction and functionality. Tools for mathematical model simulations as well as individual-oriented simulations are introduced and are used in exercises.

The interpretation of simulation results leads to model validation and to a discussion on the forecast quality of models.

The module "inf500 Modellbildung in Simulation ökologischer Systeme" is accompanied by the module "inf501 Environmental Information Systems", which focuses on persistent storage of spatial information as well as concepts of data analysis. Nevertheless, the modules can be taken independently from each other.

**Recommended reading**

essential: Lecture notes (are available in the lecture)

Secondary literature:

<table>
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<tr>
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<tbody>
<tr>
<td>Language of instruction</td>
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<td>Duration (semesters)</td>
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<td>Modullevel</td>
<td>AS (Akzentsetzung)</td>
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<tr>
<td>Modulart</td>
<td>Wahlpflicht</td>
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<td>Examination</td>
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<tr>
<td>Previous knowledge</td>
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<td>Final exam of module</td>
<td>examination periods</td>
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<td>oral exam</td>
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<th>Offer rhythm</th>
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<td>Exercises</td>
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<td>14  h</td>
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| Total attendance time of module | 56 h |
inf651 - Environmental Management Information Systems I

Module name: Environmental Management Information Systems I
Module code: inf651
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Informatik > Mastermodule
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschaftsinformatik > Akzentsetzungsmodule Bereich Wirtschaftsinformatik

Contact person:
- module responsibility
  - Jorge Marx Gomez
- authorized examiners
  - Die im Modul Lehrenden
- Module counseling
  - Die im Modul Lehrenden

Prerequisites:

Skills to be acquired in this module:

This module completes the knowledge and abilities gained in the field of Environmental Informatics and it creates a strong reference to up to date topics in the field of sustainability. The content taught in this module can directly be applied in an upcoming study and professional career.

Professional competence
The students:
- are able to classify and explain the sustainability paradigm.
- are aware of the current status of sustainability reporting.
- are able to define and to model material flows.
- have obtained know-how in the field of corporate environmental management information systems (CEMIS).

Methodological competence
The students:
- implement CEMIS.
- apply different techniques and methods to case studies.
- develop new case studies in teams.

Social competence
The students:
- are supposed to work in teams and therefore have to identify working packages and have to take on responsibility for the jobs assigned to them.
- present and discuss their own results with the team and the other members of the course.

Self-competence
The students:
- learn about their own limitations and learn to accept criticism in order to strengthen their own abilities.

Module contents:
This course teaches methods, approaches and techniques in the field of information processing in order to support solutions to problems that arise from companies' impact on the environment. In particular, ICT supported approaches of production-integrated environmental protection, environmental controlling and reporting are introduced and discussed. In order to enable the integration of such approaches into environmental protection, environmental management and its systems are taught as well.

The content in detail:
- environmental management as a basis for sustainability
• sustainability and material flow management
• strategic environmental management
• eco-controlling life cycle
• characteristics and system architectures of CEMIS
• standard software systems
• environmental accounting systems

Recommended reading

Links
http://www.wi-ol.de

Language of instruction
German

Duration (semesters)
1 semester

Module frequency
jährlich

Module capacity
unlimited

Modullevel
AS (Akzentsetzung)

Modulart
Wahlpflicht

Lern-/Lehrform / Type of program
V and Ü

Vorkenntnisse / Previous knowledge

Examination
examination periods
Type of examination

Final exam of module
At the end of the lecture period
exercises and written exam (max. 120 min. )

Course type
Comment
SWS
Offer rhythm
Workload attendance

Lecture
2
28 h

Exercises
2
28 h

Total attendance time of module
56 h
inf659 - Environmental Management Information Systems II

Module name: Environmental Management Information Systems II
Module code: inf659
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Informatik > Mastermodule
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschaftsinformatik > Akzentsetzungsmodule Bereich Wirtschaftsinformatik

Contact person:
- Module responsibility
  - Jorge Marx Gomez
- Authorized examiners
  - Jorge Marx Gomez
- Module counseling
  - Die im Modul Lehrenden

Prerequisites:

Skills to be acquired in this module:
This course aims at examining emerging research questions in the field of corporate environmental management information systems (CEMIS). After finishing this course, the students will have extensive knowledge regarding Business Environmental Informatics. In addition, they will be aware of recent research topics and challenges as well as relevant software solutions and practical projects.

Professional competence
The students:
- will obtain extensive knowledge in the field of CEMIS.
- know emerging research questions and challenges as well as software solutions and projects.

Methodological competence
The students:
- find their own solutions or apply already existing approaches to new and unsolved questions in the field of CEMIS.
- capture required data, analyse it and present it to their team or the whole group.

Social competence
The students:
- are supposed to work in teams and therefore have to identify working packages and have to take on responsibility for the jobs assigned to them.
- present and discuss their own results with the team and the other members of the course.

Self-competence
The students:
- learn about their own limitations and learn to accept criticism in order to strengthen their own abilities.

Module contents:
A strong social pressure forces enterprises to question their current way of implementing their business and to include different aspects of sustainability into their strategies and operational actions. Such a rethinking of one's business is supported by corporate environmental management information systems. Such systems aim at optimising the energy and resource usage, emission and waste minimisation as well as production integrated environmental protection. Of course they support the fulfillment of legal requirements such as waste management or hazardous material handling.

The module will cover:
- recent and emerging research questions and topics related to the field of CEMIS as well as Business Environmental Informatics.
- discussion and hands-on experience of standard software systems and newly established solutions.
- applying the knowledge obtained to the definition of new as well as on solving new case studies.

Recommended reading

Hershey (PA), London

• Rautenstrauch, C. (1999), Betriebliche Umweltinformationssysteme, Springer-Verlag

Links
http://www.wi-ol.de

Languages of instruction
German, English

Duration (semesters)
1 semester

Module frequency
jährlich

Module capacity
unlimited

Information
Type and language of program will be announced prior to the beginning of the course.

