

Universität Basel

Masterstudium: Sustainable Development

The aim of the MSD study program:

Our students gain advanced knowledge about scientific aspects of Sustainable Development in consideration of the ecological responsibility, the societal solidarity and the economic performance. They are taught to become competent and interdisciplinary working decision-makers in science, politics, economics, and society. Our graduates are able to consider, manage and implement complex sustainability issues.

Academic degree:

Master of Science in Sustainable Development

Structure:

The MSD study program contains 120 credit points, which are acquired over four semesters in the case of a full time study. For a part time study, the duration will extend accordingly. The MSD offers three focus areas: in natural sciences, in social sciences, and in economics; each containing six determined modules.

For detailed information regarding modules etc. we recommend to have a closer look at the study regulations (in German); the guidelines, the medium-term syllabus and the optimal study progression plan (all available in English). These documents and a graphic representation of the three focus areas can be downloaded from our website: <https://www.msd.unibas.ch/en/services/downloads/msd-2017/>

Head of the MSD:

The study program is jointly run by the Faculty of Sciences, the Faculty of Humanities and Social Sciences and the Faculty of Economics.

From August 2022 to July 2024, the teaching committee (TC) is chaired by Prof. Dr. Frank Krysiak, head of Environmental Economics, Faculty of Economics.

Head of the coordination office MSD is Camelia Chebbi, for contact details see below (section academic advice = Studienfachberatung).

Further information:

The guidelines and the study regulations inform about admission criteria, the registration process and the curriculum.

The detailed course directory (dcd) informs regarding teaching program of the current semester. Further information are provided by the medium-term syllabus (mittelfristiger Lehrplan). For the preparation of the timetable all these documents have to be considered.

All documents are available as downloads: <https://www.msd.unibas.ch/en/services/downloads/msd-2017/>

Studienfachberatung:

For academic advice and information please contact Camelia Chebbi, MA/MAS ETHZ/MAS NPPM FHNW, head coordination office MSD:

coordination-msd@unibas.ch; +41/61/207 04 20.

Individual study counseling by appointment.

For detailed information regarding availability of office and staff see: <https://msd.unibas.ch/en/organization/coordination-office/>

Modul: Komplementärer Basisbereich Naturwissenschaften

34499-01	Seminar: Current Research in Stream Ecology		2 KP
	Dozierende	Stefanie von Fumetti	
	Zeit und Ort	Mi 10:15-12:00 Geographie, Seminarraum EG 0-09	
	Datum	22.02.2023	
	Intervall	wöchentlich	
	Angebotsmuster	Jedes Frühjahrsem.	
	Anbietende Organisationseinheit	Geowissenschaften	
	Module	Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021)) Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Palaeoecology and Freshwater Ecology (Masterstudium: Geowissenschaften)	
	Inhalt	In this seminar we discuss recent trends and results in stream ecology based on research papers. Dates and topics will be fixed at the first meeting.	
	Literatur	Will be fixed at the first meeting.	
	Weblink	https://duw.unibas.ch/de/geoökologie/	
	Leistungsüberprüfung	Lehrveranst.-begleitend	
	Skala	1-6 0,5	
	Wiederholungsprüfung	keine Wiederholungsprüfung	
	An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
	Belegen bei Nichtbestehen	beliebig wiederholbar	
	Einsatz digitaler Medien	kein spezifischer Einsatz	
	Unterrichtssprache	Englisch	
	Teilnahmevoraussetzungen	Prior attendance of the lecture "Introduction into Limnology"	



