
Modulhandbuch
Sustainability Economics and Management - Master's Programme
im Summer semester 2025
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Basic Modules

wir812 - Environmental Law

Module label	Environmental Law	
Module code	wir812	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's Programme Business Administration, Economics and Law (Master) > Mantelmodule (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-Recht • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - Recht • Master's programme Business Administration: Management and Law (Master) > Basismodule more... • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-Recht • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - Recht • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's Programme Sustainability Economics and Management (Master) > Basic Modules 	
Responsible persons	<ul style="list-style-type: none"> • Meyerholt, Ulrich (Module counselling) • Godt, Christine (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 	
Prerequisites		
Skills to be acquired in this module	<p>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.</p>	
Module contents	<p>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.</p>	
Recommended reading	<p>Epiney, A. (2013), Umweltrecht der Europäischen Union, Nomos, Baden-Baden. Erbguth, W./Schlacke, S., (2016), Umweltrecht, 6. Aufl., Nomos, Baden-Baden. Jans, J./Vedder, H. (2012), European Environmental Law, 4. Aufl., Europa Law Publishing, Groningen. Meyerholt, U. (2016), Umweltrecht, 4. Aufl. BIS-Vlg, Oldenburg.</p>	
Links		
Language of instruction	German	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	during term	oral presentation and written script
Type of course	Lecture	

SWS	4
Frequency	SuSe or WiSe
Workload attendance time	56 h

wir901 - Environmental Economics

Module label	Environmental Economics			
Module code	wir901			
Credit points	6.0 KP			
Workload	180 h (Lecture: 3 SWS (42h) Exercise: 1 SWS (14h))			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-VWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-VWL • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules 			
Responsible persons	<ul style="list-style-type: none"> • Helm, Carsten (Module counselling) • Lehrenden, Die im Modul (Module counselling) • Lehrenden, Die im Modul (authorised to take exams) • Helm, Carsten (module responsibility) 			
Prerequisites	Keine			
Skills to be acquired in this module	Know and be able to apply fundamental concepts and figures of thought in environmental economics; be able to analyse and evaluate environmental problems and solution approaches; practice scientific methods and the ability to discuss; be able to classify environmental economics in the context of interdisciplinary sustainability research.			
Module contents	Economic analysis of environmental impacts (property rights, external effects, market failure); ethical aspects of environmental economics, instruments of environmental policy (tradable permits, taxes, subsidies, liability law); innovation and adaptation of new technologies; international environmental problems.			
Recommended reading	<p>Daniel J. Phaneuf and Till Requate. <i>A Course in Environmental Economics: Theory, Policy, and Practice</i>. Cambridge University Press, 2016.</p> <p>Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray. <i>Natural Resource and Environmental Economics</i>. Addison Wesley. 2011 (4th edition).</p>			
Links				
Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Annually			
Module capacity	unlimited			
Type of module	Pflicht o. Wahlpflicht / compulsory or optional			
Teaching/Learning method	Lecture and exercise			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	At the end of the lecture period		Written exam; bonus through solution of exercises	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2		28
Total module attendance time				56 h

wir902 - Perspectives and Instruments of Corporate Sustainability

Module label	Perspectives and Instruments of Corporate Sustainability
Module code	wir902
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL• Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master)• Master's programme Social Sciences (Master) > Wahlpflichtmodule anderer Institute und Departments• Master's Programme Sustainability Economics and Management (Master) > Basic Modules• Master's Programme Water and Coastal Management (Master) > Socioeconomics
Responsible persons	<ul style="list-style-type: none">• Siebenhüner, Bernd (module responsibility)• Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	No
Skills to be acquired in this module	<p>- 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</p>
Module contents	<p>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.</p>
Recommended reading	<p>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; Board on Sustainable Development of the National Research Council, 1999 Our Common Journey: A Transition Toward Sustainability. Washington D.C.: National Academy Press; Dyllick, Thomas, and Kay Hockerts, 2002 "Beyond the Business Case for Corporate Sustainability." Business Strategy and the Environment, 2002: 130-141; Gladwin, T., et al., 1995 "Shifting paradigms for sustainable development: Implications for management theory and research." Academy of Management Review, 20: 874 - 907; Hart, Stuart, 1997 "Strategies for a sustainable world." Harvard Business Review, January-February 1997: 67-76; Holliday, Charles O., et al., 2002 Walking the Talk. The Business Case for Sustainable</p>

Development. Sheffield: Greenleaf; Hutchinson, Andrew, and Frances Hutchinson, 1997 Environmental Business Management: Sustainable Development in the New Millennium. London u.a.: McGraw-Hill. Shrivastava, Paul, and Stuart L. Hart, 1995 "Creating sustainable corporations." Business Strategy and the Environment 1995: 154 165.

Links				
Language of instruction		English		
Duration (semesters)		1 Semester		
Module frequency		jährlich		
Module capacity		unlimited		
Examination	Prüfungszeiten	Type of examination		
Final exam of module				
	to be announced at the beginning of the course	to be announced at the beginning of the course		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture and seminar		2	--	28
Seminar		2		28
Total module attendance time				56 h

wir904 - Environmental and Sustainability Policies

Module label	Environmental and Sustainability Policies
Module code	wir904
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's programme Social Sciences (Master) > Wahlpflichtmodule anderer Institute und Departments • Master's Programme Sustainability Economics and Management (Master) > Basic Modules
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Siebenhüner, Bernd (Module counselling) • Wegner, Alkje (Module counselling) • Müller, Werner Joachim (Module counselling) • Siebenhüner, Bernd (module responsibility)
Prerequisites	
Skills to be acquired in this module	<p>students:</p> <ul style="list-style-type: none"> • have basic information about national and european environmental and sustainability governance • describe the history of national and european environmental and sustainability governance • reflect upon central principles, instruments, players and strategies in environmental and sustainability governance • analyze selected topics of environmental and sustainability governance based upon central principles, instruments, players and strategies
Module contents	<ul style="list-style-type: none"> • Introduction to environmental politics - Politics, Political Science, Policy Analysis • Environment – Terms and Concepts - Historical Foundations of Environmental Politics • Actors, institutions and governance structures; Actors in Environmental Policy • Socio-ecological systems framework • Environmental Policy in Germany • Environmental Policy in the European Union • Steering and principles in environmental policy • Instruments in environmental policy • Policy process and environmental policy • Multilevel and reflexive governance - Multilevel governance • International environmental governance • Science-Policy Interface
Recommended reading	<p>Aden, Hartmut (2012): Umweltpolitik, Wiesbaden: VS-Verlag Ambrus, M./Arts, K./Hey, E./Raulus, H. (Eds.): The Role of 'Experts' in International and European Decision-Making Processes. Advisors, Decision Makers or Irrelevant Actors? Cambridge: Cambridge University Press Jänicke, M. (1997): National Environmental Policies. Heidelberg: Springer Jordan, A. (Hrsg.) (2004): Environmental Policy in the European Union: Actors, Institutions and Processes. London: Earthscan. Kraft, Michael E. (2011): Environmental policy and politics. 5th ed. Upper Saddle River: Pearson Education Ostrom, E. (2009): A General Framework for Analyzing Sustainability of Social-Ecological Systems, Science 325: 420 Hooghe, Liesbet and Makrs, Gary (2003). "Unraveling the Central State, but How? Types of Multi-level Governance." American Political Science Review 97(02): 233-243.</p>
Links	https://www.uni-oldenburg.de/wire/
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	unlimited
Examination	Prüfungszeiten
	Type of examination

Examination	Prüfungszeiten	Type of examination
Final exam of module		presentation
Type of course	Lecture and seminar	
SWS	4	
Frequency	WiSe	
Workload attendance time	56 h	

wir905 - Environmental Sciences

Module label	Environmental Sciences			
Module code	wir905			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's Programme Sustainability Economics and Management (Master) > Basic Modules • Master's Programme Water and Coastal Management (Master) > Science 			
Responsible persons	<ul style="list-style-type: none"> • Freund, Holger (Module counselling) • Köster, Jürgen (Module counselling) • Dozent, Gast (Module counselling) • Klenke, Thomas (authorised to take exams) • Freund, Holger (authorised to take exams) • Köster, Jürgen (authorised to take exams) • Klenke, Thomas (module responsibility) 			
Prerequisites				
Skills to be acquired in this module	<p>The Introduction to processes and systems of the dynamic Earth constituting the foundation for sustainable management is presented to produce:</p> <ul style="list-style-type: none"> • 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. <p>Short films will be presented to endorse the intended achievements.</p>			
Module contents	<p>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 Ressourcenschließung; Ökosysteme der Erde.) Seminar: Cases in Understanding the Bioplanet Earth (2 contact hours/week)</p> <p>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.</p>			
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			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	By the end of the lecture period.	Presentation/discussion and written report on a case; Scientific quality of presentation (40 %) Clarity of presentation and discussion (20 %) Scientific quality of report (40 %)		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
Total module attendance time				56 h

wir808 - Multivariate Statistics

Module label	Multivariate Statistics			
Module code	wir808			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's Programme Business Administration, Economics and Law (Master) > Mantelmodule (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Computing Science (Master) > Module aus anderen Studiengängen • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules 			
Responsible persons	<ul style="list-style-type: none"> • Stecking, Ralf Werner (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 			
Prerequisites				
Skills to be acquired in this module	<p>With successful completion of the course, students shall:</p> <ul style="list-style-type: none"> • 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	<p>Various methods of quantitative data analysis such as:</p> <ul style="list-style-type: none"> • Linear Regression, • Logistic Regression, • Linear Discriminant Analysis, • Principal Component Analysis, • Feature selection and evaluation methods. 			
Recommended reading	<p>Backhaus, Erichson, Plinke, Weiber (2015): Multivariate Analysemethoden, 14. Aufl., Springer, Berlin Litz, H.P. (2000): Multivariate Statistische Methoden, Oldenbourg, München Hartung, J. und Elpelt, B. (2006): Multivariate Statistik, 7. Aufl., Oldenbourg, München Berthold, M. und Hand, D.J. (2010): Intelligent Data Analysis, 2. Aufl., Springer, Berlin Witten, I.H. und Frank, E. (2011): Data Mining, 3. Aufl., Morgan Kaufmann, San Francisco</p>			
Links				
Language of instruction	German			
Duration (semesters)	1 Semester			
Module frequency	jährlich			
Module capacity	unlimited			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	at the end of the semester		written exam or oral exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2		28

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Total module attendance time				56 h

wir809 - Econometrics

Module label	Econometrics		
Module code	wir809		
Credit points	6.0 KP		
Workload	180 h		
Applicability of the module	<ul style="list-style-type: none"> • Bachelor's Programme Economics and Business Administration (Bachelor) > Studienrichtung Volkswirtschaftslehre • Bachelor's Programme Sustainability Economics (Bachelor) > Aufbaumodule • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's Programme Business Administration, Economics and Law (Master) > Mantelmodule (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 		
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Bitzer, Jürgen (module responsibility) 		
Prerequisites	Keine		
Skills to be acquired in this module	<p>The students are able to:</p> <ul style="list-style-type: none"> - 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	<p>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.</p>		
Recommended reading	<p>Stock, J. H. & Watson, M. W. (2011), Introduction to Econometrics (3rd ed.), Amsterdam: Addison-Wesley Longman.</p> <p>Kohler, Ulrich und Frauke Kreuter (2016): Datenanalyse mit Stata: Allgemeine Konzepte der Datenanalyse und ihre praktische Anwendung, 45. aktualisierte und überarbeitete Auflage, Oldenbourg Verlag.</p>		
Links	https://www.uni-oldenburg.de/wire/		
Language of instruction	German		
Duration (semesters)	1 Semester		
Module frequency	jährlich		
Module capacity	unlimited		
Reference text	Dieses Modul besteht aus einer Vorlesung und einer Übung. Die Übung findet im Computerraum statt. Neben der Vertiefung des Vorlesungsstoffes lernen die Teilnehmer in der Übung auch den Umgang mit der Ökonometriesoftware STATA.		
Examination	Prüfungszeiten	Type of examination	
Final exam of module	end of the semester	written exam	
Type of course	Comment	SWS	Frequency
			Workload of compulsory attendance
Lecture		2	28
Exercises		2	28
Total module attendance time			56 h

wir894 - Econometrics of Policy Evaluation

Module label	Econometrics of Policy Evaluation	
Module code	wir894	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Empirical Methods • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules 	
Responsible persons	<ul style="list-style-type: none"> • Huse, Cristian (module responsibility) • Huse, Cristian (Module counselling) 	
Prerequisites		
Skills to be acquired in this module	<p>Be able to conceptually understand and apply key empirical methods used by any economist (and other professionals) in the evaluation of policies. Be able to perform and critically evaluate an empirical analysis.</p>	
Module contents	Econometric methods (Causality, Randomization, Regression discontinuity, Difference-in-differences, topics in Microeconometrics); applications.	
Recommended reading	<p>Gertler, P. et al (2016). <i>Impact Evaluation in Practice</i>, 2nd. Edition. Washington, DC: Inter-American Development Bank and World Bank. Cameron, A. C., and P. Trivedi (2005). <i>Microeconometrics: Methods and Applications</i>. Cambridge: Cambridge University Press.</p>	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency		
Module capacity	60	
Examination	Prüfungszeiten	Type of examination
Final exam of module	At the end of the lecture period	Portfolio
Type of course	Lecture	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

Supplementary Modules

inf651 - Environmental Management Information Systems I

Module label	Environmental Management Information Systems I
Module code	inf651
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM - interdisziplinär• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM - interdisziplinär• Master's Programme Business Informatics (Master) > Akzentsetzungsmodule Bereich Wirtschaftsinformatik• Master's Programme Business Informatics (Master) > Akzentsetzungsmodule der Informatik• Master's Programme Computing Science (Master) > Angewandte Informatik• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Marx Gómez, Jorge (module responsibility)• Bremer-Rapp, Barbara (module responsibility)• Solsbach, Andreas (module responsibility)• Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	No participant requirement
Skills to be acquired in this module	<p>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.</p> <p>Professional competence The students:</p> <ul style="list-style-type: none">• 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) <p>Methodological competence The students:</p> <ul style="list-style-type: none">• implement CEMIS• apply different techniques and methods to case studies• develop new case studies in teams <p>Social competence The students:</p> <ul style="list-style-type: none">• 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 <p>Self-competence The students:</p> <ul style="list-style-type: none">• 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

- Heck, P., Bemmann, U. (Hrsg.) (2002): Praxishandbuch Stoffstrommanagement. Deutscher Wirtschaftsdienst.
- Rüdiger, C. (2000): Betriebliches Stoffstrommanagement. Deutscher Universitätsverlag.
- Möller, A. (2000): Grundlagen stoffstrombasierter Betrieblicher Umweltinformationssysteme. Projekt Verlag.
- Rautenstrauch, C. (1999), Betriebliche Umweltinformationssysteme, Springer-Verlag, Berlin.

Links

Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	annual
Module capacity	unlimited
Teaching/Learning method	V+Ü

Examination	Prüfungszeiten	Type of examination
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Final exam of module

At the end of the lecture period

exercises and written exam or exercises and oral exam

The specific type of exam will be specified prior to the beginning of the course.