Module level
AS (Akzentsetzung)

Modulart
je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program
V (2 SWS), Ü (2 SWS) or SE announced at the beginning of the lecture period (2SWS V + 2 SWS Ü oder block seminar)

Vorkenntnisse / Previous knowledge

Final exam of module
usually 2 weeks after the end of the lecture period

Type of examination
seminar paper and presentation or term paper

Course type
Lecture
Exercises

Comment
2
2

SWS
Offer rhythm
28 h
28 h

Workload attendance
Total attendance time of module
56 h
# lök130 - Environmental Planning

<table>
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<tr>
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<tr>
<td></td>
<td>Master Landschaftökologie &gt; Basismodule</td>
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<td>Master Sustainability Economics and Management &gt; Ergänzungsmodul</td>
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<tr>
<td>Contact person</td>
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<td></td>
<td>module responsibility</td>
</tr>
<tr>
<td></td>
<td>» Michael Kleyer</td>
</tr>
<tr>
<td></td>
<td>authorized examiners</td>
</tr>
<tr>
<td></td>
<td>» Alle hier genannten</td>
</tr>
<tr>
<td></td>
<td>Module counseling</td>
</tr>
<tr>
<td></td>
<td>» Luise Dorothee Giani</td>
</tr>
<tr>
<td></td>
<td>» Ingo Mose</td>
</tr>
<tr>
<td></td>
<td>» Peter Schaal</td>
</tr>
<tr>
<td></td>
<td>» Sarah Witte</td>
</tr>
<tr>
<td>Prerequisites</td>
<td>Basic knowledge of environmental planning. Students who have not gained such basic knowledge during the Bachelor course please contact the persons responsible for the module in order to evaluate possibilities for catching up relevant knowledge.</td>
</tr>
<tr>
<td>Skills to be acquired in this module</td>
<td>The students will</td>
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<tr>
<td></td>
<td>• gain advanced knowledge into the formal and informal organization of spatial developmental processes in a combination of disciplinary and interdisciplinary concepts;</td>
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<td></td>
<td>• get to know the system of privileged planning combined with cross-section planning as well as investigate and assess possible deductions for concrete decision making;</td>
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<td></td>
<td>• elaborate case studies and typical planning problems in seminar papers and develop their own positions regarding the instruments;</td>
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<tr>
<td></td>
<td>• get to know assessment methods for all important ecosystem compartments and gain the skills to deduce ecosystem services from ecosystem functions.</td>
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<tr>
<td>Ranking and position of the module within the course of studies:</td>
<td>The module offers fundamental and advanced knowledge in the first semester on the basis of which planning exercises can be performed during the Master courses</td>
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<tr>
<td>Module contents</td>
<td>a) Development of models and assessment of ecosystem functions for environmental planning:</td>
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<tr>
<td></td>
<td>Presentation of theoretical concepts and practicable methods applied to assess ecosystem functions</td>
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<tr>
<td></td>
<td>b) Actor-oriented planning instruments:</td>
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<tr>
<td></td>
<td>Presentation of aims, forms and mechanisms of formal and informal instruments of area and environmental planning considering participative forms of the actor in different frameworks</td>
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<td></td>
<td>c) Special planning:</td>
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<td></td>
<td>Presentation of legal grounds, organization, instruments and practical methods of planning institutions including negative or positive impacts on the environmental quality for humans and nature. Possibilities of influencing the planning results from the point of view of precautionary environmental protection</td>
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<tr>
<td></td>
<td>d) Conservation and Evaluation of Soils:</td>
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<tr>
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<td>Presentation of legal grounds, practical methods and opportunities for soil protection and soil evaluation in regional and environmental planning.</td>
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<td>Additional literature will be announced during the lectures.</td>
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<td>Links</td>
<td><a href="https://www.uni-oldenburg.de/en/landeco/">https://www.uni-oldenburg.de/en/landeco/</a></td>
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<td>Wahlpflicht</td>
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<td>Before the end of the module</td>
<td>Seminar paper</td>
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**Module name**: Practice of Nature Conservation  
**Module code**: lök210  
**ECTS credit points**: 6.0 KP  
**Workload**: 180 h  
**Used in degree programmes**:  
- Master Landschaftsökologie > Vertiefungsmodule zweites Fachsemester  
- Master Sustainability Economics and Management > Ergänzungsmodule

**Contact person**  
- module responsibility  
  - Rainer Buchwald  
  - Ingo Mose  
- authorized examiners  
  - Alle hier genannten

**Prerequisites**: Completed ecology-oriented Bachelor course

**Skills to be acquired in this module**: With the successful completion of the module the students will gain a general and advanced knowledge of crucial approaches and instruments of nature conservation in Germany and Europe, especially of the implementation of large protected areas (NSG, biosphere reserve, national park etc.), of maintenance/management projects and measures as well as of approaches to their integration into nature conservation and regional development strategies (via agriculture, tourism etc.) in co-operation with national park administrative authorities and other relevant actors. Additionally, the module gives basic skills in developing ecological connectivity systems (example dragonflies) as well as in developing and implementing approaches to ecological planning inside and outside the nature reserves.

**Ranking/position of the module within the course of studies**: The module focuses on problems, methods, results, and analyses relevant to nature conservation and refers to corresponding issues of modules in Bachelor courses as well as of basic modules in Master courses of Landscape Ecology.