Dozierende	Jan Beck
Zeit und Ort	Mi 16:15-18:00 Vesalianum, Seminarraum (O2.02) Mittwoch 8. März Mittwoch 22. März Mittwoch 29. März Mittwoch 5. April Mittwoch 26. April Mittwoch 3. Mai Mittwoch 10. Mai (exam)
Datum	08.03.2023
Intervall	unregelmässig
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)
Lernziele	You will understand the scientific basis of ecological and evolutionary theory, which is a precondition to understand many applied issues in conservation, ecosystem management, agricultural sciences and other topics of human-environment relationships.
Inhalt	The course will provide you with sound background knowledge in ecology and evolutionary biology. While I will primarily treat basic science topics and principles in these fields, the topics were also chosen for their relevance for applied sciences such as conservation, agrosocieties and ecosystem management. We will treat the basics of evolutionary theory (e.g., common descent, natural selection, reproductive isolation and speciation), the genetic basis of evolution (e.g., mutation and recombination, selfish genes), and examples of human impact on evolution. The ecology part introduces basic concepts such as population growth, interspecific interactions, and the patterns of primary productivity and their consequences (among others). We will also look in detail at the geographic ranges of species and resulting emergent phenomena, such as biodiversity. A global perspective on the human impact on biodiversity, and its feedback on human economy, will put this into applied perspective.
Literatur	Recommended textbooks: - Biogeography, 4th ed., by Mark V. Lomolino, Brett R. Riddle, and Robert J. Whittaker; Oxford University Press. - Ecology: From Individuals to Ecosystems, 4th ed., by Michael Begon, Colin R. Townsend, John L. Harper; Wiley-Blackwell - Evolution, 3rd ed. by Mark Ridley; Wiley-Blackwell. - The selfish gene by Richard Dawkins, Oxford University Press. - Collapse: how societies choose to fail or survive by Jared Diamond; Penguin Books. All books are available at Basel university library. Additional journal article links or PDFs will be made available during the course (via ADAM).
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Written examination: 10.05.23: during usual teaching time slot; room: kleiner Hörsaal, Vesalianum, 1th floor (same building as coordination office). Repeat examination: tba in due time in "Dates and Rooms".
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Participation only possible for MSD students (incl. preparation semester).
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
Bemerkungen	Mandatory for students with focus area in social sciences and in economics. Unless you have a background in natural sciences and have already attended a similar course; you would have to substitute it by agreement with Prof. Dr. Patricia Holm (learning agreement). For students with focus area in natural sciences the lecture is optional (and can be attended if you have not attended a similar course already) credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement).

This lecture is offered by MSD. Dr. J. Beck holds a teaching assignment. For more information on Jan Beck see: <https://orcid.org/0000-0003-1170-4751>

40076-01	Vorlesung mit Übungen: Technical Basis of Generation, Distribution and Storage of Energy	3 KP
Dozierende	Rebecca Lordan-Perret	
Zeit und Ort	Mi 14:15-16:00 Vesalianum, Seminarraum (O2.02)	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
Lernziele	After taking this course, students - understand the technical/scientific basics of current energy generating and storing technologies; - understand the technical/scientific basis of how we move energy from where it is produced to where it is consumed; - understand the life-cycle perspective of each energy technology; - can evaluate diverse options for meeting future demand and addressing climate change.	
Inhalt	In this course, we discuss the technical/scientific basis of energy generation, distribution, and storage. We begin with developing an understanding of what energy is, its forms, and where we find sources of energy here on earth. Next, we will describe in detail how we generate energy from those sources, with an emphasis on the physical and chemical conversions that must take place and how energy generation technologies work. We will consider a range of generation technologies from traditional centralized power plants to distributed energy sources. In each case, we will take a life-cycle perspective to evaluate the necessary inputs, production, availability, transportation and distribution, and waste streams of each technology. We will end by considering future energy demand scenarios, including changes in demand driven by new technologies (e.g., electric mobility, smart grids, energy storage), and how we can meet rising global energy demand and address the pressing environmental issue of our time, climate change.	
Literatur	- MacKay, D. "Sustainability Without the Hot Air." https://www.withouthotair.com/ (free download available). - Muller, R. "Physics and Technology for Future Presidents." Princeton University Press: 2010 (selected chapters made available on ADAM; do not need to purchase the book). - Other selected readings posted on ADAM.	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Problem sets as assigned during the semester. Written examination 31.05.23, during usual teaching time slot; room: lecture room 120, Kollegienhaus. Repeat examination: tba in due time in "Dates and Rooms".	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Only for students of the MSD (incl. MSD preparation semester).	
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).	
Bemerkungen	Mandatory for MSD students with focus area in social sciences and in economics. Unless you have a background in natural sciences and have already attended a similar course; you would have to substitute it by agreement with Prof. Dr. Patricia Holm (learning agreement). For students with focus area in natural sciences the lecture is optional (and can be attended if you have not attended a similar course already), credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement). This lecture is offered by MSD. Dr. Rebecca Lordan-Perret holds a teaching assignment.	