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe	28
Exercises		2	SuSe	28
Total module attendance time				56 h

inf659 - Environmental Management Information Systems II

Module label	Environmental Management Information Systems II
Module code	inf659
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM - interdisziplinär• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM - interdisziplinär• Master's Programme Business Informatics (Master) > Akzentsetzungsmodule Bereich Wirtschaftsinformatik• Master's Programme Business Informatics (Master) > Akzentsetzungsmodule der Informatik• Master's Programme Computing Science (Master) > Angewandte Informatik• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Marx Gómez, Jorge (module responsibility)• Bremer-Rapp, Barbara (module responsibility)• Solsbach, Andreas (module responsibility)• Lehrenden, Die im Modul (authorised to take exams)

Prerequisites

recommended previous knowledge:

- The topics discussed in the modules inf651 Environmental Management Information Systems I as well as inf660 Sustainability Informatics, like material flow analysis, environmental management system, life cycle assessment, sustainability management.

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

- Marx Gómez, Jorge, Scholtz, Brenda (Hrsg.) (2016): Information Technology in Environmental Engineering. Springer International Publishing
- Marx Gomez, J., Sonnenschein, M., Vogel, U., Winter, A., Rapp, B., Giesen, N. (Hrsg.) (2016): Advances and New Trends in Environmental and Energy Informatics. Springer International Publishing
- Marx Gómez, J., Teuteberg, F. (Hrsg.) (2010): Corporate Environmental Management Information Systems – State of the Art and Future Trends. Idea Group Publishing Hershey (PA), London
- Heck, P., Bemmann, U. (Hrsg.) (2002): Praxishandbuch Stoffstrommanagement. Deutscher Wirtschaftsdienst
- Rüdiger, C. (2000): Betriebliches Stoffstrommanagement. Deutscher Universitätsverlag
- Möller, A. (2000): Grundlagen stoffstrombasierter Betrieblicher Umweltinformationssysteme. Projekt Verlag
- Rautenstrauch, C. (1999), Betriebliche Umweltinformationssysteme, Springer-Verlag, Berlin

Links

<http://www.wi-ol.de>

Languages of instruction

German, English

Duration (semesters)

1 Semester

Module frequency

WiSe

Module capacity

unlimited

Reference text

Usually, this course is offered as a block course during the lecture free period. The specific type and language will be announced prior to the beginning of the course

Teaching/Learning method

V+Ü

Examination

Prüfungszeiten

Type of examination

Final exam of module

In case the course is offered as block course, exams will be scheduled accordingly. Otherwise, usually within two weeks after the end of the lecture period

Written examination or Oral examination or Term paper/assignment or Formal presentation or Portfolio

The specific type of exam will be announced prior to the beginning of the course.

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Exercises		2	WiSe	28
Total module attendance time				56 h

lök210 - Practice of Nature Conservation

Module label	Practice of Nature Conservation
Module code	lök210
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Landscape Ecology (Master) > Wahlpflichtmodule • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Science
Responsible persons	<ul style="list-style-type: none"> • Mose, Ingo (module responsibility) • Mose, Ingo (Module counselling) • Buchwald, Rainer (authorised to take exams) • Dörfler, Inken (authorised to take exams) • Mose, Ingo (authorised to take exams) • Fartmann, Thomas (authorised to take exams) • Janßen, Hans-Joachim, Dipl.-Ing. (authorised to take exams)
Prerequisites	Completed ecology-oriented Bachelor course
Skills to be acquired in this module	<p>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.</p> <p>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.</p>
Module contents	<p>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</p> <p>b) Seminar "Introduction to the German Nature Conservation Law": This course deals with some parts of the Nature Conservation Law of Germany and Lower Saxony and discusses their relevance to the actual Nature Conservation policy in Northwest-Germany.</p> <p>this seminar takes place in the winter term</p> <p>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</p> <p>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</p>
Recommended reading	<p>Amler, K. et al. (1999): Populationsbiologie in der Praxis. Stuttgart.</p> <p>Corbet, Ph. S. (1999): Dragonflies: Behaviour and ecology of Odonata. Chichester.</p> <p>Hammer, T. (ed., 2003): Großschutzgebiete - Instrumente nachhaltiger Entwicklung. München.</p> <p>Jedicke, E. (1990): Biotopverbund. Stuttgart.</p> <p>Jessel, B. & K. Tobias (2002): Ökologisch orientierte Planung. Stuttgart.</p> <p>Köppel, J. et al. (1998): Praxis der Eingriffsregelung. Stuttgart.</p> <p>Mose, I. (ed., 2007): Protected areas and regional development in Europe. Aldershot.</p> <p>Sternberg, K. & R. Buchwald (1999/2000): Die Libellen Baden-Württembergs; 2 volumes. Stuttgart.</p>
Links	https://www.uni-oldenburg.de/vegetationskunde/
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	jährlich
Module capacity	35

Examination	Prüfungszeiten	Type of examination		
Final exam of module	Before the end of the module	6 CP = Paper (in the course of a seminar) or excursion report or assignment		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		1		14
Exercises		1		14
Seminar		2		28
Study trip		3		42
Total module attendance time				98 h

lök320 - Sustainable Spatial Development in Europe

Module label	Sustainable Spatial Development in Europe
Module code	lök320
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Landscape Ecology (Master) > Wahlpflichtmodule • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Planning
Responsible persons	<ul style="list-style-type: none"> • Mose, Ingo (module responsibility) • Mose, Ingo (Module counselling) • Mose, Ingo (authorised to take exams) • Klenke, Thomas (authorised to take exams) • Kramer, Nadine (authorised to take exams) • Schaal, Peter (authorised to take exams)
Prerequisites	Good command of English
Skills to be acquired in this module	Presentation and critical reflection of crucial demands of a sustainable spatial development in selected fields of activities especially considering rural development. Comparison of suitable case studies in a European context. Knowledge into central control instruments of structural, regional, and agricultural policy on a national as well as on a European level. Considering specific demands of spatial development in the context of political and social processes of Europeanization.
Module contents	<p>SE/EX Multifunctionality and rural development (3 CP) V Topical issues of agriculture and nutrition (1.5 CP) SE/EX Sustainable tourism (3 CP) SE/EX Renewable energy planning (3 CP) V Colloquium on sustainable spatial development (1.5 CP) SE Special subject job market: Job market and inequality in Europe (3 CP) – This course (1.07.211 / FK I) takes place in the summer semester.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Recommended reading	<p>Akademie für Raumforschung und Landesplanung (Hrsg.): Handwörterbuch der Raumordnung. Hannover 2017.</p> <p>Cloke, P.; Marsden, T.; Mooney, P.H. (eds.): Handbook of rural studies. London 2006.</p> <p>Ermann, U. et al.: Agro-Food Studies. Eine Einführung. Köln 2018</p> <p>Fischer, A.: Sustainable Tourism. Bern 2014.</p>

Grabski-Kieron, U.; Mose, I.; Reichert-Schick, A.; Steinführer, A. (eds.): European rural peripheries revalued. Governance, actors, impacts. Münster 2016.
 Küster, H.: Die Entdeckung der Landschaft. Einführung in eine neue Wissenschaft. München 2012.
 Lossau, J.; Freytag, T.; Lippuner, R. (Hrsg.): Schlüsselbegriffe der Kultur- und Sozialgeographie. Stuttgart 2014
 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			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	Before the end of the module		6 CP = Report or assignment	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	--	28
Seminar		3	--	42
Study trip		1	--	14
Total module attendance time				84 h

Iök998 - Environmental Planning

Module label	Environmental Planning		
Module code	Iök998		
Credit points	6.0 KP		
Workload	180 h		
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules		
Responsible persons			
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		
Examination	Prüfungszeiten	Type of examination	
Final exam of module		KL	
Type of course	Seminar		
Frequency			

wir809 - Econometrics

Module label	Econometrics		
Module code	wir809		
Credit points	6.0 KP		
Workload	180 h		
Applicability of the module	<ul style="list-style-type: none"> • Bachelor's Programme Economics and Business Administration (Bachelor) > Studienrichtung Volkswirtschaftslehre • Bachelor's Programme Sustainability Economics (Bachelor) > Aufbaumodule • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's Programme Business Administration, Economics and Law (Master) > Mantelmodule (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's Programme Sustainability Economics and Management (Master) > Basic Modules • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 		
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Bitzer, Jürgen (module responsibility) 		
Prerequisites	Keine		
Skills to be acquired in this module	<p>The students are able to:</p> <ul style="list-style-type: none"> - 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	<p>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.</p>		
Recommended reading	<p>Stock, J. H. & Watson, M. W. (2011), Introduction to Econometrics (3rd ed.), Amsterdam: Addison-Wesley Longman.</p> <p>Kohler, Ulrich und Frauke Kreuter (2016): Datenanalyse mit Stata: Allgemeine Konzepte der Datenanalyse und ihre praktische Anwendung, 45. aktualisierte und überarbeitete Auflage, Oldenbourg Verlag.</p>		
Links	https://www.uni-oldenburg.de/wire/		
Language of instruction	German		
Duration (semesters)	1 Semester		
Module frequency	jährlich		
Module capacity	unlimited		
Reference text	<p>Dieses Modul besteht aus einer Vorlesung und einer Übung. Die Übung findet im Computerraum statt. Neben der Vertiefung des Vorlesungsstoffes lernen die Teilnehmer in der Übung auch den Umgang mit der Ökonometriesoftware STATA.</p>		
Examination	Prüfungszeiten	Type of examination	
Final exam of module	end of the semester	written exam	
Type of course	Comment	SWS	Frequency
			Workload of compulsory attendance
Lecture		2	28
Exercises		2	28
Total module attendance time			56 h

wir821 - International Trade, Production and Change

Module label	International Trade, Production and Change
Module code	wir821
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • kein Abschluss European Studies in Global Perspectives > Society, Economy and Politics • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Transnational Economics and Law" (TEL) (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none"> • Trautwein, Hans-Michael (module responsibility) • Trautwein, Hans-Michael (authorised to take exams) • Bitzer, Jürgen (authorised to take exams) • Poppitz, Philipp (authorised to take exams) • Trautwein, Hans-Michael (Module counselling)
Prerequisites	keine
Skills to be acquired in this module	<ul style="list-style-type: none"> • 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	<p>The lectures and seminar papers address issues in the following subfields:</p> <ul style="list-style-type: none"> • 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	<p>Brakman, S.; Garretsen, H. & van Marrewijk, C. (2009): The New Introduction to Geographical Economics (2nd ed.). Cambridge: Cambridge University Press.</p> <p>Feenstra, R. (2003): Advanced International Trade: Theory and Evidence. Princeton: University Press.</p> <p>Further references to specific topics and current literature will be given in the events.</p>
Links	
Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	jährlich
Module capacity	unlimited

Reference text

- 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.

Examination		Prüfungszeiten	Type of examination	
Final exam of module		during term	seminar paper and presentation	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
Total module attendance time				56 h

wir826 - Sectoral, Functional and Institutional Approaches to Marketing

Module label	Sectoral, Functional and Institutional Approaches to Marketing	
Module code	wir826	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt Führung von Unternehmen und gesellschaftliche Organisation (FUGO) (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Alavi, Sascha (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 	
Prerequisites		
Skills to be acquired in this module	<p>The students should be enabled</p> <ul style="list-style-type: none"> • to adapt the marketing concept to sectoral, functional and institutional specifics, • to apply specific concepts and methods of marketing in a problem-oriented way and to be able to reflect their conditions and limitations, • to develop and present your own conceptual designs in a team. 	
Module contents	<p>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.</p>	
Recommended reading	<p>Hansen, U. (1999), Absatz- und Beschaffungsmarketing des Einzelhandels. Göttingen. Koppelman, U. (2003), Beschaffungsmarketing. Berlin. Kotler, P.; Roberto, N. & Lee, N. (2002), Social Marketing: Improving the Quality of Life (2nd ed.), Sage Publications. Meffert, H. & Bruhn, M. (2008), Dienstleistungsmarketing. Wiesbaden. Müller-Hagedorn L. (2005), Handelsmarketing. Stuttgart. Freyer, W. (2007), Tourismus-Marketing. München. Backhaus, K. (2003), Investitionsgütermarketing. München.</p>	
Links	www.uni-oldenburg.de/marketing	
Language of instruction	German	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Reference text	The module consists of a preparatory period (approximately 4 sessions on campus) as well as one educational workshop outside of Oldenburg	
Examination	Prüfungszeiten	Type of examination
Final exam of module	during term	examination paper and presentation
Type of course	Seminar	
Frequency		

wir829 - Development directions in Marketing Research

Module label	Development directions in Marketing Research
Module code	wir829
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt Führung von Unternehmen und gesellschaftliche Organisation (FUGO) (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none"> • Alavi, Sascha (module responsibility) • Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	Successful completion of the entrance examination
Skills to be acquired in this module	<p>Upon completion of the module, students will be able to:</p> <ul style="list-style-type: none"> • apply specific competences to strategic research in marketing • classify research strategies in marketing according to their meta-theoretical considerations • estimate research strategies' claims to knowledge and their limitations • formulate interdisciplinary research strategies aligning competences of empirical methods with the application of theory • develop own conceptual sketches within teams and to present them
Module contents	<p>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.</p>
Recommended reading	<p>Kroeber-Riel, W. & Weinberg, P. (2008), Konsumentenverhalten. München. Pepels, W. (1995), Käuferverhalten und Marktforschung. Stuttgart. Aaker, D. et al. (1995), Marketing research. New York. Raffée, H. (1979), Marketing und Umwelt. Stuttgart. Raffée, H. (1974), Grundprobleme der Betriebswirtschaftslehre. Göttingen. Holzmüller, H.H. (1995), Konzeptionelle und methodische Probleme in der interkulturellen Management- und Marketingforschung. Stuttgart. Menniken, C. (2000), Interkulturelles Marketing, Wirkungszusammenhänge zwischen Kultur, Konsumverhalten und Marketing. Wiesbaden. Bubik, R. (1996), Geschichte der Marketing-Theorie: historische Einführung in die Marketing-Lehre. Frankfurt am Main. Fischer-Winkelmann, W. F. & Rock, R. (ed.) (1976), Zur Kritik der Markt- und Marketing-Theorie, Band II: Kritik der Marketing-Theorie. München. Forschungsgruppe Unternehmen und gesellschaftliche Organisation (FUGO) (2004): Perspektiven einer kulturwissenschaftlichen Theorie der Unternehmung. Marburg. Backhaus, K. et al. (ed.) (year): Multivariate Analysemethoden. Berlin. Further literature to be announced at the start of the term.</p>
Links	www.uni-oldenburg.de/marketing
Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	jährlich

Module capacity	unlimited			
Reference text	The module consists of a preparatory period (approximately 4 sessions on campus) as well as one educational workshop outside of Oldenburg			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	during the term	examination paper and presentation		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		1	--	14
Seminar		3	WiSe	42
Total module attendance time				56 h

wir878 - Public Economics and Market Design

Module label	Public Economics and Market Design	
Module code	wir878	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) • Master's programme Social Sciences (Master) > Wahlpflichtmodule anderer Institute und Departments • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Socioeconomics 	
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (Module counselling) • Helm, Carsten (Module counselling) • Helm, Carsten (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 	
Prerequisites	none	
Skills to be acquired in this module	<p>The students are able</p> <ul style="list-style-type: none"> • to understand sources of market failures and government failures • understand taxing and spending activities of governments • understand the distinction between normative and positive perspectives in the evaluation of government policy • to apply economic methods to current issues in public economics • present their research result in the form of written papers and oral presentations 	
Module contents	<ul style="list-style-type: none"> • 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. <p>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).</p> <p>Seminar: covers current issues in public economics, e.g. reform of health care or pension system.</p>	
Recommended reading	<ul style="list-style-type: none"> • Hindriks, J. and G. D. Myles (2013): Intermediate Public Economics, MIT Press, Cambridge. • Rosen, H.S. and T. Gayer (2010): Public Finance, Mcgraw-Hill Higher Education. • Blankart, C. B. (2011): Öffentliche Finanzen in der Demokratie, Vahlen, München. • Corneo, G. (2009): Öffentliche Finanzen: Ausgabenpolitik, Mohr Siebeck, Tübingen. 	
Links	http://www.fiwi.uni-oldenburg.de/	
Languages of instruction	German, English	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	30	
Reference text	The seminar will be conducted as a block seminar	
Examination	Prüfungszeiten	Type of examination
Final exam of module	end of semester	seminar paper end presentation