**Module contents**  
- a) Seminar "Protected areas and regional development": Survey of the most important types of large protected areas in Europe as well as current concepts of integrating the purposes of conservation with the tasks of regional development especially in peripheral rural areas  
- b) Seminar "Practice of ecological planning": Presentation of relevant instruments used in spatial and regional planning aiming at the particular demands of ecological planning; closer inspection based on appropriate practical examples **this seminar takes place in the winter term**  
- c) Field course "Habitat connectivity": Theory of ecological connectivity including causes and impacts of fragmentation and isolation in nature-near biotopes; investigation of migration and dispersal behaviour in selected dragonfly species of ditch systems  
- d) Excursion "Protected areas": Presentation of a selected large protected area in Germany or Europe especially considering geographical, floristic, faunistic, historical, agricultural, and nature conservation aspects as well as aspects of landscape and economics

**Recommended reading**  

**Links**

**Languages of instruction**: German, English

**Duration (semesters)**: 1 semester

**Module frequency**: jährlich

**Module capacity**: unlimited

**Modulelevel**: MM (Mastermodul)

**Modulart**: Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

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<th>Type of examination</th>
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<td>6 CP – Paper (in the course of a seminar) or excursion report or assignment</td>
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**Course type**

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<th>Comment</th>
<th>SWS</th>
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<td>Exercises</td>
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<tr>
<td>Seminar</td>
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<td>2</td>
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<td>Study trip</td>
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<td></td>
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<td><strong>98 h</strong></td>
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</table>
### Module Contents

**Multifunctionality and rural development**
Survey of the multifunctionality of rural areas, especially the importance of agriculture and forestry, tourism and recreational activities, habitation, and protection of nature as well as the demands on spatial planning and regional development involved under the conditions of sustainability. Illustration by means of selected examples in a European context.

**Agriculture and agricultural policy**
Survey of EU agricultural policy programmes and their strategic-instrumental implementation as well as of selected topics of current developments in agriculture presented by various guest lecturers.

**Sustainable tourism**
Presentation of various concepts of sustainable tourism and its realization from the viewpoint of offer and demand. Illustration by means of selected examples in a European context.

**Renewable energy planning**
Survey of different forms of renewable energy and related demands on spatial development seen from a mainly planning and actor-orientated point of view. Illustration by means of selected examples in a European context.

**Colloquium on sustainable spatial development**
Survey of up-to-date theoretical approaches, concepts, instruments as well as practical fields of activities in sustainable spatial development in a national and European context.

**Special subject job market: Job market and inequality**
This course (1.07.211 / FK I) takes place in the summer semester. Three one-day excursions with varying emphasis will be performed in the vicinity of Oldenburg as an integral part of the module seminars.

### Recommended Reading


Schmied, D. (ed.): Winning and losing. The changing geography of Europe’s rural areas. Additional literature will be announced in the seminars.

### Links

https://www.uni-oldenburg.de/en/geo/

### Languages of Instruction

German, English

### Duration (semesters)

1 semester

### Module frequency

jährlich

### Module capacity

unlimited

### Modullevel

MM (Mastermodul)

### Modularart

Wahlpflicht
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<thead>
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<th>Lern-/Lehrform / Type of program</th>
<th>Vorkenntnisse / Previous knowledge</th>
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<td>Type of examination</td>
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<td>Before the end of the module</td>
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<table>
<thead>
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<th>Comment</th>
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<th>Offer rhythm</th>
<th>Workload attendance</th>
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| Total attendance time of module | 140 h |
**lök998 - Umweltplanung**

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<tr>
<td>Module contents</td>
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<td>Modullevel</td>
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<td>je nach Studiengang Pflicht oder Wahlpflicht</td>
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### wir808 - Multivariate Statistics

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**Used in degree programmes**
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Mantelmodule
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Volkswirtschaftslehre" (VWL)

**Contact person**
- module responsibility
  - Bernd Siebenhüner
  - Ralf Werner Stecking
- authorized examiners
  - Ralf Werner Stecking
  - Anelise Rahmeier Seyffarth
- Module counseling
  - Anelise Rahmeier Seyffarth

**Prerequisites**
With successful completion of the course, students shall:
- be aware of and be able to evaluate advanced methods of multivariate data analysis.
- be able to select adequate methods in relevant fields of application, like prediction, classification, and segmentation analysis.
- be able to run computer-aided analyses and to interpret the results properly.

**Module contents**
Various methods of quantitative data analysis such as:
- Linear Regression,
- Logistic Regression,
- Linear Discriminant Analysis,
- Principal Component Analysis,
- Feature selection and evaluation methods.

**Recommended reading**

**Links**
- Language of instruction: German
- Duration (semesters): 1 semester
- Module frequency: jährlich
- Module capacity: unlimited
- Modulelevel: MM-PB (Professionalisierungsbereichsmodul im Master)
- Modulart: Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

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**Course type**

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**Total attendance time of module**
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**wir809 - Econometrics**

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**Used in degree programmes**
- Fach-Bachelor Nachhaltigkeitsökonomik > Aufbaumodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Mantelmodule

**Contact person**

- **module responsibility**
  - Jürgen Bitzer

- **authorized examiners**
  - Jürgen Bitzer
  - Ralf Werner Stecking
  - Erkan Gören

- **Module counseling**
  - Ralf Werner Stecking
  - Erkan Gören

**Prerequisites**

**Skills to be acquired in this module**
The students are able to:
- apply the basic econometric methods,
- follow, evaluate and interpret basic empirical studies,
- apply basic econometric methods in empirical studies,
- use the econometric software STATA.

**Module contents**
The module consists of a lecture and an exercise. In the module the basic statistical principles are recapitulated, deepens the knowledge of the multiple regression and introduce the students to the advanced topics of panel econometrics, binary dependent variables, instrumental variable estimation and time series econometrics.

**Recommended reading**

**Links**

**Language of instruction**
German

**Duration (semesters)**
1 semester

**Module frequency**
jährlich

**Module capacity**
unlimited

**Modullevel**
AC (Aufbaucurriculum)

**Modulart**
Pflicht

**Vorkenntnisse / Previous knowledge**

**Examination**

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**Total attendance time of module**
56 h
## wir821 - International Trade, Production and Change

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**Used in degree programmes**
- kein Abschluss European Studies in Global Perspectives > Society, Economy and Politics
- Master Sustainability Economics and Management > Ergänzungsmodul
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "China - Wirtschaft und Sprache" (CHI)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Transnational Economics and Law" (TEL)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Volkswirtschaftslehre" (VWL)

**Contact person**
- module responsibility
  - Alexander Nicolai
  - Hans-Michael Trautwein
- authorized examiners
  - Klaus Eisenack
  - Dennis Drews
  - Jürgen Bitzer
  - Dirk Ehnts
  - Hans-Michael Trautwein
- Module counseling
  - Klaus Eisenack
  - Dennis Drews
  - Jürgen Bitzer
  - Dirk Ehnts

**Prerequisites**
- Understanding of trade relations, international factor movements and corresponding balance-of-payments mechanisms.
- Capability to discuss structural change in global trade and productions in terms of formal models and case studies.
- Understanding of the causes and alternative strategies of economic integration in regional blocs.
- Understanding of the causes and alternative strategies of economic transformation in emerging markets.
- Ability to research data and evaluate the literature on specific aspects of international trade, production and structural change.

**Module contents**
The lectures and seminar papers address issues in the following subfields:

- international trade,
- international trade policies and regimes,
- geographical economics,
- foreign direct investment,
- labour migration,
- fragmentation of production,
- regulations of international trade and factor movements,
- development strategies,
- regional integration.

**Recommended reading**
Weitere themenspezifische Literaturhinweise werden in den Veranstaltungen gegeben.

**Links**
**Language of instruction** English
**Duration (semesters)** 1 semester
**Module frequency** jährlich
**Module capacity** unlimited
Information

- Das Seminar wird in der Form eines Blockseminars abgehalten.
- Es gibt eine Vorbesprechung Anfang des Semesters, in der die Themen vergeben werden.

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<th>SPM (Schwerpunktmodul)</th>
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<th>Type of examination</th>
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<td>seminar paper and presentation</td>
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Total attendance time of module: 56 h
wir826 - Sectoral, Functional and Institutional Approaches to Marketing

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<td>Workload</td>
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**Used in degree programmes**
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt “Führung von Unternehmen und gesellschaftliche Organisationen” (FUGO)

**Contact person**
- module responsibility
  - Thorsten Raabe
- authorized examiners
  - Sören Sundermann

**Prerequisites**

**Skills to be acquired in this module**
Upon completion of the module, students will be able to:
- apply specific concepts and methods of marketing to real-world problems and reflect upon their limitations
- develop their own conceptual sketches within teams and present them

**Module contents**
Marketing initially started as a producer-oriented concept and in recent years has developed as universal approach to influence market transactions. Against this background institutional, functional and sectoral fields of application inspired the formulation of sophisticated marketing approaches, like e.g. marketing of non-profit organisations, strategic marketing, or service marketing. The course presents the specific nature of the different fields of application and relevant consequences for marketing planning. Given the recent inflation of “hyphenated conceptions” of marketing, a reasoned diagnosis as to marketing’s core identity is put forth. To this end, perspectives of transfer and integration between the approaches will be developed, that measure up to state-of-the-art theoretical as well as practical demands towards marketing as a universal market-oriented way of managing businesses. This course is divided into a preparatory seminar and an educational workshop towards the end of the term. The latter unit allows case study and role play as well as the presentation student work and boosts social competences irrespective of subject matter.

**Recommended reading**

**Links**
- Language of instruction: German
- Duration (semesters): 1 semester
- Module frequency: jährlich
- Module capacity: unlimited
- Information: The module consists of a preparatory period (approximately 4 sessions on campus) as well as one educational workshop outside of Oldenburg
- Modulelevel: SPM (Schwerpunktmodul)
- Modulart: Wahlpflicht

**Vorkenntnisse / Previous knowledge**

**Examination**
- examination periods: during term
- Type of examination: written examination; voluntary contributions that improve grades may undertaken as 'portfolio-presentations' during tutorials, oral examinations

**Course type**
- Lecture
  - Comment: 2
  - SWS: 28 h
- Tutorial
  - Comment: 2
  - SWS: 28 h
- Seminar
  - Comment: 0 h
- Total attendance time of module: 56 h
wir829 - Development directions in Marketing Research

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<td></td>
<td>• Thorsten Raabe</td>
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<td>authorized examiners</td>
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<td>• Sören Sundermann</td>
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<td>Prerequisites</td>
<td>Successful completion of the entrance examination</td>
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<td>Skills to be acquired in this module</td>
<td>Upon completion of the module, students will be able to:</td>
</tr>
<tr>
<td></td>
<td>• apply specific competences to strategic research in marketing</td>
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<tr>
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<td>• classify research strategies in marketing according to their meta-theoretical considerations</td>
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<tr>
<td></td>
<td>• estimate research strategies’ claims to knowledge and their limitations</td>
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<tr>
<td></td>
<td>• formulate interdisciplinary research strategies aligning competences of empirical methods with the application of theory</td>
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<td>• develop own conceptual sketches within teams and to present them</td>
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<tr>
<td>Module contents</td>
<td>How is knowledge generated within the scholarly discipline of marketing? This question confronts the field of marketing with central paradigmatic assumptions. The course begins to solve this puzzle on the basis of a historical analysis of the marketing concept's development. Different scientific standpoints in marketing theory and empirical investigation are evaluated against the light of recent developments in markets and society. The current paradigms of consumption research and marketing research's basic standing in the philosophy of science are intensely treated. This also entails reflecting on the opportunities that alternative trends, e.g. a humanistic paradigm, hold in store for marketing research. The course is divided into a preparatory seminar and an educational workshop towards the end of the term. The latter unit allows case study and role play as well as the presentation student work and boosts social competences irrespective of subject matter.</td>
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<td>Links</td>
<td><a href="http://www.uni-oldenburg.de/marketing">www.uni-oldenburg.de/marketing</a></td>
</tr>
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**Total attendance time of module**: 56 h
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<td><strong>Module contents</strong></td>
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Module name: Financial Statement Analysis

Module code: wir839

ECTS credit points: 6.0 KP

Workload: 180 h

Used in degree programmes:
- Master of Education (Wirtschaftspädagogik) Wirtschaftswissenschaften > Mastermodule
- Master Sustainability Economics and Management > Ergänzungsmodul
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Auditing, Finance, Taxation" (AFT)

Contact person:
- module responsibility
  - Alexander Nicolai
  - Kerstin Lopatta

Prerequisites:
- none

Skills to be acquired in this module:
- By the end of the course students should have answers to the following questions:
  - How are fundamental values (or "intrinsic values") estimated?
  - How are business strategies analyzed in order to understand the value they create?
  - What business activities determine value?
  - How is "value created for shareholders" identified?
  - How does ratio analysis help in valuation?
  - How does profitability tie into valuation?
  - What is growth? How does one analyze growth? How does one value a growth firm?
  - How does one analyze the quality of financial reports?
  - How does one deal with the accounting methods used in financial statements?
  - How is financial analysis developed for strategy and planning?
  - What determines a firm’s market-to-book (P/B) ratio? How does one calculate what the P/B should be?
  - How does one evaluate risk? For equity? For debt?
  - How does one evaluate an equity research report?
  - How does one trade on fundamental information?