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture and seminar		2	SuSe	28
Seminar		2		28
Total module attendance time				56 h

wir919 - Topics in Sustainability Economics and Management I

Module label	Topics in Sustainability Economics and Management I	
Module code	wir919	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Socioeconomics 	
Responsible persons	<ul style="list-style-type: none"> • Siebenhüner, Bernd (authorised to take exams) • Sievers-Glotzbach, Stefanie (authorised to take exams) • Wolter, Hendrik (authorised to take exams) • Siebenhüner, Bernd (module responsibility) 	
Prerequisites		
Skills to be acquired in this module	<p>Learning about sustainability, economics and management in different scientific contexts.</p> <p>Understanding the complexity of sustainability, economics and management.</p> <p>Discussing topics of sustainability, economics and management with students from different scientific disciplines.</p> <p>Ability to present and evaluate different concepts of sustainability, economics and management</p>	
Module contents	<p>This module consists of two seminars (2 weekly contact hours per seminar) dealing with selected topics from the broad field of sustainability, economics and management. Out of a variety of several seminars the student can choose two most suitable seminars depending on individual choices. The seminars and the seminar contents vary each semester to provide topics relevant for current discussions within the broad field of sustainability, economics and management. Intentionally seminars from several research fields and faculties are offered to also combine different point of views and to bring students from different scientific backgrounds together. The seminars provide the possibilities for inter- and transdisciplinary exchange and discussions.</p>	
Recommended reading	Depending on the topic and content of each seminar	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	yearly	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	to be announced during the seminar	Term paper, presentation or oral exam
Type of course	Seminar	
SWS	4	
Frequency		
Workload attendance time	56 h	

wir930 - Open Module

Module label	Open Module	
Module code	wir930	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules	
Responsible persons	<ul style="list-style-type: none">• Siebenhüner, Bernd (Module counselling)• Lehrenden, Die im Modul (authorised to take exams)• Wolter, Hendrik (authorised to take exams)• Siebenhüner, Bernd (module responsibility)	
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	
Examination	Prüfungszeiten	Type of examination
Final exam of module		KL
Type of course	Seminar	
Frequency		

wir934 - Business French

Module label	Business French
Module code	wir934
Credit points	6.0 KP
Workload	180 h
Applicability of the module	

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe

- Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules

Responsible persons		
Prerequisites		
Skills to be acquired in this module		
Module contents		
Recommended reading		
Links		
Languages of instruction		
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	KL	
Type of course	Seminar	
Frequency		

wir935 - Business Spanish

Module label	Business Spanish
Module code	wir935
Credit points	6.0 KP
Workload	180 h
Applicability of the module	

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
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- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
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- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften

- Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules

Responsible persons	<ul style="list-style-type: none"> • Engelhardt, Maïke (module responsibility) • Sanchez Gonzalez, Dolores (authorised to take exams) 	
Further responsible persons	Prüfungsberechtigt sind die unterrichtenden Dozenten.	
Prerequisites	Teilnahme am Einstufungstest des Sprachenzentrums	
Skills to be acquired in this module	Sprachliche Kompetenzerweiterung im Bereich Wirtschaftsspanisch zur Vorbereitung von Studienaufenthalten oder Praktika im spanischsprachigen Ausland.	
Module contents	Vermittlung von Lese-, Hör-, Sprech- und Schreibkompetenzen in spanischer Sprache im Kontext von Wirtschaft und Umwelt	
Recommended reading	wird im Kurs bekannt gegeben	
Links	https://uol.de/sprachenzentrum/sprachen/wirtschaftssprachen	
Language of instruction	Spanish	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	25	
Reference text	folgt	
Examination	Prüfungszeiten	Type of examination
Final exam of module		KL
Type of course	Seminar	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir938 - Eco-Venturing

Module label	Eco-Venturing
Module code	wir938
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Fichter, Klaus (module responsibility)• Fichter, Klaus (Module counselling)• Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	none
Skills to be acquired in this module	<p>The aim of the 'Sustainable Venturing' module is to develop entrepreneurial skills for the development and implementation of sustainable innovations and sustainable business ideas. This includes - the ability to identify new solution requirements in the context of sustainable development and the Sustainable Development Goals set by the United Nations, - knowledge and skills for the entrepreneurial development and implementation of innovative solution approaches, - knowledge and skills for the systematic combination of economic, ecological and social objectives and - the ability to strategically develop sustainable business areas and markets. The entrepreneurial development and implementation of sustainability innovations can relate both to the founding of new companies and organisations and to the development of new solutions and business ideas within the framework of established companies and organisations (corporate venturing).</p>
Module contents	<p>Exciting, practical and at eye level with practice partners! In the module, we take on the sustainability-oriented innovation and business ideas of our practice partners (start-ups, companies, etc.) and work with them to develop innovative solutions that are intended to generate a positive ecological or social impact for major global challenges (e.g. climate change, transformation of energy systems, scarcity of resources, etc.). Tools and methods of sustainable innovation and business model development are learnt and applied in the module; the co-innovation with the practice partners is accompanied by intensive coaching from the teaching team. Learning from real practical cases (challenge-based learning) takes centre stage. Interesting insights into practice and good contacts with innovative and sustainability-orientated companies are created. Many of the ideas developed are actually implemented and generate a real positive impact. In this way, we accelerate the transformation to a sustainable and climate-neutral economy with an unusual teaching/learning format which we call challenge-based learning.</p>
Recommended reading	<p>On demand: Current literature and handouts are made available in line with the projects and the required methods and tools.</p>
Links	

Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	Immer im Wintersemester
Module capacity	25

Reference text

Exciting, practical and at eye level with practice partners! In the module, we take on the sustainability-oriented innovation and business ideas of our practice partners (start-ups, companies, etc.) and work with them to develop innovative solutions that are intended to generate a positive ecological or social impact for major global challenges (e.g. climate change, transformation of energy systems, scarcity of resources, etc.). Tools and methods of sustainable innovation and business model development are learnt and applied in the module; the co-innovation with the practice partners is accompanied by intensive coaching from the teaching team. Learning from real practical cases (challenge-based learning) takes centre stage. Interesting insights into practice and good contacts with innovative and sustainability-orientated companies are created. Many of the ideas developed are actually implemented and generate a real positive impact. In this way, we accelerate the transformation to a sustainable and climate-neutral economy with an unusual teaching/learning format which we call challenge-based learning.

Examination	Prüfungszeiten	Type of examination
Final exam of module	Project report by the end of the semester (end of March)	Project report (including a final presentation of results)

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Project-orientated module		4		56
Seminar				
Total module attendance time				56 h

wir939 - Topics in Sustainability Economics and Management II

Module label	Topics in Sustainability Economics and Management II	
Module code	wir939	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Socioeconomics 	
Responsible persons	<ul style="list-style-type: none"> • Siebenhüner, Bernd (authorised to take exams) • Sievers-Glotzbach, Stefanie (authorised to take exams) • Wolter, Hendrik (authorised to take exams) • Siebenhüner, Bernd (module responsibility) 	
Prerequisites	No	
Skills to be acquired in this module	<p>Learning about sustainability, economics and management in different scientific contexts.</p> <p>Understanding the complexity of sustainability, economics and management.</p> <p>Discussing advanced topics of sustainability, economics and management with students from different scientific disciplines.</p> <p>Ability to present and evaluate different concepts of sustainability, economics and management.</p>	
Module contents	<p>This module consists of two seminars (2 weekly contact hours per seminar) dealing with selected topics from the broad field of sustainability, economics and management. Out of a variety of several seminars the student can choose two most suitable seminars depending on individual choices. The seminars and the seminar contents vary each semester to provide topics relevant for current discussions within the broad field of sustainability, economics and management. Intentionally seminars from several research fields and faculties are offered to also combine different point of views and to bring students from different scientific backgrounds together. The seminars provide the possibilities for inter- and transdisciplinary exchange and discussions.</p>	
Recommended reading	Depending on the topic and content of each seminar	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	To be announced during the seminar	Term paper, presentation or oral exam
Type of course	Seminar	
SWS	4	
Frequency		
Workload attendance time	56 h	

wir863 - Business and Legal Chinese I

Module label	Business and Legal Chinese I	
Module code	wir863	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache • Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Wang, Hongrui (Module counselling) • Trautwein, Hans-Michael (module responsibility) 	
Prerequisites		
Skills to be acquired in this module	<p>At the end of the course, successful students:</p> <ul style="list-style-type: none"> • communicate in everyday life and work environments, • recognize and understand 200 characters and words, • understand frequently used expressions, • understand simple meanings in familiar contexts, clear instructions, standard questions and informations when pronounced slowly and clearly, • pose and answer questions in familiar contexts, • provide personal information in spoken and written form, • write about themselves in simple meanings. 	
Module contents	<p>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</p>	
Recommended reading	Textbook HANYU JIAOCHENG 1A (1st ed. 2006, continuously updated): Beijing: Beijing Language and Culture University Press.	
Links		
Languages of instruction	English , Chinese	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	last week of term	oral exam, written exam or portfolio
Type of course	Seminar	
SWS	4	
Frequency	WiSe	
Workload attendance time	56 h	

wir880 - Marine & Maritime Law

Module label	Marine & Maritime Law
Module code	wir880
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020)• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Transnational Economics and Law" (TEL) (MPO2020) more...• Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-Recht• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Master's Programme Water and Coastal Management (Master) > Planning
Responsible persons	<ul style="list-style-type: none">• Godt, Christine (module responsibility)• Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	<p>Die Studierenden</p> <ul style="list-style-type: none">• erwerben Kenntnisse des maritimen (zivilistischen) und des marinen (öffentlichen) Seerechts <p>und deren Verschränkung in den Rechtsebenen und mit dem kontinentalen Wasserrecht.</p> <ul style="list-style-type: none">• sind in der Lage, seerechtliche Fragestellungen zu analysieren und lösungsorientiert zu bearbeiten.• können Forschungsfragen interdisziplinär entwickeln und bearbeiten.
Module contents	<p>Das Modul "Marine & Maritime law in Europe" beinhaltet zwei Veranstaltungen mit jeweils 28 SWS.</p> <p>Die Veranstaltung "Marine Law" behandelt das öffentlich-rechtliche Seerecht, das die Zuordnung und Nutzung der Seeressourcen regelt (Fisch, Seewege, 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 Schiffsbau.</p>
Recommended reading	<p>Rothwell, D. (Hrsg.) (2015), <i>The Oxford Handbook of the Law of the Sea</i>, Oxford Univ. Press, Oxford.</p> <p>Jessen, H./Werner, M.J. (Hrsg.) (2016), <i>EU Maritime Transport Law</i>, Nomos [u.a.], Baden-Baden.</p> <p>Rogers, A./Chuah, J./Dockray, M. (2016), <i>Cases and Materials on the Carriage of Goods by Sea</i>, Routledge, London [u.a.].</p> <p>Zacharias, M. (2014), <i>Marine Policy. An Introduction to Governance and</i></p>

International Law of the Oceans, Routledge, London [u.a.].

Links

Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	Während der Vorlesungszeit	Referat oder Hausarbeit oder mündliche Prüfung
Type of course	Seminar	
	2 SE	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir881 - Energy Law

Module label	Energy Law
Module code	wir881
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020)• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Transnational Economics and Law" (TEL) (MPO2020)• Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-Recht• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Lehrenden, Die im Modul (authorised to take exams)• Meyerholt, Ulrich (Module counselling)• Godt, Christine (module responsibility)
Prerequisites	
Skills to be acquired in this module	<p>Die Studierenden</p> <ul style="list-style-type: none">• 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	<p>Das Modul gibt einen Überblick über das Energierahmenrecht der internationalen, der europäischen und der nationalen (vor allem deutschen) Ebene. Der Schwerpunkt liegt auf dem öffentlichen Recht; Energievertrags- und –wettbewerbsrecht werden auch behandelt. Der Erwerb grundlegender Kenntnisse im Energiewirtschaftsrecht, dem Energieumweltrecht und des europäischen Energierechts stehen im Vordergrund. Dabei soll an wirtschaftswissenschaftliche Fragestellungen angeknüpft werden und aktuelle energierechtliche Entwicklungen und Entscheidungen aufgegriffen werden.</p>
Recommended reading	<p>Brinktrine, R./Ludwigs, M./Seidel, W. (2014), Energieumweltrecht in Zeiten von Europäisierung und Energiewende, Duncker & Humblot, Berlin. Pritzsche, K.U./Vacha, V. (2017), Energierecht, C.H.Beck, München. Roggenkamp, M./ Redgwell, C./ Ronne, A. (2016), Energy Law in Europe, Oxford University Press, Oxford. Talus, K. (2016), Introduction to EU Energy Law, Oxford University Press, Oxford.</p>
Links	
Languages of instruction	German, English
Duration (semesters)	1 Semester
Module frequency	jährlich
Module capacity	unlimited

Examination	Prüfungszeiten	Type of examination
Final exam of module	Während der Vorlesungszeit	Referat oder Hausarbeit oder mündliche Prüfung
Type of course	Seminar	
	2 SE	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir883 - Transnational Biodiversity and Genetic Resources Law

Module label	Transnational Biodiversity and Genetic Resources Law
Module code	wir883
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Transnational Economics and Law" (TEL) (MPO2020)• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-Recht• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - Recht• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Kamau, Evanson Chege (Module counselling)• Lehrenden, Die im Modul (authorised to take exams)• Godt, Christine (module responsibility)
Prerequisites	<ul style="list-style-type: none">• englische Sprachkenntnisse
Skills to be acquired in this module	Die Studierenden <ul style="list-style-type: none">• verstehen internationale, europäische und nationale themenbezogene Rechtsnormen und Rechtsfragen.• wenden internationale, nationale und europäische themenbezogene Rechtsnormen an.• erlernen die englische Rechtsterminologie.
Module contents	<p>Das Modul richtet sich an Studierende, die bereits eine wissenschaftliche Vorbildung haben. Studierende sollen in das neue Recht der Forschung und Nutzung von Pflanzen eingeführt werden, das sie sowohl als angehende Wissenschaftler als auch als Mitarbeiter in der Industrie oder Verwaltung brauchen. Im Prinzip hatte bereits die Konvention über die Biologische Vielfalt (1992) den Grundsatz zum freien Zugang zu biologischen und genetischen Ressourcen völkerrechtlich aufgehoben. Durch die Umsetzung in Europa (2014) und den Ressourcenstaaten sind diese Regeln nun aber bindend geworden. Das hat weitreichende Konsequenzen für den Forschungsalltag und die Produktentwicklung. Diese neuartigen Regeln, in denen die internationale Kooperation schon zu Beginn der akademischen und kommerziellen Forschung zur Pflicht geworden ist, werden den Studierenden nahegebracht. Inhaltlich sind die folgenden Themengebiete für die Lehrveranstaltungen relevant:</p> <ul style="list-style-type: none">• 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	Kate, T.K./Liard, S. (1999), The Commercial Use of Biodiversity—Access to Genetic Resources and Benefit Sharing, Earthscan, London. Kamau, E.C./Winter, G./Stoll, P-T (2015), Research and Development on Genetic Resources, Routledge, London.	
Links	https://www.uni-oldenburg.de/eurowr/	
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	Während des Semesters	Hausarbeit oder Referat
Type of course	Seminar 2 SE	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wcm140 - Planning and Management of Coastal Zones and Sea Basins