Module contents:
- With a stock market bubble and a financial crisis in our recent history, there have been increasing calls to "return to fundamentals." This is a course on fundamental analysis. The primary emphasis is on equity (share) valuation, with a focus on developing and applying methods for valuing firms using financial statement analysis.

The course has a very practical focus. The methods of fundamental analysis will be examined in detail and applied in cases and projects involving listed companies. Topics include models of shareholder value, a comparison of accrual accounting and discounted cash flow approaches to valuation, the analysis of profitability, growth and valuation generation in a firm, diagnosing accounting quality, forecasting earnings and cash flows, pro-forma analysis for strategy and planning, and the determination of price/earnings (P/E) and market-to-book (P/B) ratios.

The course does not assume "market efficiency". Rather, it develops the techniques for challenging traded prices in order to assess whether investments are appropriately priced. It adopts the philosophy that one of the risks in investing is the risk of paying too much. The course is one for the active investor.

Most importantly, we learn how to handle accounting and financial reports in valuation. We see that valuation is really a matter of appropriate accounting for value. The course combines accounting principles and investment principles to answer the question: How do I account for value so that I can challenge stock prices with some confidence?

The course will be taught from the perspective of designing techniques to be used in an (independent) equity research department or firm. Accordingly, the material is pertinent to the security analyst – particularly the equity analyst – who must issue a buy, hold or sell recommendations on stocks. However, much of the material covered in the course is also relevant to the corporate financial analyst for evaluating acquisitions, restructurings and other investments, and for calculating the value generated by strategic scenarios. By the end of the course, the student should feel competent in writing a thorough, credible equity research report or investment analysis that meets the highest standards of professionalism.

The course is of interest to those contemplating careers in investment banking (particularly in equity research), security analysis, consulting, public accounting, and corporate finance. And it will also help with personal investing.

Recommended reading:

Links:
- http://www.uni-oldenburg.de/accounting

Language of instruction:
- English

Duration (semesters):
- 1 semester
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<tr>
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<td>Modullevel</td>
<td>SPM (Schwerpunktmotul)</td>
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<td>Modulart</td>
<td>Pflicht/Wahlpflicht *</td>
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### Lern-Lehrform / Type of program

### Vorkenntnisse / Previous knowledge

### Examination

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### Course type

<table>
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<th>Offer rhythm</th>
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<tr>
<td>Exercises</td>
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**Total attendance time of module**: 56 h
**wir849 - Advanced Entrepreneurship**

**Module name**
Advanced Entrepreneurship

**Module code**
wir849

**ECTS credit points**
6.0 KP

**Workload**
180 h

**Used in degree programmes**
- Master Sustainability Economics and Management > Basis- und Akzentmodule
- Master Sustainability Economics and Management > Ergänzungsmodul
- Master Wirtschaftsinformatik > Module der Wirtschafts- und Rechtswissenschaften (Master)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Management, Entrepreneurship, Controlling" (ManECo)

**Contact person**
module responsibility

- Alexander Nicolai

authorized examiners
- Alexander Nicolai

**Prerequisites**
none

**Skills to be acquired in this module**
The students will learn the fundamentals of the topic Entrepreneurship, including the challenges of founding enterprises and entrepreneurial action in established companies.

**Module contents**
This module deals with the development of business ideas and its realization in business models as well as its perception and evaluation. The content of the lecture further includes issues relating to team-building, resources, and finance, as well as establishing a business plan, the question of the appropriate legal form of an organization, and the specific challenges in the growth stage. Particular aspects will be amplified by guest lecturers from companies.

**Recommended reading**
http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/

**Language of instruction**
German

**Duration (semesters)**
1 semester

**Module frequency**
jährlich

**Module capacity**
unlimited

**Information**
Alternatively, in this module the seminar "Eco-Venturing" and "Gründungsmanagement" are offered.

**Module level**
SPM (Schwerpunktmodul)

**Modulart**
Pflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

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**Course type**

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**Total attendance time of module**
56 h
**wir863 - Business and Legal Chinese I**

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<td><strong>Workload</strong></td>
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| **Used in degree programmes** | Master Sustainability Economics and Management > Ergänzungsmodule  
  Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) |

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<tr>
<th><strong>Contact person</strong></th>
<th>module responsibility</th>
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<tr>
<td></td>
<td>Alexander Nicolai</td>
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<tr>
<td></td>
<td>Hans-Michael Trautwein</td>
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<table>
<thead>
<tr>
<th><strong>Prerequisites</strong></th>
<th><strong>Skills to be acquired in this module</strong></th>
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<tbody>
<tr>
<td></td>
<td>At the end of the course, successful students:</td>
</tr>
<tr>
<td></td>
<td>• communicate in everyday life and work environments,</td>
</tr>
<tr>
<td></td>
<td>• recognize and understand 200 characters and words,</td>
</tr>
<tr>
<td></td>
<td>• understand frequently used expressions,</td>
</tr>
<tr>
<td></td>
<td>• understand simple meanings in familiar contexts, clear instructions, standard questions and informations when pronounced slowly and clearly,</td>
</tr>
<tr>
<td></td>
<td>• pose and answer questions in familiar contexts,</td>
</tr>
<tr>
<td></td>
<td>• provide personal information in spoken and written form,</td>
</tr>
<tr>
<td></td>
<td>• write about themselves in simple meanings.</td>
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</table>

| **Module contents** | Thematic vocabulary concerning personal information, basics of everyday life, shopping, simple standard transactions etc.  
  Reading: simple dialogues and texts from everyday life  
  Listening: short and simple dialogues from everyday life  
  Speaking: short dialogues in everyday life situations  
  Writing: short texts on personal information, questionnaires and forms  
  Self-learning: work with the portfolio, individual training |