Module label	Planning and Management of Coastal Zones and Sea Basins	
Module code	wcm140	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Planning 	
Responsible persons	<ul style="list-style-type: none"> • Mose, Ingo (authorised to take exams) • Karrasch, Leena (authorised to take exams) • Karrasch, Leena (Module counselling) • Siebenhüner, Bernd (module responsibility) • Mose, Ingo (module responsibility) 	
Prerequisites	None	
Skills to be acquired in this module	The students gain a differentiated understanding of the challenges of Coastal Zone Management in a national and European context; the questions implied therein, the stakeholders and substantial political and legal implications. At the same time they will get a first insight of selected national and international project examples while getting to know a part of their possible future field of action.	
Module contents	<p>Coastal Zone Management Basic demands and questions of Coastal Zone Management in a spatial planning perspective.</p> <p>International Approaches to Coastal Zone Management Field trip to a selected (inter)national place at the coast (Germany, The Netherlands) to show selected problem fields of Coastal Zone Management.</p>	
Recommended reading		
Links		
Language of instruction	English	
Duration (semesters)	2 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Reference text	Lecture room presentations and discussions based on slides and black/white boards. Visit of European sites representative for good practice in Coastal Zone Management; interaction and discussion with local researchers and practitioners	
Examination	Prüfungszeiten	Type of examination
Final exam of module		
Type of course	Seminar	
Frequency		

wir832 - Innovation Management

Module label	Innovation Management	
Module code	wir832	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt Führung von Unternehmen und gesellschaftliche Organisation (FUGO) (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Alavi, Sascha (module responsibility) 	
Prerequisites		
Skills to be acquired in this module	<p>In today's highly dynamic business environment, innovation is the key to the success of most firms. Moreover, technological and organizational innovations represent valuable instruments for achieving progress toward sustainable development. Against this background, this module familiarizes students with the tools and processes for managing innovation and for developing overall more innovative firms. The module comprises a lecture and a seminar. In the lecture, students become acquainted with the drivers to and role of innovation; they learn about designing innovative firms and developing innovation strategies; they get to know the different sources of innovation; they familiarize themselves with the methods for choosing between alternative planned innovations; they learn how innovation is implemented; and they understand how innovation benefits are exploited. The accompanying seminar is supposed to familiarize the students with select advanced topics surrounding the management of innovation. Moreover, the students train their skills in working in teams, in working with scientific literature, in academic writing, and in presenting in front of a large audience.</p>	
Module contents	<p>Organizational change, creative destruction, ambidexterity, exploration, exploitation, absorptive capacity, sustainability transitions, innovation models, innovation networks, innovation strategy, innovation ecosystems, diffusion of innovations, organizational routines, entrepreneurship, new ventures, etc.</p>	
Recommended reading	<p>Tidd, J. & Bessant, J. (2013). Managing innovation: Integrating technological, market and organizational change. John Wiley & Sons, Chichester, West Sussex, UK.</p> <p>Rogers, E. M. (2003). Diffusion of innovations. Free Press, NY.</p> <p>Schilling, M. (2017). Strategic management of technological innovation. McGraw-Hill Education, NY.</p> <p>Goffin, K. & Mitchell, R. (2017). Innovation management: effective strategy and implementation. Palgrave Macmillan Education, NY.</p>	
Links		
Language of instruction	German	
Duration (semesters)	1 Semester	
Module frequency		
Module capacity	unlimited	
Reference text	<p>This module is offered in the winter term. For a more detailed description of course content and organization, please note the syllabus that will be made available via Stud.IP before the beginning of the course.</p>	
Examination	Prüfungszeiten	Type of examination
Final exam of module		KL

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir934 - Business French

Module label	Business French	
Module code	wir934	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Engelhardt, Maïke (module responsibility) • Brunet-Dilger, Anne-Marie (authorised to take exams) • Müllerova, Marcela (authorised to take exams) 	
Further responsible persons	Prüfungsberechtigt sind die unterrichtenden Dozenten.	
Prerequisites	mittlere Französischkenntnisse; Teilnahme am Einstufungstest des Sprachenzentrums	
Skills to be acquired in this module	Sprachliche Kompetenzerweiterung im Bereich Wirtschaftsfranzösisch zur Vorbereitung von fachbezogenen Studienaufenthalten und Praktika im französischsprachigen Ausland	
Module contents	Vermittlung von Lese-, Hör-, Sprech- und Schreibkompetenzen in französischer Sprache im Kontext von Wirtschaft und Umwelt. Folgende Themen werden behandelt: Lernen und Studieren im französischen Bildungssystem Jobs und Praktika in der französischen Arbeitswelt Strukturen und Entwicklungsmöglichkeiten bei der Existenzgründung Konflikte zwischen Arbeitgebern und Arbeitnehmern Bewerbungsmodalitäten in Frankreich u.a.	
Recommended reading	- wird im Kurs bekannt gegeben Empfohlene Literatur: Davoine/Davoine (2002): Einführung in die französische Wirtschaftssprache. Vahlen ISBN 978-3-8006-2650-2 Jöckel (2001): Training Wirtschaftsfranzösisch. Lehr- und Übungsbuch. De Gruyter ISBN 978-3-486-25753-3 Cours de BTS comptabilité et gestion, Ed. Nathan Objectif Express 2 Nouvelle Edition, Klett Verlag (2016). Site officiel du Ministère de l'économie. Wörterbuch Recht & Wirtschaft, Doucet/Fleck 7. Auflage, Band 1 und 2, C.H. Beck, ISBN 978-3-406-66256-0 bzw. 978-3-406-59341-3	
Links	https://uol.de/sprachenzentrum/sprachen/wirtschaftssprachen	
Language of instruction	French	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	25	
Reference text	Ce cours prépare à de courts séjours spécifiques, un semestre universitaire ERASMUS+ et /ou à des stages en France. Acquérir des savoirs et savoir-faire concernant l'entreprise et son environnement (l'état et l'économie françaises, les secteurs d'activité en France et les relations sociales) ainsi que l'entreprise et son marché (marketing d'un produit)	
Examination	Prüfungszeiten	Type of examination
Final exam of module	semesterbegleitend	KL
Type of course	Language course	
SWS	4	
Frequency	WiSe	
Workload attendance time	56 h	

wir933 - Business English

Module label	Business English
Module code	wir933
Credit points	6.0 KP
Workload	180 h
Applicability of the module	

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe

Angebote Wirtschaftswissenschaften

- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache
- Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules

Responsible persons

- Engelhardt, Maïke (module responsibility)
- Dittmann, Tim (authorised to take exams)
- Barry, Geraldine (authorised to take exams)
- Bisayar, Saeedeh (authorised to take exams)

Prerequisites

Einstufung auf Niveau English for University Studies 4 (EUS 4) oder ein erfolgreicher Abschluss von English for University Studies 3 (EUS 3) - Comprehensive Language Skills

Skills to be acquired in this module

The 4-hour Rechts- und Wirtschaftssprache: Englisch I course helps participants develop subject-specific (i.e. economics and law) upper-intermediate English language competences in listening, speaking, reading and writing. An additional focus is the expansion of participants' vocabulary and grammar knowledge.

Module contents

The course covers a variety of topics, tasks and formats aimed at developing participants' subject-specific (i.e. economics and law) upper-intermediate English language competences in listening, speaking, reading and writing, as well as expanding their vocabulary and grammar knowledge.

Recommended reading

The course materials will be announced in class.

Links

<https://uol.de/sprachenzentrum/sprachen/english/wirtschaftsenglisch>

Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	25

Reference text

Teilnahme nur nach online-Anmeldung über das Sekretariat des Sprachenzentrum, sprachenzentrum@uni-oldenburg.de

Die aktuelle Kursbeschreibung findet sich jeweils unter <https://uol.de/sprachenzentrum/sprachen/english>

Examination	Prüfungszeiten	Type of examination
Final exam of module	continuous/semesterbegleitend	KL
Type of course	Language course	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir866 - Business and Legal Chinese II

Module label	Business and Legal Chinese II	
Module code	wir866	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache • Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Trautwein, Hans-Michael (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Wang, Hongrui (Module counselling) 	
Prerequisites		
Skills to be acquired in this module	<p>At the end of the course, successful students:</p> <ul style="list-style-type: none"> • recognize and read more than 400 Hanzi and understand simple letters and stories about everyday life situations, • understand simple dialogues in familiar contexts when pronounced slowly and clearly, • are familiar with Chinese intonation and can correctly reproduce it in pronunciation in simple dialogues, • provide important information and can make and react to proposals, • can identify frequently occurring radicals in Hanzi unknown to them • write the pen strokes in Chinese characters in correct sequence • write simple letters, dialogues and essays on familiar topics. 	
Module contents	<p>Thematic vocabulary concerning personal information, education, travelling, basic academic matters etc. Reading: short dialogues and texts from everyday life Listening: short dialogues, colloquial talks Speaking: self-presentation and descriptions Writing: letters, dialogues and essays Self-learning: work with the portfolio, individual training</p>	
Recommended reading	<p>Textbook HANYU JIAOCHENG 1A and 1B (1st ed. 2006, continuously updated): Beijing: Beijing Language and Culture University Press.</p>	
Links		
Languages of instruction	English , Chinese	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	last week of term	oral exam or written exam or portfolio
Type of course	Seminar	
SWS	4	
Frequency		
Workload attendance time	56 h	

wir943 - Legal and Business Language: English II

Module label	Legal and Business Language: English II
Module code	wir943
Credit points	6.0 KP
Workload	180 h

Applicability of the module

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe

- Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache
 - Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules

Responsible persons

- Engelhardt, Maike (module responsibility)
- Dittmann, Tim (authorised to take exams)
- Barry, Geraldine (authorised to take exams)
- Bisayar, Saeedeh (authorised to take exams)

Prerequisites

Einstufung auf Niveau English for University Studies 5 (EUS 5)

Skills to be acquired in this module

The 4-hour Rechts- und Wirtschaftssprache: Englisch 2 course helps participants develop subject-specific (i.e. economics and law) advanced English language competences in listening, speaking, reading and writing. An additional focus is the expansion of participants' vocabulary and grammar knowledge.

Module contents

The course covers a variety of topics, tasks and formats aimed at developing participants' subject-specific (i.e. economics and law) advanced English language competences in listening, speaking, reading and writing, as well as expanding their vocabulary and grammar knowledge.

Recommended reading

The course materials will be announced in class.

Links

<https://uol.de/sprachenzentrum/sprachen/english/wirtschaftsenglisch>

Language of instruction

English

Duration (semesters)

1 Semester

Module frequency

halbjährlich

Module capacity

25

Reference text

Teilnahme nur nach online-Anmeldung über das Sekretariat des Sprachenzentrum, sprachenzentrum@uni-oldenburg.de

Die aktuelle Kursbeschreibung findet sich jeweils unter <https://uol.de/sprachenzentrum/sprachen/english>

Examination	Prüfungszeiten	Type of examination
Final exam of module	continuous/semesterbegleitend	KL
Type of course	Language course	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir944 - Legal and Business Language: French II

Module label	Legal and Business Language: French II
Module code	wir944
Credit points	6.0 KP
Workload	180 h
Applicability of the module	

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
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- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe

	<p>Angebote Wirtschaftswissenschaften</p> <ul style="list-style-type: none"> • Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre • Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften • Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none"> • Engelhardt, Maïke (module responsibility) • Brunet-Dilger, Anne-Marie (authorised to take exams) • Müllerova, Marcela (authorised to take exams)
Further responsible persons	Prüfungsberechtigt sind die unterrichtenden Dozenten.
Prerequisites	gute bis sehr gute Französischkenntnisse; Teilnahme am Einstufungstest des Sprachenzentrums
Skills to be acquired in this module	Sprachliche Kompetenzvertiefung im Bereich Wirtschaftsfranzösisch zur Vorbereitung von längeren fachbezogenen Studien- und Forschungsaufenthalten sowie Praktika oder Berufsaufnahme im französischsprachigen Ausland. Dieses Modul richtet sich vor allem an Studierende von deutsch-französischen Doppelbachelorprogrammen.
Module contents	Vermittlung von Lese-, Hör-, Sprech- und Schreibkompetenzen in französischer Sprache im Kontext von Wirtschaft und Umwelt. Folgende Themen werden behandelt: Mechanismen der globalen Wirtschaft Stärken und Schwächen der französischen Wirtschaft Strategien wie Produktionsverlagerung, Fusionen etc Grundlagen der Volkswirtschaft Wirtschaft und Umwelt
Recommended reading	- wird im Kurs bekannt gegeben Empfohlene Literatur: Davoine/Davoine (2002): Einführung in die französische Wirtschaftssprache. Vahlen ISBN 978-3-8006-2650-2 Jöckel (2001): Training Wirtschaftsfranzösisch. Lehr- und Übungsbuch. De Gruyter ISBN 978-3-486-25753-3 Wörterbuch Recht & Wirtschaft, Doucet/Fleck 7. Auflage, Band 1 und 2, C.H. Beck, ISBN 978-3-406-66256-0 bzw. 978-3-406-59341-3
Links	https://uol.de/sprachenzentrum/sprachen/wirtschaftssprachen
Language of instruction	French
Duration (semesters)	1 Semester
Module frequency	halbjährlich
Module capacity	25
Reference text	Ce cours prépare à des séjours d'études ou de recherche de longue durée , à des stages qualifiés en France et/ou en Francophonie. Il s'adresse tout particulièrement aux étudiant(e)s des programmes de double diplômes franco-allemand (Bachelor et master), qui dans le cadre de leurs études ou/et

D'ERASMUS+ devront pendant leur séjour communiquer uniquement en Français et/ou souhaitent après leurs études travailler en France, en Francophonie ou dans des organisations internationales.

Examination	Prüfungszeiten	Type of examination
Final exam of module	semesterbegleitend	KL
Type of course	Language course	
SWS	4	
Frequency	SuSe	
Workload attendance time	56 h	

wir945 - Legal and Business Language: Spanish II

Module label	Legal and Business Language: Spanish II
Module code	wir945
Credit points	6.0 KP
Workload	180 h
Applicability of the module	

- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Business Administration and Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre more...
- Bachelor's Programme Business Informatics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Comparative and European Law (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Engineering Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Environmental Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Intercultural Education and Counselling (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Physics, Engineering and Medicine (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Bachelor's Programme Sustainability Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre

- Dual-Subject Bachelor's Programme Art and Media (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Biology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Chemistry (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Computing Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Dutch Linguistics and Literary Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economic Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Economics and Business Administration (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Elementary Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme English Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Gender Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme General Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme German Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme History (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-subject bachelor's programme Low German (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Material Culture: Textiles (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Mathematics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Music (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Philosophy / Values and Norms (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
- Dual-Subject Bachelor's Programme Physics (Bachelor) > Fachnahe

- Angebote Wirtschaftswissenschaften
- Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Politics-Economics (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Protestant Theology and Religious Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Slavic Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Social Studies (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Special Needs Education (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Sport Science (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Dual-Subject Bachelor's Programme Technology (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Betriebswirtschaftslehre
 - Fach-Bachelor Pädagogisches Handeln in der Migrationsgesellschaft (Bachelor) > Fachnahe Angebote Wirtschaftswissenschaften
 - Master's programme Business Administration: Management and Law (Master) > Ergänzungsmodule - Rechts- und Wirtschaftssprache
 - Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules

Responsible persons	• Engelhardt, Maike (module responsibility)	
Prerequisites	Teilnahme nur nach Einstufungstest und online-Anmeldung über StudIP (Einzelheiten siehe https://www.uni-oldenburg.de/sprachenzentrum/)	
Skills to be acquired in this module	Vermittlung von Lese-, Hör-, Sprech- und Schreibkompetenzen in spanischer Sprache im Kontext von Wirtschaft und Umwelt.	
Module contents	Vermittlung von Lese-, Hör-, Sprech- und Schreibkompetenzen in spanischer Sprache im Kontext von Wirtschaft und Umwelt.	
Recommended reading	wird im Kurs bekannt gegeben	
Links	https://uol.de/sprachenzentrum/sprachen/wirtschaftssprachen	
Language of instruction	Spanish	
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	25	
Reference text	folgt	
Examination	Prüfungszeiten	Type of examination
Final exam of module	semesterbegleitend	KL
Type of course	Language course	
SWS	4	
Frequency	SuSe	
Workload attendance time	56 h	

wir873 - Applied Economics

Module label	Applied Economics			
Module code	wir873			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Bitzer, Jürgen (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 			
Prerequisites				
Skills to be acquired in this module	<p>The students are able to:</p> <ul style="list-style-type: none"> - develop an empirical research project, - collect the required data, - carry out an econometric analysis, - interpret, discuss and present the results. 			
Module contents	<p>The module consists of a lecture and a seminar. In the lecture, the students develop their research project and present their work process. In the bloc seminar, the students present their results and discuss them.</p>			
Recommended reading				
Links				
Languages of instruction	German, English			
Duration (semesters)	1 Semester			
Module frequency	jährlich			
Module capacity	unlimited			
Reference text	<p>Dieses Modul besteht aus einer Vorlesung und einem Seminar. Beide Veranstaltungen werden in englischer Sprache angeboten. Sollten keine Austauschstudenten teilnehmen, kann auf Wunsch der StudentInnen die Veranstaltung auch in Deutsch abgehalten werden. Die Präsentation von Referaten im Seminar ist in Ausnahmefällen auch in deutscher Sprache möglich.</p>			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	vary according to type of examination	term paper or seminar paper and presentation or written exam or oral exam or portfolio or project paper		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Seminar		2		28
Total module attendance time				56 h

wir886 - Digital Transformation: Strategies and Sustainability

Module label	Digital Transformation: Strategies and Sustainability
Module code	wir886
Credit points	6.0 KP
Workload	180 h (4 SWS (56h))
Applicability of the module	<ul style="list-style-type: none">• Master Applied Economics and Data Science (Master) > Specialization• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt Führung von Unternehmen und gesellschaftliche Organisation (FUGO) (MPO2020)• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Lehrenden, Die im Modul (authorised to take exams)• Hoppmann, Jörn (module responsibility)
Prerequisites	
Skills to be acquired in this module	<p>The students should:</p> <ul style="list-style-type: none">• know basic definitions, trends and application areas of digitalization• be able to assess the economic effects of digitalization• understand corporate strategies and business models in the context of digital transformation• know how companies should design processes and structures to promote digitalization in organizations• have an overview of social, legal and ethical aspects of digitalization• assess the environmental impact of digitalization• evaluate digital products, services and business models using ethical and sustainable guidelines• independently develop proposals for the integration of ethical, social and ecological criteria in digitalization projects and processes
Module contents	<p>The module "Digital Strategy and Sustainability" provides insights into the role digitalization for companies and the associated social discourse. The digital transformation leads to the emergence of new business models, markets and forms of interaction. This requires comprehensive changes in strategic orientation as well as in business processes and structures. In addition, new regulations and standards are required at the societal level in order to meet the ethical, ecological, and societal challenges posed by digitization.</p> <p>In the first part of the seminar, students are familiarized with the basics and application areas of digitalization as well as the economic, social, and ecological implications. Toward this end, important questions in the context of digital transformation will be raised and discussed drawing on company case studies. Exemplary questions that will be dealt with in this context are</p> <ul style="list-style-type: none">• What are the technological drivers of digitalization and what trends can be observed?• What is the impact of digital transformation on industries and companies?• How can companies design strategies, business models, processes and structures to address the digital transformation?• What are the consequences of digitalization on a societal and legal level?• How does the digital transformation affect the natural environment?• How can social, ethical, and ecological aspects be integrated into digital products, services and business models? <p>In the second part of the course, students will develop digital business models in teams under the guidance of experienced coaches, taking into account economic, ecological and social/ethical criteria. The results are presented to the other students and company representatives and will be summarized in a term paper. An important part of the term paper is the critical reflection of current methods used to develop digital business models with regard to sustainability criteria.</p>

Recommended reading

Platform Revolution: How Networked Markets Are Transforming the Economy – and How to Make Them Work for You | Geoffrey G. Parker, Marshall W. van Alstyne, Sangeet Paul Choudary | ISBN: 9780393249132
 Machine, Platform, Crowd: Harnessing Our Digital Future | Andrew McAfee, Erik Brynjolfsson | ISBN-13: 978-0393254297

Links

Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Annually			
Module capacity	40			
Reference text	Das Modul sollte im 2. Semester besucht werden.			
Type of module	Wahlpflicht / Elective			
Module level	EB (Ergänzungsbereich / Complementary)			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	Submission at the end of the semester		Assignment	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Exercises		2	SuSe or WiSe	28
Total module attendance time				56 h

wir890 - Climate Economics

Module label	Climate Economics			
Module code	wir890			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Böhringer, Christoph (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Riesenbeck, Lukas (Module counselling) 			
Prerequisites				
Skills to be acquired in this module	<p>This course aims at giving students an understanding of reasons, objectives and economic instruments for climate policy. Students first get acquainted with the natural science of the climate where anthropogenic greenhouse gas emissions constitute the source of man-made climate change. The latter is then explained from an economic perspective as a global environmental externality calling for environmental regulation to avoid substantial market failures. Game theoretic analysis of international negotiations and agreements provides key insights about the fundamental problems of free-riding and efficient climate policy design. Beyond theoretical propositions, 15 the lecture will critically discuss past and contemporary climate policies such as the Kyoto Protocol, the Paris Agreement, or the EU Emissions Trading System</p>			
Module contents	<p>atural science of climate change; environmental externalities and market failures; environmental regulation (emission taxes, standards, tradable permits, etc.); international environmental agreements; critical appraisal of climate policy implementation.</p>			
Recommended reading	<p>Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray. Natural Resource and Environmental Economics. Addison Wesley. 2011 (4th edition).</p> <p>Daniel J. Phaneuf and Till Requate. A Course in Environmental Economics: Theory, Policy, and Practice. Cambridge University Press, 2016.</p>			
Links				
Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Annual			
Module capacity	30			
Previous knowledge	Microeconomics			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	At the end of the lecture period	Written exam (max. 120min)		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir892 - Computational Economics

Module label	Computational Economics			
Module code	wir892			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Empirical Methods • Master's programme Social Sciences (Master) > Wahlpflichtmodule anderer Institute und Departments • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Böhringer, Christoph (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Riesenbeck, Lukas (Module counselling) • Schürer, Laura (Module counselling) 			
Prerequisites	None			
Skills to be acquired in this module	<p>Computer-based simulations play a key role for quantifying the economic impacts of policy reforms. Among numerical simulation methods, computable partial equilibrium (CPE) models are widely used in applied economic analysis. These models build on microeconomic theory for describing supply and demand behavior of economic agents on markets. Students will learn how to program such models and apply them to the impact assessment of trade, fiscal, or environmental policies.</p>			
Module contents	<p>In the course, we start from basic microeconomic theory to describe the supply-side and demand-side responses on economic markets triggered by regulatory policy measures such as taxes or subsidies. We then translate simple theoretical models into computable partial equilibrium (CPE) models and use empirical data for model parametrization. Subsequently, the CPE models are used to quantify the economic efficiency impacts and the economic incidence of policy instruments such as taxes, subsidies, standards or quotas. For the implementation of the simulation models on the students' PC we will learn a powerful state-of-the-art modeling language called GAMS (Generic Algebraic Modeling System) which initially had been developed for World Bank economists. The fundamental strength of GAMS lies in the ease with which algebraic models in economics and management (or other sciences) can be formulated and solved. Students enrolled to the course will receive a free GAMS license. For the examination, the students will be requested to adapt a basic market model towards a policy issue of their choice and provide a small written essay (max. 10 pages) on their applied analysis. For this, the students can team up in groups with 2 people and hand in their essay until the end of the summer semester.</p>			
Recommended reading	Tba			
Links				
Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Annual			
Module capacity	14			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	At the end of the lecture period	Portfolio		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir893 - Development Economics

Module label	Development Economics			
Module code	wir893			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Bitzer, Jürgen (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Bitzer, Jürgen (Module counselling) 			
Prerequisites				
Skills to be acquired in this module	<p>The students are able:</p> <ul style="list-style-type: none"> • to identify and discuss empirical challenges in research on developing countries • to understand, summarize, and discuss recent research studies in development economics • evaluate strategies to reach sustainable economic development discussed in the public and politics • participate in a discussion on the topic, developing a well-grounded position and problem solving strategy • to present current research to and discuss it verbally and in written form • to identify gaps in the literature on developing countries 			
Module contents	<p>The module introduces the students to the current challenges of developing countries and the strategies to overcome them. The module will focus on the empirical research on developing countries, addressing the reasons for the sluggish development as well as the applied approaches to foster economic development. In the lecture the empirical methods used in development economics will be discussed. In the seminar current research papers on topics like poverty, conflicts, foreign aid, health, human capital and institutions in developing countries will be discussed.</p>			
Recommended reading	<p>Michael P. Todaro and Stephen C. Smith (2014): Economic Development, 12th Edition, Pearson: New York.</p> <p>Söderbom, Måns , Francis Teal, Markus Eberhardt, Simon Quinn and Andrew Zeitlin (2015): Empirical Development Economics, Routledge: New York.</p>			
Links				
Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Yearly			
Module capacity	unlimited			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	At the end of the lecture period	Formal presentation with written elaboration and discussion		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir911 - Advanced Topics of Sustainability Economics

Module label	Advanced Topics of Sustainability Economics			
Module code	wir911			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> kein Abschluss European Studies in Global Perspectives > Society, Economy and Politics Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-VWL Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Volkswirtschaftslehre" (VWL) (MPO2020) Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-VWL Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> Böhringer, Christoph (module responsibility) Siebenhüner, Bernd (module responsibility) Lehrenden, Die im Modul (authorised to take exams) Riesenbeck, Lukas (Module counselling) 			
Prerequisites	none			
Skills to be acquired in this module	<p>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).</p>			
Module contents	<p>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.</p>			
Recommended reading	Perman et al (2003), Natural resource and Environmental Economics, Pearson, 3rd edition or Perman et al (2011), Natural resource and Environmental Economics, Pearson, 4th edition			
Links				
Languages of instruction	German, English			
Duration (semesters)	1 Semester			
Module frequency	halbjährlich			
Module capacity	unlimited			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	end of semester	written exam		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2		28
Exercises		2		28
Seminar				
Total module attendance time				56 h

wir923 - Advanced Research Topics in Sustainable Supply Chain Management

Module label	Advanced Research Topics in Sustainable Supply Chain Management	
Module code	wir923	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Busse, Christian (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Dahiya, Satwant (Module counselling) 	
Prerequisites	Erfolgreiche Belegung des Moduls "Sustainable Supply Chain Management" (wir921)	
Skills to be acquired in this module	The module helps students to specialize in research in the field of sustainable supply chain management by developing their substantive and theoretical expertise and by augmenting their methodological expertise. Students hone their skills in gathering, reading, understanding, and synthesizing scholarly articles using different methods. They may also practice their data collection and data analysis skills. Moreover, students further develop their academic writing, reviewing, presentation, and discussion skills.	
Module contents	This masters-level module focuses on selected topics pertaining to the relationship perspective of sustainable supply chain management, comprising topics such as Stakeholder Management; Legitimacy, Decoupling & Greenwashing; Supply Chain Sustainability Risks; Sustainable Supplier Management; and Supply Chain Sustainability Dilemmas.	
Recommended reading	Selected scholarly research articles will be used throughout the module.	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	Irregular frequency	
Module capacity	15	
Examination	Prüfungszeiten	Type of examination
Final exam of module		Portfolio or Report or Presentation (depending on the specific courses offered)
Type of course	Seminar	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

wir924 - Ecological Economics

Module label	Ecological Economics	
Module code	wir924	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules • Master's Programme Water and Coastal Management (Master) > Socioeconomics 	
Responsible persons	<ul style="list-style-type: none"> • Sievers-Glotzbach, Stefanie (module responsibility) • Siebenhüner, Bernd (module responsibility) • Lehrenden, Die im Modul (Module counselling) • Lehrenden, Die im Modul (authorised to take exams) 	
Prerequisites	None	
Skills to be acquired in this module	<p>The students:</p> <ul style="list-style-type: none"> -get an overview of the current state of research in Ecological Economics -know and understand core concepts and policy implications of Ecological Economics -deepen their knowledge on one specific topic from the field of Ecological Economics -improve skills in reading, interpreting and presenting academic journal papers 	
Module contents	<p>Ecological Economics is concerned with integrating the study and management of "nature's household" (ecology) and "humankind's household" (economics). This integration is central to many of humanity's current problems and to governing economic activity in a way that promotes human well-being, sustainability, and justice.</p> <p>The aim of this module is to introduce students to core concepts and policy implications from the field of Ecological Economics. The module consists of two seminars.</p> <p>-Lecture/seminar "Ecological Economics": This lecture/seminar is structured into three parts. First, students are being introduced to the topic by two lectures on the specific vision and paradigms of Ecological Economics as distinguished from environmental & resource economics and on the history of Ecological Economics. Second, the students work out and discuss the core analytical concepts (such as entropy, ecosystem services, social-ecological resilience, substitutability of natural capital) as well as the core normative concepts (including distributive justice, human behavior) in Ecological Economics. Third, the students discuss and reflect certain policy implications following from Ecological Economics – specifically the measurement of welfare, economics of degrowth, governance of resources as commons, and social-ecological transformation. The basis for discussion will be classical and current scientific papers.</p> <p>-Specialization seminar: Depending on current research foci and research projects of the Working Group of Ecological Economics, an additional seminar will give a deeper understanding of a specific research area in Ecological Economics (e.g., Social-Ecological Resilience, (De)Growth Concepts (Green Growth, Postgrowth, Degrowth), Commons).</p>	
Recommended reading	<p>Costanza, R. (2001). Visions, Values, Valuation, and the Need for an Ecological Economics. <i>BioScience</i>, 51(6), 459-468.</p> <p>Daly, H. E. (2005). Economics in a full world. <i>Scientific American</i>, 293(3), 100-107.</p> <p>Røpke, I. (2004). The early history of modern ecological economics. <i>Ecological Economics</i> 50: 293-314.</p> <p>Røpke, I. (2005). Trends in the development of ecological economics from the late 1980s to the early 2000s. <i>Ecological Economics</i> 55: 262-290.</p>	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	Yearly in the summer term	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module		1 Hausarbeit oder

Examination	Prüfungszeiten	Type of examination		
		1 Referat oder 1 Klausur oder 1 mündliche Prüfung oder 1 Portfolio oder 1 Projektbericht		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir925 - Innovations for Sustainable Operations

Module label	Innovations for Sustainable Operations	
Module code	wir925	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 	
Responsible persons	<ul style="list-style-type: none"> • Busse, Christian (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Dahiya, Satwant (Module counselling) 	
Prerequisites	Erfolgreiche Belegung mindestens eines der Module „Sustainable Supply Chain Management“ (wir921), „Supply Chain Management“ (wir899), „Operations Management“ (wir896) und „Innovation Management“ (wir832)	
Skills to be acquired in this module	Students become acquainted with emergent innovations for sustainable operations, they evaluate such innovations and (co-)design others. They learn to evaluate their actual or conjectured economic, social and/or ecologic effectiveness, drawing on the design science framework and/or theoretical discourses in the field	
Module contents	The module helps students to specialize on the intersection of operations and supply chain management, sustainability management, and innovation management. The specific topics align closely with the most up-to-date applied research topics.	
Recommended reading	Selected scholarly research articles will be used throughout the module	
Links		
Languages of instruction	German, English	
Duration (semesters)	1 Semester	
Module frequency	Irregular frequency	
Module capacity	15	
Examination	Prüfungszeiten	Type of examination
Final exam of module		Portfolio or Report or Presentation (depending on the specific courses offered)
Type of course	Seminar	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

mar363 - Theory of Ecological Communities

Module label	Theory of Ecological Communities
Module code	mar363
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Marine Environmental Sciences (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none"> • Blasius, Bernd (module responsibility)
Prerequisites	
Skills to be acquired in this module	

VLÜ Theorie ökologischer Gemeinschaften

Vermittlung der grundlegenden Theoriegebäude zur Beschreibung von Koexistenz und Biodiversität in ökologischen Lebensgemeinschaften. Die Studierenden erlangen ein intuitives und mathematisches Verständnis der verschiedenen Koexistenzmechanismen und sind in der Lage, aufbauend auf diesen Theorien eigene Modellerweiterungen zu entwickeln und diese numerisch zu analysieren.