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<thead>
<tr>
<th><strong>Links</strong></th>
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<td>Wahlpflicht</td>
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<th><strong>Vorkenntnisse / Previous knowledge</strong></th>
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<tr>
<td>ECTS credit points</td>
<td>6.0 KP</td>
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<td>Workload</td>
<td>180 h</td>
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<tr>
<td>Used in degree programmes</td>
<td></td>
</tr>
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<td></td>
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<td>Master Wirtschafts- und Rechtswissenschaften &gt; Schwerpunkt &quot;Volkswirtschaftslehre&quot; (VWL)</td>
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<td></td>
<td>- Alexander Nicolai</td>
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<td></td>
<td>- Carsten Helm</td>
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<tr>
<td>authorized examiners</td>
<td>- Carsten Helm</td>
</tr>
<tr>
<td></td>
<td>- Mathias Mier</td>
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<td>Mathias Mier</td>
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<tr>
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</tr>
<tr>
<td>Skills to be acquired in this module</td>
<td>The students are able</td>
</tr>
<tr>
<td></td>
<td>- to understand sources of market failures and government failures</td>
</tr>
<tr>
<td></td>
<td>- understand taxing and spending activities of governments</td>
</tr>
<tr>
<td></td>
<td>- understand the distinction between normative and positive perspectives in the evaluation of government policy</td>
</tr>
<tr>
<td></td>
<td>- to apply economic methods to current issues in public economics</td>
</tr>
<tr>
<td></td>
<td>- present their research result in the form of written papers and oral presentations</td>
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</tbody>
</table>

**Module contents**

- The course covers key concepts of public economics, which studies how government taxing and spending activities affect the economy – economic efficiency and the distribution of income and wealth.

*Lecture:* After introducing the theory and methodology of public economics, we discuss a historical and theoretical overview of the public sector. We then focus on departures from efficiency (especially asymmetric information), taxation issues (including tax evasion, fiscal federalism and tax competition among independent jurisdictions), and the intertemporal issue of social security (especially pension system).

*Seminar:* covers current issues in public economics, e.g. reform of health care or pension system.

**Recommended reading**


**Links**

- [http://www.fiwi.uni-oldenburg.de/](http://www.fiwi.uni-oldenburg.de/)

**Languages of instruction**

- German
- English

**Duration (semesters)**

- 1 semester

**Module frequency**

- jährlich

**Module capacity**

- unlimited

**Information**

- The seminar will be conducted as a block seminar

**Modul level**

- SPM (Schwerpunktmodul)

**Modulart**

- Wahlpflicht

**Lern-/Lehrform / Type of program**

- V (2 SWS), S (2 SWS)

**Vorkenntnisse / Previous knowledge**

**Examination**

<table>
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<tr>
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<td>seminar paper end presentation</td>
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**Course type**

<table>
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<th>Workload attendance</th>
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<tr>
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**Duration / Modullevel**

- SP 1 Semester

**Module capacity**

- unlimited

**Information**

- The seminar will be conducted as a block seminar
<table>
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<tr>
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<td>28 h</td>
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**Total attendance time of module**

84 h
wir880 - Marine & Maritime Law

Module name: Marine & Maritime Law
Module code: wir880
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "China - Wirtschaft und Sprache" (CHI)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Transnational Economics and Law" (TEL)

Contact person:
- module responsibility
  - Christine Godt
- authorized examiners
  - Christine Godt
  - William Sutton

Prerequisites:
Die Studierenden
erwerben Kenntnisse des maritimen (zivilistischen) und des marinen (öffentlichen) Seerechts
und deren Verschränkung in den Rechtsebenen und mit dem kontinentalen Wasserrecht.
sind in der Lage, seerechtliche Fragestellungen zu analysieren und lösungsorientiert zu
bearbeiten.
können Forschungsfragen interdisziplinär entwickeln und bearbeiten.

Module contents:
Das Modul "Marine & Maritime law in Europe" beinhaltet zwei Veranstaltungen mit jeweils 28 SWS.
Die Veranstaltung "Marine Law" behandelt das öffentlich-rechtliche Seerecht, das die Zuordnung und
Nutzung der Seeressourcen regelt (Fisch, Seeewege, Energie [Wind, Öl, Gas], Verklappung,
Schutzgebiete, deep sea mining und Bioprospektion, Küstenschutz). Die Veranstaltung "Maritime Law"
behandelt den internationalen Seeverkehr. Themen sind die Beförderung von Gütern auf dem Seeweg
(u.a. Haag-Visby Regeln), die Haftung für Güterverluste, Unfälle, Kollisionen, Bergung und Sanierung,
sowie Hafenrecht und Schiffsbaubebaren.

Recommended reading:
- Rogers, A./Chuah, J./Dockray, M., Cases and Materials on the Carriage of Goods by Sea, Routledge,
  London [u.a.], 2016.
- Zacharias, M., Marine Policy. An Introduction to Governance and International Law of the Oceans,
  Routledge, London [u.a.], 2014.

Links:

Language of instruction: English
Duration (semesters): 1 semester
Module frequency: jährlich
Module capacity: unlimited
Modullevel: SPM (Schwerpunktmodul / Main emphasis)
Modulart: Wahlpflicht / Elective
Vorkenntnisse / Type of program: S

Examination:
- examination periods: Während der Vorlesungszeit
- Type of examination: Referat oder Hausarbeit oder mündliche Prüfung
## wir881 - Energy Law

<table>
<thead>
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<td><strong>Workload</strong></td>
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### Used in degree programmes
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "China - Wirtschaft und Sprache" (CHI)
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Transnational Economics and Law" (TEL)

### Contact person
- **module responsibility**
  - Christine Godt
- **authorized examiners**
  - Christine Godt
  - Ulrich Meyerholt
- **Module counceling**
  - Ulrich Meyerholt

### Prerequisites

### Skills to be acquired in this module
- Die Studierenden
  - erwerben vertiefte Kenntnisse des europäischen und deutschen Energiewirtschaftsrechts.
  - sind in der Lage, energierechtliche Fragestellungen zu analysieren und lösungsorientiert zu bearbeiten.
  - können Forschungsfragen interdisziplinär entwickeln und bearbeiten.