Module contents

VLÜ Theorie ökologischer Gemeinschaften

Grundlegende theoretische Modelle zur Beschreibung des Artenreichtums in ökologischen Gemeinschaften.

Inhalt: Biodiversitätsindizes, Lotka-Volterra Modelle, Invasionsanalyse, ressourcenbasierte Konkurrenz, MacArthur-Levins Modell zur Konkurrenz auf einem Umweltgradienten, Inselbiogeographie und neutrale Theorie der Biodiversität.

Recommended reading

Wird in den Veranstaltungen bekannt gegeben.

Links

Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	jährlich
Module capacity	unlimited

Examination	Prüfungszeiten	Type of examination
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Final exam of module

Klausur am Ende der Veranstaltungszeit oder fachpraktische Übung oder mündliche Prüfung nach Maßgabe der Dozentin oder des Dozenten.

1 benotete Prüfungsleistung

Klausur oder fachpraktische Übung oder mündliche Prüfung

Aktive Teilnahme

Aktive Teilnahme umfasst z.B. die regelmäßige Abgabe von Übungen, Anfertigung von Lösungen zu Übungsaufgaben, die Protokollierung der jeweils durchgeführten Versuche bzw. der praktischen Arbeiten, die Diskussion von Seminarbeiträgen oder Darstellungen von Aufgaben bzw. Inhalten in der Lehrveranstaltung in Form von Kurzberichten oder Kurzreferat. Die Festlegung hierzu erfolgt durch den Lehrenden zu Beginn des Semesters bzw. zu Beginn der Veranstaltung.

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe	28
Exercises		2	SuSe	28
Total module attendance time				56 h

mar368 - Climate Models

Module label	Climate Models
Module code	mar368
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Marine Environmental Sciences (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Lettmann, Karsten (module responsibility)
Prerequisites	
Skills to be acquired in this module	

Im Rahmen dieser Veranstaltung werden grundlegende naturwissenschaftlich-mathematische sowie technische Fachkenntnisse im Rahmen der Klimamodellierung erworben. Dies beinhaltet u.a. verschiedene numerische Verfahren zur Lösung der für Klimamodelle wichtigen Transport-Reaktionsgleichung. Weiterhin werden an einfachen Energie-Bilanzmodellen (wie z.B. Daisy World) diese numerische Methoden, sowie das Algorithmieren und Programmieren mit MATLAB eingeübt. Am Beispiel eines Klimamodells mittlerer Komplexität (EMIC) werden die Grundlagen und verschiedenen Ansätze zur Ausgestaltung der Teilmodule eines Klimamodells behandelt (z.B. Eismodelle, Atmosphärenmodelle, Vegetationsmodelle, Strahlungsmodelle, Ozeanmodelle, Bodenmodelle etc.) Es werden weiterhin einige technische und statistische Aspekte im Arbeiten mit und Auswerten von Klimamodellen vorgestellt. Im Rahmen eines Abschlussprojektes, das das oben genannte EMIC verwendet, werden die Studierenden sowohl zur Teamfähigkeit als auch zum Umgang mit wissenschaftlicher Primärliteratur angeleitet. Im Rahmen der Abschlusspräsentation lernen die Studenten das Darstellen und das Diskutieren ihrer Ergebnisse.

Fachkompetenzen

Die Studierenden:

- kennen und verstehen die grundlegenden partiellen Differentialgleichungen und mathematischen Ansätze, die den wichtigsten Teilmodulen eines Klimamodells zu Grunde liegen
- erwerben ein Grundverständnis über die Teilsysteme des Klimasystems, deren Interaktion sowie deren Modellierung
- können die Transport-Reaktionsgleichung mit verschiedenen numerischen Ansätzen lösen und in MATLAB implementieren
- können Remote-Rechner mit passenden Werkzeugen bedienen, was als Vorbereitung auf die Arbeit mit Höchstleistungscomputern in entfernten Rechenzentren gesehen werden kann
- kennen grundlegende statistische Ansätze, um die Ausgabe von Klimamodellen zu bewerten und einzuordnen

Methodenkompetenzen

Die Studierenden:

- können einführende Methoden der numerischen Mathematik anwenden, um die grundlegenden mathematischen Gleichungen und Ansätze in Computercode (hier MATLAB) zu implementieren
- kennen einführende UNIX/Linux Grundlagen, um sich auf Remote-Systemen ausreichend sicher zu bewegen und Simulationen auf diesen zu starten und zu überwachen.
- kennen erste Werkzeuge und Methoden, um die Ausgabendateien der Klimamodelle im Netcdf-Format zu lesen und der weiteren Auswertung zuzuführen

Sozialkompetenzen

Die Studierenden:

- lösen die Probleme und Anwendungsaufgaben u.a. in Kleingruppen
- präsentieren ihre Lösungen der Probleme öffentlich im Rahmen der Übungen

Selbstkompetenzen

Die Studierenden:

- reflektieren ihre Lösungen u.a. während der Präsentation und im öffentlichen Diskussionsprozess
- lernen fachliche Hürden und persönliche Unzulänglichkeiten auszuhalten und durch eigene Anstrengungen zu überwinden

Module contents

VL Klimamodelle:

Einführung in die Theorie und Bedienung komplexerer Klimamodelle, Vermittlung mathematischer und physikalischer Grundlagen zum Verständnis der modellierten Prozesse und deren Implementierung in die Modelle, Einführung in statistische Bewertungsmaße von Klimamodellen, Programmierung einfacher Energie-Bilanz-Modelle, Umgang mit Klimamodellen mittlerer Komplexität (z.B. Planetsimulator), Simulation und Auswertung zukünftiger Treibhausgasemissions-szenarien.

Ü Klimamodelle:

Vertiefung der Inhalte der zugehörigen VL sowie praktische Übungen

Recommended reading

K.E. Trenberth, Climate System Modelling, 1993, Cambridge University Press
J. Marshall, R. A. Plumb, Atmosphere, Ocean, and Climate Dynamics: An Introductory Text, 2007, Academic Press
K. McGuffie, A. Henderson-Sellers, The Climate Modelling Primer, 2014, John Wiley & Sons

Links

Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	jährlich
Module capacity	unlimited

Examination	Prüfungszeiten	Type of examination
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Final exam of module

Klausur / mündliche Prüfung am Ende der Veranstaltungszeit, nach Bekanntgabe durch die Dozenten.

1 benotete Prüfungsleistung

Klausur oder mündliche Prüfung

Aktive Teilnahme

Aktive Teilnahme umfasst z.B. die regelmäßige Abgabe von Übungen, Anfertigung von Lösungen zu Übungsaufgaben, die Protokollierung der jeweils durchgeführten Versuche bzw. der praktischen Arbeiten, die Diskussion von Seminarbeiträgen oder Darstellungen von Aufgaben bzw. Inhalten in der Lehrveranstaltung in Form von Kurzberichten oder Kurzreferat. Die Festlegung hierzu erfolgt durch den Lehrenden zu Beginn des Semesters bzw. zu Beginn der Veranstaltung.

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Exercises		2	SuSe	28

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe	28
Total module attendance time				56 h

phy641 - Energy Resources & Systems

Module label	Energy Resources & Systems
Module code	phy641
Credit points	6.0 KP
Workload	180 h (Attendance: 56 hrs, Self-study: 124 hrs)
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Engineering Physics (Master) > Schwerpunkt: Renewable Energies• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme European Master in Renewable Energy (EUREC) (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Agert, Carsten (module responsibility)• Knipper, Martin (module responsibility)• Knipper, Martin (authorised to take exams)• Torio, Herena (authorised to take exams)• Schmidt, Thomas (authorised to take exams)• Steinfeld, Gerald (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	After successful completion of the module students should be able to: <ul style="list-style-type: none">• characterize the global energy system and analyze the structure and constraints of today's energy system,• explain the availability and connection between solar and wind energy,• identify the problems and challenges of energy supply due to fluctuating energy resources with varying and seasonal load profiles,• relate the solar irradiance conversion process as well as the atmospheric radiation balance of the earth to Wind Energy Meteorology.
Module contents	<p>This module will give an overview on the global energy system and the challenges of energy supply due to fluctuating energy resources with varying and seasonal load profiles.</p> <p>Energy Meteorology (Lecture - 90 h workload)</p> <p>Section I: Solar Irradiance</p> <ul style="list-style-type: none">• Radiation laws,• Solar geometry,• Interaction of solar irradiance with the atmosphere,• Radiation climatology,• Solar radiation model,• Statistical properties of solar irradiance,• Measuring devices to ascertain solar radiation balance,• Satellite-supported data acquisition to assess solar irradiance, <p>Section II: Wind Flow</p> <ul style="list-style-type: none">• Origin and potential of atmospheric energy movements, Heat balance of the atmosphere,• Physical laws of atmospheric flow,• Wind circulation in the atmosphere, local winds,• Wind flow in atmospheric layers (vertical structure, Ekman Layer),• Assessment of wind potential (European Wind Atlas: model, concept,• Wind Measurements, <p>Energy Systems (Lecture - 90 h workload)</p> <ul style="list-style-type: none">• Definitions, separation electrical - thermal energy use,• Resources and reserves,• Energy system analysis: Efficiencies at various levels of the energy chain; Exergy analysis,• Energy scenarios,

- Climate change,
- Advanced (power plant) technologies for conventional fuels,
- Electric power systems with large shares of renewables

Recommended reading

Energy Meteorology:

- IEA World Energy Outlook (<http://wordenergyoutlook.org/>)
- Iqbal, M. 1984: An Introduction to Solar Radiation, Academic Press, Toronto
- Liou, K.-N. 2002: An Introduction to Atmospheric Radiation, Academic Press: 2nd edition, Page 2 of 39
- Peixoto, J.P. and Oort A.H. 2007: Physics of Climate Book, Surge Publishing
- Rasmussen, B. 1988: Wind Energy, 2, Routledge: 1st edition
- Sathyajith, M. 2006: Wind energy: fundamentals, resource analysis and economics, Springer
- Stull, R.B. 1988: An Introduction to Boundary Layer Meteorology, Springer 1st edition

Energy Systems:

- Ramage, J.: Energy: A Guide Book (Oxford University Press, 1997)
- Boyle, G. et al. (Eds.): Energy Systems and Sustainability (Oxford University Press, 2003)
- Blok, K.: Introduction to Energy Analysis (Technische Universiteit Delft, 2007)
- Houghton, J.: Global Warming: The Complete Briefing, 5th Ed. (Cambridge University Press, 2015)
- UNDP (Ed.): World Energy Assessment: Energy and the Challenge of Sustainability (2000/2004), <http://www.undp.org/energy/weapub2000.htm>
- GEA: Global Energy Assessment { Toward a Sustainable Future (Cambridge University Press and International Institute for Applied System Analysis, Laxenburg, 2012), www.iiasa.ac.at/web/home/research/Flagship-Projects/Global-Energy-Assessment/Chapters_Home.en.html - Goldemberg, J. et al.: Energy for a Sustainable World (Wiley Eastern, 1988)
- Nakicenovic, N., A. Grübler and A. McDonald (Eds.): Global Energy Perspectives (Cambridge University Press, Cambridge, 1998) - Khartchenko, N.V.: Advanced Energy Systems (Taylor and Francis, 1998)
- IEA (International Energy Agency): World Energy Statistics and Balances 2015 - BP: Statistical Review of World Energy 2016 (<http://www.bp.com/en/global/corporate/energy-economics.html>)
- EIA: International Energy Outlook 2016 (www.eia.doe.gov/forecasts/ieo/)
- United Nations: 2013 Energy Statistics Yearbook (2016) (unstats.un.org/unsd/energy/yearbook/)

Links

Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	Winter semester	
Module capacity	unlimited	
Type of module	Pflicht / Mandatory	
Module level	MM (Mastermodul / Master module)	
Teaching/Learning method	Lectures, Exercises	
Examination	Prüfungszeiten	Type of examination
Final exam of module	At the end of the lecture period	2 Written Exams (max 90 min each)
Type of course	Lecture	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

pre022 - Solar Energy

Module label	Solar Energy
Module code	pre022
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Engineering Physics (Master) > Schwerpunkt: Renewable Energies• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Agert, Carsten (module responsibility)• Torio, Herena (module responsibility)• Gütay, Levent (authorised to take exams)• Knipper, Martin (authorised to take exams)• Torio, Herena (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	

After successful completion of the module students should be able to:

- understand, describe and compare major technologies for solar energy use: solar thermal and photovoltaic systems
- analyse various system components and their interconnections within a solar energy system.
- critically appraise and assess various technologies for solar energy use and components involved in such solar systems.
- size and evaluate the performance of solar systems as a function of their operation conditions, components and system layout
- critically evaluate non-technical impact and side effects when implementing renewable energy supply systems

Module contents

This module gives an overview on renewable energy heat and photovoltaic technologies. Main focus hereby are the scientific principles of components and their technical description as well as first suitable system performance assessment methods.

Photovoltaics (Lecture: 90 h workload)

- Basic and most important properties of solar radiation related to photovoltaics
- PV cells basics: Fundamental physical processes in photovoltaic materials
- Characterization and basic modelling of solar cells
- Component Description: PV generator; Charge controller; Inverter; Balance of system components; System Description
- Grid Connected System
- Stand Alone System

Renewable Energy Heat (Seminar & Exercises: 90 h workload)

- Assessment of solar thermal ambient parameters: regional global,

- diffuse, reflected solar radiation on horizontal and on tilted plane, ambient temperature
- Solar thermal system components: collectors; heat exchangers; thermal storage; thermal driven compression chillers
- Solar cooling systems and components
- Characterization of solar thermal systems, their operation and performance
- F-Chart and Utilizability methods as main methods for assessing system performance

Recommended reading

Solar Energy PV

- Green, Martin A., 1981: Solar cells : operating principles, technology and system applications, Prentice Hall.
- Green, M.A., 2007: Third Generation Photovoltaics, Advanced Solar Energy Conversion, Springer Series in Photonics
- Markvart, Tom and Castaner, Luis, 2003: Practical Handbook of Photovoltaics, Fundamentals and Applications, Elsevier Science
- Nelson, Jenny, 2003: The Physics of Solar Cells (Properties of Semiconductor Materials), Imperial College Press.
- Stuart R. Wenham, Martin A. Green, Muriel E. Watt & Richard Corkish (Edit.), 2007: Applied Photovoltaics, Earthscan Publications Ltd.;
- Twidell, John & Weir, Toni, 2005: Renewable Energy Resources Taylor & Francis.

Renewable Energy Heat

- DGS, (2010) Planning and installing solar thermal systems, a guide for installers, architects and engineers, 2nd ed.
- Duffie JA, Beckman WA (2013) Solar engineering of thermal processes: Wiley.
- Henning H-M. 2007. Solar assisted air conditioning of buildings - an overview. Applied Thermal Engineering 27(10):1734-1749; DOI: 10.1016/j.applthermaleng.2006.07.021

Links

Languages of instruction	German, English		
Duration (semesters)	1 Semester		
Module frequency	Wintersemester		
Module capacity	unlimited		
Examination	Prüfungszeiten	Type of examination	
Final exam of module	At the end of the lecture period; submission of the report at the end of the semester	2 Examinations: Written Exam (1.5h, weight 50%) and Presentation of a Paper (15 min presentation, 5 pages report, weight 50%)	

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
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Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Exercises		2	SuSe or WiSe	28
Total module attendance time				56 h

pre025 - Wind Energy and Storage

Module label	Wind Energy and Storage
Module code	pre025
Credit points	6.0 KP
Workload	180 h (180 Hours)
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Agert, Carsten (module responsibility)• Knipper, Martin (module responsibility)• Agert, Carsten (authorised to take exams)• Hölling, Michael (authorised to take exams)• Knipper, Martin (authorised to take exams)• Peinke, Joachim (authorised to take exams)• Steinberger-Wilckens, Robert (authorised to take exams)• Wark, Michael (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	

After successful completion of the module students should be able to:

- Critically evaluate and describe basic characteristics and functioning of wind energy converters
- Understand the physical principal of wind energy conversion
- Understand wind turbine aerodynamics
- Critically evaluate and describe electrochemical storage systems with a focus on batteries as well as hydrogen storage systems (electrolyser, gas storage and fuel cells)

Module contents

Basics of Wind Energy:

- Wind characterization and anemometers
- Aerodynamic aspects of wind energy conversion
- Wind turbine performance
- Design of wind turbines
- Dimensional analysis and pi-theorem

Energy Storage:

- Fundamentals of electrochemistry and thermodynamics
- Energy and environmental balances
- Fundamental setup of most common battery types
- Fundamental chemical reactions in these batteries
- Operational characteristics of batteries (charging & discharging, weir

processes and service lives)

Recommended reading

- E. Hau: Wind Turbines - 2nd edition, Springer, Berlin 2005
- T. Burton et al.: Wind energy Handbook, John Wiley & Sons Ltd, 2001
- J. Twele und R. Gasch: Wind Power Plants, Springer, 2011
- Gold Peak Industries. Lithium Ion technical handbook. 2003; Available from:
https://web.archive.org/web/20071007175038/http://www.gpbatteries.com/html/pdf/Li-ion_handbook.pdf.
- Fürstenwerth, D. and L. Waldmann, Stromspeicher in der Energiewende. 2015, Agora Energiewende: Hannover, Germany. p. 22.
- Hoppecke, Installation, commissioning and operating instructions for vented stationary lead-acid batteries, Hoppecke, Editor. 2013, Hoppecke Batterien GmbH & Co. KG: Brilon, Germany.
- Fischer, W., Blei Fibel - Stationary Lead-Acid Batteries, An Introductory Handbook. 1996, Hoppecke, Germany: Hoppecke. 130p..

Links

Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	Annual, Winter Semester, first semester in SuRE and EMRE
Module capacity	unlimited
Examination	Prüfungszeiten
Final exam of module	Type of examination
	End of Module's Block
	Written Exams (wind energy & energy storage)

Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Exercises		2	SuSe or WiSe	28
Total module attendance time				56 h

pre041 - Sustainability of Renewable Energy

Module label	Sustainability of Renewable Energy
Module code	pre041
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Torio, Herena (module responsibility)• Agert, Carsten (module responsibility)• Agert, Carsten (authorised to take exams)• Torio, Herena (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	

After successful completion of the module students should be able to:

- analyse, and critically compare and evaluate selected sustainability concepts and strategies addressing renewable energy systems
- critically appraise and analyse the principles and implications of selected scientific methods and theories for a sustainable energy supply
- critically evaluate the suitability and meaningfulness of different sustainability indicators, theories, methods and practices regarding their role and impact for developed countries, on the one hand, and developing countries, on the other
- perform an integral assessment, involving several relevant aspects related to the sustainability of a particular real-life renewable energy project as well as identify the main barriers, potentials and driving factors for improving it
- perform a literature review on selected sustainability approaches to a professional standard and extract the main related conclusions, and arguing critically on them
- present data and information both verbally and in the written form, including quotation to a professional standard

Module contents

The module "Sustainability of RE Systems" provides the theoretical background for understanding main concepts and interdisciplinary scientific methods from the context as well as their role in the sustainability debate.

Sustainability Seminar (Lecture & Seminar ? 180 h workload)

- Strategies and dimensions in sustainability research and discussion: efficiency, consistency and sufficiency, as well as related concepts (e.g. rebound)
- Growth/De-growth and decoupling of growth and emission
- Life-cycle analysis
- Thermodynamic methods: exergy, EROI and related approaches
- Social indicators and their relation to energy use
- Economic indicators and related paradigms in the context of energy consumption
- Resilience and its operationalisation for energy systems
- Methods for developing and assess socio-technical scenarios

Recommended reading

Brundtland report: Report of the World Commission on Environment and Development: Our Common Future. UN Reports. Link: www.un-documents.net/our-common-future.pdf

Pelenc et al. 2015. Weak sustainability vs strong sustainability. Brief for GSDR, 2015.
Link: <https://sustainabledevelopment.un.org/content/documents/6569122-Pelenc-Weak%20Sustainability%20versus%20Strong%20Sustainability.pdf>

Jackson T., 2009. Prosperity without growth - Economics for a finite planet. Earthscan- London-Sterling VA, 2009

LCSDSN, 2015. Indicators and a Monitoring Framework for the Sustainable Development Goals Launching a data revolution for the SDGs. Leadership Council of the Sustainable Development Solutions Network.

Kumar et al. 2017. A review of multi criteria decision making (MCDM) towards sustainable renewable energy development. Renewable and sustainable energy

reviews, 69 (2017), pp. 596-609.

Links				
Language of instruction		English		
Duration (semesters)		1 Semester		
Module frequency				
Module capacity		unlimited		
Type of module		Wahlpflicht / Elective		
Module level		MM (Mastermodul / Master module)		
Examination		Prüfungszeiten	Type of examination	
Final exam of module		At the end of the lecture period (presentation) and end of semester (report)	1 Examination: Presentation of a Paper (presentation - 20 minutes and written report 15 pages) or Term Paper (15 pages)	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Seminar		2	SuSe and WiSe	28
Total module attendance time				56 h

pre152 - Resilient Energy Systems

Module label	Resilient Energy Systems
Module code	pre152
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Agert, Carsten (module responsibility)• Torio, Herena (module responsibility)• Agert, Carsten (authorised to take exams)• Torio, Herena (authorised to take exams)• Lehnhoff, Sebastian (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	

After successful completion of the module students should be able to:

- analyze, and critically understand different definitions of resilience and fundamental concepts relevant in the context of energy systems analysis (e.g. complexity, homeostasis, equilibria, stressors,...)
- understand and interlink assessment methods, principles and theories for resilience analysis of energy supply systems in different scientific disciplines
- critically evaluate the suitability, meaningfulness and implications of different resilience-related indicators, theories and assessment methods from several disciplines
- develop a scientific discourse on suitable approaches for assessing particular aspects of resilient energy system design in the context of a particular real-life case study
- identify main barriers, potentials and driving factors for improving one selected assessment approach in the context of its application to a case study
- perform a literature review, apply a selected resilience and extract the main related conclusions, arguing critically on them
- present scientific results and conclusions both verbally and in written form, including quotation to a professional standard

Module contents

The module "Resilient energy systems" provides the theoretical background for understanding main concepts and interdisciplinary scientific methods from the context of resilience assessment as well as their role in the debate towards resilient energy systems.

Resilient Energy Systems (Lecture & Seminar, 180 h workload):

- Definitions and fundamental concepts in resilience analysis of energy systems (complexity, homeostasis, equilibria, feedback loops,...)
- Approaches and methods for resilience assessment from different relevant disciplines:
 - epistemic approaches
 - resilience as guiding principle
 - aggregation methods for resilience assessment

- cyber-security and informatics
- environmental modelling
- risk and vulnerability analysis
- agent-based models
- governance studies

Recommended reading

Jesse et al. 2019. Adapting the theory of resilience to energy

systems: a review and outlook. *Energy, Sustainability and Society* (2019) 9:27 <https://doi.org/10.1186/s13705-019-0210-7>

Hölling C.S., 2001. Understanding the Complexity of Economic, Ecological and Social Systems. *Ecosystems*, 4, (2001), pp. 390-405.

Gössling-Reisemann, S. Resilience – Preparing Energy Systems for the Unexpected. In: Florin, Marie-Valentine / Linkov, Igor (Eds.), 2016, IRGC Resource Guide on Resilience, Lausanne EPFL International Risk Governance Center (IRGC), p. 73-80

Roegge P.E. et al. 2014. Metrics for energy resilience. *Energy Policy*, 72, (2014), pp. 249–256. <http://dx.doi.org/10.1016/j.enpol.2014.04.012>

Links

Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	Wintersemester			
Module capacity	unlimited			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	At the end of the semester		Presentation of a Paper (presentation - 20 minutes and written report ca. 10 pages) or Term Paper (ca. 15 pages)	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Seminar		2	WiSe	28
Exercises		2	WiSe	0
Total module attendance time				56 h

pre200 - Selected Renewable Energy Technologies

Module label	Selected Renewable Energy Technologies
Module code	pre200
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Engineering Physics (Master) > Schwerpunkt: Renewable Energies• Master's Programme Environmental Modelling (Master) > Mastermodule• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules• Sustainable Renewable Energy Technologies (Master) > Mastermodule
Responsible persons	<ul style="list-style-type: none">• Günther, Andreas (module responsibility)• Torio, Herena (module responsibility)• Wark, Michael (module responsibility)• Torio, Herena (authorised to take exams)• Pehlken, Alexandra (authorised to take exams)• Wark, Michael (authorised to take exams)• Steinberger-Wilckens, Robert (authorised to take exams)
Prerequisites	
Skills to be acquired in this module	

The module intends to give an overview and deeper understanding of front-edge topics and technologies relevant for the energy transition.

Current main such topics are the rolling out of the hydrogen economy as well as circular economy and critical material use and ocean energy converters. In the context of the energy transition in the global south, small hydro turbines may play a relevant role and are also part of the module content. Main skills to be achieved in the module are:

- Understand and describe front-edge topics in the energy transition.
- Cross-sectoral topics, technologies and new research topics relevant for the energy transition.
- Understand the principles, chemical and energy conversion processes involved in hydrogen and fuel cell systems.
- Understand the role of hydrogen in the energy transformation and the main energy conversion processes in which it is involved.
- Critically evaluate and describe hydrogen storage systems (electrolyser, gas storage and fuel cells) as well as their uses, advantages, characteristics and pitfalls.
- Understand and describe principles governing ocean energy converters
- Understand and describe principles governing micro-hydro energy converters
- Understand and describe concepts for circular economy and recycling in the energy sector
- Understand methods for assessing critical materials, their definitions and importance for the energy transition

Module contents

Hydrogen and fuel cells (3 CP)

- Basics of hydrogen production (materials, processes, efficiencies, environmental impacts)
- Basics of fuel cells (function, materials, construction, systems applications)
- Basics of hydrogen storage systems (their setup, control, safety aspects)

Hidden Champions of RE (3 CP)

- Basic concepts for circular economy and recycling of materials in the energy sector
- Basic definitions and methods for appraising critical materials for the energy transition
- Ocean energy converters: principles and examples

- Micro hydro energy converters: their principles, characteristics and uses

Recommended reading

Wird in der Veranstaltung bekannt gegeben

Links

Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	Wintersemester	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	At the end of the semester	Written exam (2x)
Type of course	Course selection	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

wir760 - Computable General Equilibrium Analysis

Module label	Computable General Equilibrium Analysis			
Module code	wir760			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Böhringer, Christoph (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Böhringer, Christoph (Module counselling) 			
Prerequisites	None			
Skills to be acquired in this module	During the course work students will learn how to set up computable general equilibrium (CGE) models step-by-step using the GAMS software (General Algebraic Modeling System) and apply them to actual policy issues of broader interest.			
Module contents	This course provides a practical guideline to CGE modeling. We start with the formulation of a simple stylized CGE model for open economies and lay out how such a model can be matched (calibrated) to empirical data. We will then discuss several refinements of our prototype model to investigate contemporary policy issues such as environmental tax reforms or trade restrictions (e.g. the implementation of import tariffs and quotas). The single country model will be subsequently extended towards a multi-region model framework which accommodates to investigate in appropriate detail the economic impacts of multilateral policy initiatives such as trade policy reforms or international climate agreements.			
Recommended reading				
Links				
Language of instruction	English			
Duration (semesters)	1 Semester			
Module frequency	jährlich/annual			
Module capacity	14			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	end of semester	aus der Prüfungsordnung zu entnehmen - to be taken from the examination regulations		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Seminar		2	WiSe	28
Total module attendance time				56 h

wir849 - Advanced Entrepreneurship

Module label	Advanced Entrepreneurship			
Module code	wir849			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "Unternehmensführung" (MPO2020) • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - BWL • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Nicolai, Alexander (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 			
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				
Links	http://www.uni-oldenburg.de/wire/entrepreneurship/lehrangebot/veranstaltungen/			
Language of instruction	German			
Duration (semesters)	1 Semester			
Module frequency	jährlich			
Module capacity	unlimited			
Reference text	The module consists of a lecture and a seminar. Alternatively, in this module the seminar Eco-Venturing Projekt- und Präsenzseminar are offered.			
Examination	Prüfungszeiten		Type of examination	
Final exam of module	at the end of the semester		written or oral exam	
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	WiSe	28
Project seminar		2	--	28
Total module attendance time				56 h

wir891 - Complex Data Analysis

Module label	Complex Data Analysis			
Module code	wir891			
Credit points	6.0 KP			
Workload	180 h			
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Empirical Methods • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule AFT - Methoden • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM - Methoden • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - Methoden • Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules 			
Responsible persons	<ul style="list-style-type: none"> • Stecking, Ralf Werner (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) 			
Prerequisites				
Skills to be acquired in this module	With successful completion of the course, students shall be able to analyze complex empirical data sets, like aggregated data, privacy constrained data, distance information, distributions, tables, symbolic or granular data. Students will also learn to handle issues of big data challenges: large number of cases or variables, unknown dependencies, redundancy, missing values, small or no variance. In this course students will learn theoretical aspects of complex data analysis, as well as practical applications for real data sets with statistical software packages.			
Module contents	Principal Component Analysis, Correspondence Analysis, Cluster Analysis, Linear Discriminant Analysis, Multidimensional Scaling, CART, Symbolic Data Analysis			
Recommended reading	<p>Billard, L. and Diday, E. (2006): Symbolic Data Analysis, West Sussex</p> <p>Hastie, T., Tibshirani, R. and Friedman, J. (2001): The Elements of Statistical Learning, New York</p> <p>Pedrycz, W. (2017): Granular Computing, Boca Raton</p> <p>Tuffery, S. (2011): Data Mining and Statistics for Decision Making, West Sussex</p>			
Links				
Languages of instruction	German, English			
Duration (semesters)	1 Semester			
Module frequency				
Module capacity	unlimited			
Examination	Prüfungszeiten	Type of examination		
Final exam of module	Am Ende der Vorlesungszeit	Klausur oder Mündliche Prüfung oder Hausarbeit oder Referat		
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