### Module contents

### Recommended reading

### Links
- **Languages of instruction**
  - German, English
- **Duration (semesters)**
  - 1 semester
- **Module frequency**
  - jährlich
- **Module capacity**
  - unlimited
- **Modullevel**
  - MM (Mastermodul / Master module)
- **Modulart**
  - Wahlpflicht / Elective
- **Lern-/Lehrform / Type of program**
- **Vorkenntnisse / Previous knowledge**
- **Examination**
  - examination periods
  - Type of examination
  - Während der Vorlesungszeit
  - Referat oder Hausarbeit oder mündliche Prüfung

### Contact person
- **module responsibility**
  - Christine Godt
- **authorized examiners**
  - Christine Godt
  - Ulrich Meyerholt
- **Module counceling**
  - Ulrich Meyerholt
Transnational Biodiversity and Genetic Resources Law

Module name: Transnational Biodiversity and Genetic Resources Law
Module code: wir883
ECTS credit points: 6.0 KP
Workload: 180 h

Used in degree programmes:
- Master Sustainability Economics and Management > Ergänzungsmodule
- Master Wirtschafts- und Rechtswissenschaften > Schwerpunkt "Transnational Economics and Law" (TEL)

Contact person:
- module responsibility
  - Christine Godt
- authorized examiners
  - Christine Godt
  - Evanston Kamau

Module counseling:
- Evanston Kamau

Prerequisites:
- englische Sprachkenntnisse

Skills to be acquired in this module:
- Die Studierenden verstehen internationale, europäische und nationale themenbezogene Rechtsnormen und Rechtsfragen.
- Sie wenden internationale, nationale und europäische themenbezogene Rechtsnormen an.
- Sie erlernen die englische Rechtsterminologie.

Module contents:

- Internationale Rahmenbedingungen für den Zugang zu genetischen Ressourcen und Vorteilsausgleich
- EU-Recht und ausfüllende mitgliedstaatliche Regeln zur biologischen Forschung an und Nutzung von genetischen Ressourcen, Traditionellem Wissen und Technologietransfer
- Nationale Vorschriften der Ressourcenstaaten für das Aufsuchen genetischer Ressourcen bei wissenschaftlichen Feldstudien und kommerzieller Bioprospektion (z.B. Genehmigungspflichten; Prior Informed Consent; Mutually Agreed Terms; Due Diligence)
- Recht der verschiedenen kommerziellen, gesetzlichen und akademischen Ex-situ-Sammlungen genetischer Ressourcen (Practices of databases / Prinzipien und Praktiken der Datenbanken)
- Code of Conduct der deutschen Forschungseinrichtungen (vor allem DFG)
- Genetische Ressourcen und Geistiges Eigentum
- Good practices / Bewährte Verfahren (selected ex situ collections)
- ABS agreements ("Mutual Agreed Terms") / Verträge
- Legislative options / Legislative Optionen

Recommended reading:

Links:
- http://www.fk2.unioldenburg.de/InstRW/oeffwr/
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<td>Hausarbeit oder Referat</td>
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wir915 - Renewable Energy Systems

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<td>Used in degree programmes</td>
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**Contact person**

- Bernd Siebenhüner
- Joachim Peinke
- Michael Hölling

**Prerequisites**

None.

**Skills to be acquired in this module**

Students learn details about the wide range of renewable energy sources and renewable energy technology as well as their background story.

**Module contents**

Energy basics, energy resources, global energy overview, energy scenarios, techno-economic aspects of energy use (external costs, life cycle analysis, ...), environmental effects of energy use (greenhouse gas emissions, ozone, ...), conventional and advanced power plant technologies, power distribution, advanced storage technologies, solar thermal power plants, geothermal and ocean energies.

**Recommended reading**

**Links**

Languages of instruction: German, English

**Duration (semesters)**

1 semester

**Module frequency**

halbjährlich

**Module capacity**

unlimited

**Modullevel**

MM-PB (Professionalisierungsbereichsmodul im Master)

**Modulart**

Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

**Examination**

- examination periods: By the end of the lecture period.
- Type of examination: Term paper or written exam.
### wir919 - Topics in Sustainability Economics and Management I

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<td>module responsibility</td>
</tr>
<tr>
<td></td>
<td>• Bernd Siebenhüner</td>
</tr>
<tr>
<td></td>
<td>authorized examiners</td>
</tr>
<tr>
<td></td>
<td>• Bernd Siebenhüner</td>
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</table>

### Prerequisites

### Skills to be acquired in this module

### Module contents

### Recommended reading

### Links

### Language of instruction

### Duration (semesters)

### 1 semester

### Module frequency

### Module capacity

### unlimited

### Moduleart

### je nach Studiengang Pflicht oder Wahlpflicht

### Lern-/Lehrform / Type of program

### Vorkenntnisse / Previous knowledge

### Examination

<table>
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**wir930 - Wahllofenes Modul**

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### wir932 - International Regulatory and Competition Policy

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#### Used in degree programmes
- Master Sustainability Economics and Management > Ergänzungsmodule

#### Contact person
- **module responsibility**
  - Bernd Siebenhüner
  - Heinz Welsch
- **authorized examiners**
  - Heinz Welsch
  - Klaus Eisenack
  - Jan Kühling
- **Module counseling**
  - Klaus Eisenack
  - Jan Kühling

#### Prerequisites
- No

#### Skills to be acquired in this module
The aim of the course is to acquire an understanding of key issues of competition theory and competition policy. This comprises the fundamentals of industrial economics, the tradeoff between market power and efficiency, and the practice of competition policy in Europe.