wir950 - Research Workshop: Dilemmas of Sustainability

Module label	Research Workshop: Dilemmas of Sustainability
Module code	wir950
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL• Master's Programme Sustainability Economics and Management (Master) > Supplementary Modules
Responsible persons	<ul style="list-style-type: none">• Wolter, Hendrik (module responsibility)• Lehrenden, Die im Modul (Module counselling)• Lehrenden, Die im Modul (authorised to take exams)
Prerequisites	None
Skills to be acquired in this module	The students ... <ul style="list-style-type: none">• have a thematic overview of the state of research in the field of dilemmas of sustainability.• can conceptualize, plan and organize a research project on dilemmas of sustainability.• can define a scientifically relevant baseline (research) problem, derive a research question from it and develop a suitable research design.• can apply basic moderation and organizational skills that are helpful for a research project.• gain skills for scientific work at an advanced level.
Module contents	Solving the complex ecological and social challenges of our time requires complex scientific approaches. This is the field in which research on sustainable development operates. Due to the diversity of problems, this type of research is particularly oriented towards thinking beyond purely delimited scientific disciplines. Research on sustainable development has to interlink different fields of thought and disciplines in an interdisciplinary manner and involve social actors in research processes in a transdisciplinary sense. The complexity of such projects, however, is often a source of tension, since the plurality of forms of knowledge, opinions and objectives involved can quickly lead to a loss of clarity in what is understood by sustainable development, or even to contradictions. This can lead to dilemmas, which can challenge those involved with seemingly unsolvable problems. What exactly these dilemmas of sustainability can look like, how they arise and how they can be dealt with in the context of research projects is the focus of the scientific examination in this module.
Recommended reading	Augenstein, K.; Bachmann, B.; Egermann, M.; Hermelingmeier, V.; Hilger, A.; Jaeger-Erben, M.; Kessler, A.; Lam, D.P.M.; Palzkill, A.; Suski, P.; von Wirth, T. (2020). From niche to mainstream: the dilemmas of scaling up sustainable alternatives. GAIA - Ecological Perspectives for Science and Society 29 (3): p. 143- 147. Bocken, N. M., & Short, S. W. (2021). Unsustainable business models– Recognising and resolving institutionalised social and environmental harm. Journal of Cleaner Production, 312, 127828. Gottschlich, D.; Katz, C. (2016). Sozial-ökologische Transformation braucht Kritik an den gesellschaftlichen Naturverhältnissen. Zur notwendigen Verankerung von Nachhaltigkeitsforschung in feministischer Theorie und Praxis. Soziologie und Nachhaltigkeit – Beiträge zur sozial-ökologischen Transformationsforschung 3 (2. year). Nölting, B.; Voß, J.-P.; Hayn, D. (2004). Nachhaltigkeitsforschung–jenseits von Disziplinierung und anything goes. GAIA-Ecological Perspectives for Science and Society 13 (4): p. 254-261.
Links	
Language of instruction	German
Duration (semesters)	1 Semester
Module frequency	Annually

Module capacity	30	
Type of module	Ergänzung/Professionalisierung	
Module level	EB (Ergänzungsbereich / Complementary)	
Previous knowledge	There should be basic knowledge on the topic of sustainability.	
Examination	Prüfungszeiten	Type of examination
Final exam of module	1 term paper or 1 presentation or 1 portfolio or 1 project report	
Type of course	Seminar	
SWS	4	
Frequency	WiSe	
Workload attendance time	56 h	

Abschlussmodul

kolloquium - Forschungskolloquium

Module label	Forschungskolloquium		
Module code	kolloquium		
Credit points	6.0 KP		
Workload	180 h		
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Sustainability Economics and Management (Master) > Abschlussmodul		
Responsible persons			
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		
Examination	Prüfungszeiten	Type of examination	
Final exam of module		Ü	
Type of course	Seminar		
Frequency			

mam - Master's Thesis Module

Module label	Master's Thesis Module	
Module code	mam	
Credit points	30.0 KP	
Workload	900 h	
Applicability of the module	<ul style="list-style-type: none">• Master's Programme Sustainability Economics and Management (Master) > Abschlussmodul	
Responsible persons		
Prerequisites		
Skills to be acquired in this module		
Module contents		
Recommended reading		
Links		
Languages of instruction		
Duration (semesters)	1 Semester	
Module frequency	halbjährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module		G
Type of course	Seminar	
Frequency		

Accentuation Modules

wir889 - Applied Environmental Economics

Module label	Applied Environmental Economics	
Module code	wir889	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-VWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-VWL • Master's Programme Environmental Modelling (Master) > Mastermodule • Master's Programme Sustainability Economics and Management (Master) > Accentuation Modules 	
Responsible persons	<ul style="list-style-type: none"> • Lehrenden, Die im Modul (authorised to take exams) • Huse, Cristian (module responsibility) • Huse, Cristian (Module counselling) 	
Prerequisites		
Skills to be acquired in this module	<p>Be able to conceptually understand and apply key empirical tools used by any economist (and other professionals) in Environmental, Energy, and Transport Economics.</p> <p>Be able to perform and critically evaluate an empirical analysis.</p>	
Module contents	Econometric methods (discrete choice); Welfare analysis; Valuation; Types of data; Cost-benefit analysis.	
Recommended reading	<p>Phaneuf, D.J., and T. Requate. <i>A Course in Environmental Economics: Theory, Policy, and Practice</i>. Cambridge University Press, 2016.</p> <p>Cameron, A. C., and P. Trivedi (2005). <i>Microeconometrics: Methods and Applications</i>. Cambridge: Cambridge University Press.</p>	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency		
Module capacity	60	
Examination	Prüfungszeiten	Type of examination
Final exam of module	At the end of the lecture period	Portfolio
Type of course	Lecture	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

wir913 - Practical Project in Sustainability Economics and Management

Module label	Practical Project in Sustainability Economics and Management	
Module code	wir913	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Sustainability Economics and Management (Master) > Accentuation Modules 	
Responsible persons	<ul style="list-style-type: none"> • Siebenhüner, Bernd (authorised to take exams) • Busse, Christian (authorised to take exams) • Siebenhüner, Bernd (module responsibility) 	
Prerequisites	No	
Skills to be acquired in this module	<p>Methods of project management</p> <p>Introduction into the methods of qualitative empirical research</p> <p>Introduction into approaches to time management</p> <p>Identification of individual or team projects in sustainability management (case studies, empirical studies, marketing concepts)</p> <p>Self organized work on individual or team projects</p> <p>Mid-term and final presentation of project results</p>	
Module contents	<p>This module consists of two seminars (2 weekly contact hours per seminar) dealing with several topics from the broad field of sustainability, economics and management during term.</p> <p>The module's intention is to integrate current research activities of the University from the research areas of sustainability, economics and management into teaching activities. The Module provides students the possibility to actively participate in current research at Oldenburg University. The module's seminars each year deal with different projects and are thus designed each year by a different group of Oldenburg located researchers. This teaching concept provides the interface between theory and application of scientific theories into research practise. Thus, this module also introduces research work at universities in general.</p>	
Recommended reading	Yin, R. (1994): Case Study Research, Thousand Oaks Depending on the topic and content of each seminar	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency	jährlich	
Module capacity	unlimited	
Examination	Prüfungszeiten	Type of examination
Final exam of module	to be announced during the seminar	KL
Type of course	Course or seminar	
SWS	4	
Frequency	SuSe and WiSe	
Workload attendance time	56 h	

wir921 - Sustainable Supply Chain Management

Module label	Sustainable Supply Chain Management
Module code	wir921
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none">• Master Applied Economics and Data Science (Master) > Specialization• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL• Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL• Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL• Master's Programme Sustainability Economics and Management (Master) > Accentuation Modules
Responsible persons	<ul style="list-style-type: none">• Busse, Christian (module responsibility)• Lehrenden, Die im Modul (authorised to take exams)• Busse, Christian (Module counselling)
Prerequisites	
Skills to be acquired in this module	<p>By focusing on sustainability from an intra-, and inter-organizational perspective, this module aims to equip students with an in-depth knowledge of the sustainability-related challenges and problems within supply chain management and suggests some tools for managing the same. It further seeks to capacitate students to understand and analyze the trade-offs and conflicts of targets within sustainable supply chain management. The content is closely linked to the latest research in the field, providing a theoretical understanding (within the lecture) while using real-world case examples (within the seminar) to develop a practical understanding simultaneously. Students will be able to connect theory with practice and get a taste of real-life corporate scenarios or lay a foundation for possible master theses. Further, working in groups will help students brush up their team management skills, and the final report shall accustom them to the intricacies of scientific writing.</p>
Module contents	<p>This masters-level module focuses on how firms could practically manage sustainability in its supply chains. Two broader perspectives, as detailed below, guide the coursework:</p> <ol style="list-style-type: none">1) The material flow perspective approaches SSCM with sustainably managing physical flows and processes within a firm's operations and upstream (and downstream) supply chain links. Individual (lecture) sessions are built around the following topics: Introduction to Sustainability and Supply Chain Management; Introduction to Sustainable Supply Chain Management; Sustainable Product Development & Lean and Green; Workplace Health and Safety; Sustainable Transportation; Sustainable Warehousing & Sustainable Packaging; and Closed-Loop Supply Chain Management2) The relationship perspective further adopts a more direct managerial viewpoint on inter-firm relations. Individual (lecture) sessions discuss the following topics: Stakeholder Management; Legitimacy, Decoupling & Greenwashing; Supply Chain Sustainability Risks; Sustainable Supplier Management; and Supply Chain Sustainability Dilemmas <p>Some of the theoretical perspectives discussed within the lecture sessions will be prepared by case studies of well-known companies such as Walmart, DHL, HP, Volkswagen, Lidl, and Apple.</p>
Recommended reading	<p>The lecture content has been developed from various research publications, rather than a textbook. Students are encouraged to read some of the original publications as amendments to the lecture. The case studies will mostly be based on professionally written cases. Scholarly publications/articles, as well as the case study documents, will be provided and discussed throughout the sessions.</p>
Links	
Language of instruction	English
Duration (semesters)	1 Semester
Module frequency	Yearly in the summer term

Module capacity	unlimited	
Reference text	This module is offered in the summer term. For a more detailed description of course content and organization, please note the syllabus that will be made available via Stud.IP before the beginning of the course.	
Examination	Prüfungszeiten	Type of examination
Final exam of module		Portfolio
Type of course	Lecture and seminar	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

wir895 - Industrial Organization

Module label	Industrial Organization	
Module code	wir895	
Credit points	6.0 KP	
Workload	180 h	
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Economics • Master's Programme Business Administration, Economics and Law (Master) > Basismodule • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule UF - VWL • Master's programme Business Administration: Management and Law (Master) > Basismodule • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule UF - VWL • Master's Programme Sustainability Economics and Management (Master) > Accentuation Modules 	
Responsible persons	<ul style="list-style-type: none"> • Huse, Cristian (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Huse, Cristian (Module counselling) 	
Prerequisites		
Skills to be acquired in this module	Be able to conceptually understand, critically evaluate, and apply methods used economists to study the behaviour of firms, consumers, and their interaction.	
Module contents	Econometric methods; models of firm behaviour; models of consumer behaviour; regulation; applications.	
Recommended reading	Belleflamme, P., & Peitz, M. (2015). Industrial Organization: Markets and Strategies. Cambridge University Press. 2nd edition. Addition references to be announced at the start of each term.	
Links		
Language of instruction	English	
Duration (semesters)	1 Semester	
Module frequency		
Module capacity	30	
Examination	Prüfungszeiten	Type of examination
Final exam of module	At the end of the lecture period	Portfolio
Type of course	Lecture and exercise	
SWS	4	
Frequency	SuSe or WiSe	
Workload attendance time	56 h	

wir898 - Strategic Sustainability Management

Module label	Strategic Sustainability Management
Module code	wir898
Credit points	6.0 KP
Workload	180 h
Applicability of the module	<ul style="list-style-type: none"> • Master Applied Economics and Data Science (Master) > Specialization • Master's Programme Business Administration, Economics and Law (Master) > Kernmodule CHI • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt "China - Wirtschaft und Sprache" (CHI) - Kernmodule (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunkt Führung von Unternehmen und gesellschaftliche Organisation (FUGO) (MPO2020) • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule NM-BWL more... • Master's Programme Business Administration, Economics and Law (Master) > Schwerpunktmodule RdW - BWL • Master's programme Business Administration: Management and Law (Master) > Kernmodule CHI • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule NM-BWL • Master's programme Business Administration: Management and Law (Master) > Schwerpunktmodule RdW - BWL • Master's Programme Business Informatics (Master) > Module der Wirtschafts- und Rechtswissenschaften (Master) • Master's Programme Sustainability Economics and Management (Master) > Accentuation Modules
Responsible persons	<ul style="list-style-type: none"> • Hoppmann, Jörn (module responsibility) • Lehrenden, Die im Modul (authorised to take exams) • Hoppmann, Jörn (Module counselling)
Prerequisites	
Skills to be acquired in this module	<p>The students should...</p> <ul style="list-style-type: none"> • know and understand basic concepts, instruments and theories in the context of corporate sustainability and corporate social responsibility • be able to apply conceptual frameworks to analyze and critically question the sustainability of companies • develop options to improve the sustainability of companies and derive recommendations for their implementation in practice
Module contents	<p>The module "Strategic Sustainability Management" provides an overview of the debates on the role of firms for sustainable development from a strategic perspective. The first session will briefly introduce the historical debate on Corporate Sustainability and Corporate Social Responsibility and delineate important concepts. The following sessions will use concrete company case studies as a basis for a critical discussion of questions in the context of corporate sustainability that are of strategic importance for firms. Questions that will be discussed are, amongst others:</p> <ul style="list-style-type: none"> • How can one determine whether a firm acts in a socially and ecologically sustainable way? • Which factors drive and hinder the diffusion of socially and ecologically superior solutions and companies in the market? • To which extent is there a conflict between firm and market growth on the one hand and sustainability on the other hand? • Which possibilities does a company have to deal with conflicts between social/ecological and economic goals? • How can existing firms and value chains be transformed toward sustainability? • What is the role of managers and boards of directors for organizational change toward sustainability? • How does the ownership and financial structure of firms influence their strategy toward sustainability? • In how far can cooperation and partnerships between organizations help integrate social and ecological aspects in 53 firms?

In addition to discussing these questions by drawing on company case studies, students will be introduced to the corresponding theoretical concepts and frameworks in the academic literature. Also, students will be given the opportunity to test different strategies for implementing sustainability in organizations during a simulation, which allows them to gain first-hand insights into the emerging challenges. Toward the end of the course, students will apply and deepen the knowledge they have gathered over the semester by writing a seminar thesis.

Recommended reading				
Links				
Languages of instruction		German, English		
Duration (semesters)		1 Semester		
Module frequency		Yearly		
Module capacity		unlimited		
Examination		Prüfungszeiten		Type of examination
Final exam of module		End of term		Portfolio
Type of course	Comment	SWS	Frequency	Workload of compulsory attendance
Lecture		2	SuSe or WiSe	28
Seminar		2	SuSe or WiSe	28
Total module attendance time				56 h