#### Module contents
The module consists of two courses. Course A deals with the theory of monopoly, the theory of oligopoly, cartels and market entry and the welfare analysis of market structure. Course B deals with topics in international regulatory and competition policy, especially monopoly regulation, economies of scale vs. market power in transnational markets, aims and instruments of European regulatory and competition policy.

#### Recommended reading

### Links
- Language of instruction: English
- Duration (semesters): 1 semester
- Module frequency: jährlich
- Module capacity: unlimited
- Modullevel: EB (Ergänzungsbereich)
- Modulart: Wahlpflicht

#### Examination
- **Vorkenntnisse / Previous knowledge**
- **Lern-/Lehrform / Type of program**
- **Type of examination**
  - Final exam of module
    - By the end of the lecture period
    - Portfolio comprising 2 short written tests (20 minutes each) and the presentation of an essay.

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- 84 h
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wir938 - Eco-Venturing

Module name  Eco-Venturing
Module code   wir938
ECTS credit points  6.0 KP
Workload   180 h

Used in degree programmes
- Master Sustainability Economics and Management > Ergänzungsmodule

Contact person
module responsibility
- Bernd Siebenhüner
- Klaus Fichter
authorized examiners
- Klaus Fichter
- Alexander Nicolai
Module counseling
- Alexander Nicolai

Prerequisites

Skills to be acquired in this module

Recommended reading

Module contents

Links

Language of instruction  German
Duration (semesters)  1 semester

Module frequency

Module capacity  unlimited

Lern-/Lehrform / Type of program

Vorkenntnisse / Previous knowledge

Examination
examination periods
Type of examination
Final exam of module
KL

Course type
Comment
SWS
Offer rhythm
Workload attendance
Project-oriented module
4

Seminar
0 h

Total attendance time of module  56 h

56 h
### wir939 - Topics in Sustainability Economics and Management II

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| Used in degree programmes | Master Sustainability Economics and Management > Ergänzungsmodule  
                           | Master Wirtschafts- und Rechtswissenschaften > Frühere Module |
| Contact person            |                                                      |
|                           | module responsibility                                |
|                           | » Bernd Siebenhüner                                  |
|                           | authorized examiners                                 |
|                           | » Bernd Siebenhüner                                  |
| Prerequisites             |                                                      |
| Skills to be acquired in this module |                                  |
| Module contents           |                                                      |
| Recommended reading       |                                                      |
| Links                     |                                                      |
| Language of instruction   | English                                              |
| Duration (semesters)      | 1 semester                                           |
| Module frequency          |                                                      |
| Module capacity           | unlimited                                            |
| Module level              | ---                                                  |
| Modulart                  | je nach Studiengang Pflicht oder Wahlpflicht         |
| Lern-/Lehrform / Type of program |                                  |
| Vorkenntnisse / Previous knowledge |                         |
| Examination               | examination periods                                    |
|                           | Type of examination                                   |
| Final exam of module      |                                                      |
|                           | KL                                                   |
### Abschlussmodul

**kolloquium - Forschungskolloquium**

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#### Skills to be acquired in this module

#### Module contents

#### Recommended reading

#### Links

#### Duration (semesters)

1 semester

#### Module frequency

unlimited

#### Modulelevel

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#### Modulart

je nach Studiengang Pflicht oder Wahlpflicht

#### Lern-/Lehrform / Type of program

#### Vorkenntnisse / Previous knowledge

#### Examination

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#### Final exam of module
**mam - Master’s Thesis Module**

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**Prerequisites**

**Skills to be acquired in this module**

**Recommended reading**

**Links**

**Languages of instruction**

**Duration (semesters)** 1 semester

**Module frequency**

**Module capacity** unlimited

**Modulelevel** ---

**Modulart** je nach Studiengang Pflicht oder Wahlpflicht

**Lern-/Lehrform / Type of program**

**Vorkenntnisse / Previous knowledge**

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# Frühere Module

### lök210 - Naturschutz in der Praxis

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### mm-a2 - Instrumente des Nachhaltigkeitsmanagements

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**mm-e2a - Wind Energy and Energy Meteorology**

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**Module name**
International Trade, Production and Change

**Module code**
wir821

**ECTS credit points**
6.0 KP

**Workload**
180 h

**Used in degree programmes**
- Master Sustainability Economics and Management > Frühere Module

**Contact person**

- module responsibility
  - Bernd Siebenhüner
  - Hans-Michael Trautwein

- authorized examiners
  - Dennis Drews
  - Klaus Eisenack
  - Jürgen Bitzer
  - Dirk Ehnts
  - Hans-Michael Trautwein

**Prerequisites**
Keine

**Skills to be acquired in this module**
- Understanding of trade relations, international factor movements and corresponding balance-of-payments mechanisms
- Capability to discuss structural change in global trade and productions in terms of formal models and case studies
- Understanding of the causes and alternative strategies of economic integration in regional blocs
- Understanding of the causes and alternative strategies of economic transformation in emerging markets
- Ability to research data and evaluate the literature on specific aspects of international trade, production and structural change

**Module contents**
The lectures and seminar papers address issues in the following subfields:
- international trade
- international trade policies and regimes
- geographical economics
- foreign direct investment
- labour migration
- fragmentation of production
- regulations of international trade and factor movements
- development strategies
- regional integration

**Recommended reading**
- weitere themenspezifische Literaturhinweise werden in den Veranstaltungen gegeben.

**Links**

**Language of instruction**
English

**Duration (semesters)**
1 semester

**Module frequency**
jährlich

**Module capacity**
unlimited

**Information**
- Mitarbeit in Vorlesung und Seminar ist Pflicht für den Erwerb eines Leistungsnachweises, der als Referat im Seminar erbracht wird
- Das Seminar wird in der Form eines Blockseminars abgehalten
- Es gibt eine Vorbesprechung Anfang des Semesters, in der die Themen vergeben werden

**Modullevel**
MM (Mastermodul)

**Modulart**
Wahlpflicht

**Lern-/Lehrform / Type of program**
Vorlesung mit begleitendem Seminar

**Vorkenntnisse / Previous knowledge**

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## wir920 - Entrepreneurship

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