Modul: Komplementärer Basisbereich Gesellschaftswissenschaften

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
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Dozierende	Basil Bornemann
Zeit und Ort	Di 10:15-12:00 Bernoullistrasse 14/16, Seminarraum 02.004 Seminarraum 02.004
Datum	21.02.2023
Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	The participants - are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them; - have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts. Subject to modifications.
Inhalt	<p>Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society.</p> <p>This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? What are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts? And, what are the implications of environmental change for the ways governance and democracy can be organized at and across spatial and temporal scales?</p> <p>The seminar addresses the relationship between governance, sustainable development and democracy in theoretical and empirical respects. First, it will lay a theoretical fundament by introducing the concepts of governance, sustainable development and democracy. Second, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Third, a number of case studies of sustainability governance in different fields will provide an opportunity to analyze the democratic problem-solving capacity of different governance arrangements in various contexts. Finally, further theoretical and practical perspectives of democratic governance for sustainable development are sketched out. Subject to modifications.</p>
Literatur	Relevant literature tba during the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence, required readings, oral presentation, essay. Details according to information of lecturer.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch



Teilnahmevoraussetzungen

Special course application required (for details see "course application" or "Anmeldung").

Limited number of participants (25):

For students of the MSD with the focus area in natural sciences or economics the seminar is mandatory. This students and those of the JIDSD have a first priority. Students of the MSD with the focus area in social sciences have a second priority, those of the listed programs (see list of modules) have a third priority.

If you don't study the MSD or one of the listed programs you must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies (= priority level four).

Additional entry requirements for participants who do not study the MSD (incl. preparation semester) or JIDSD:

They must have passed successfully one of the following lectures (= credit points already acquired) during a former semester:

- 11513: Sustainability: A new Societal Paradigm?
- 41829: Perspectives of Social Sciences on Sustainability.

Anmeldung zur Lehrveranstaltung

Please note entry requirements (for details see section "admission requirements").

Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html

Login and application only possible with open link. Link only guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.

In case of vacancies the online application link remains open until 06.03.23/noon.

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Bemerkungen

Please note entry requirements and mandatory course application procedure (additional to registration on MOnA).

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Mandatory for students with focus area in natural sciences and in economics (unless you have passed a similar class in a former semester, then you would have to substitute it by agreement with PD Dr. Basil Bornemann and fix this in a learning agreement).

For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may accredit the credit points for the published module or transfer them to the "Focal Areas in Sustainability Research" module (learning agreement).

The seminar is offered by MSD. PD Dr. B. Bornemann is an interim member of the Teaching Committee MSD, and of the Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel.

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?		3 KP
	Dozierende	Basil Bornemann	
		Marius Christen	
	Zeit und Ort	Do 12:00-14:00 Rosshofgasse (Schnitz), Seminarraum S 02	
	Datum	23.02.2023	
	Intervall	wöchentlich	
	Angebotsmuster	Jedes Frühjahrsem.	
	Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
	Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	



Lernziele	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model. Subject to modifications.
Inhalt	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice. Subject to modifications.
Literatur	Literature tba during lecture.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Written examination: 08. June, during usual teaching time slot; room: lecture room 120, Kollegienhaus. Repeat examination: tba in due time in "Dates and Rooms".
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for MSD students (incl. MSD preparation semester), those of the IJSD and the listed degree programs (see list of modules). Other students must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences. NO bachelor students admitted.
Anmeldung zur Lehrveranstaltung	Course enrollment on MoNA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
Bemerkungen	MSD 2017 Mandatory lecture for all. A different choice is only allowed for students, who have a) attended and accredited the same class for a former degree; b) attended and accredited a comparable class for a former degree. If a) or b) applies you have to register for a different course according to prior agreement with PD Dr. B. Bornemann. This lecture is offered by the MSD. PD Dr. B. Bornemann is an interim member of the Teaching Committee MSD and of the Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel. Dr. M. Christen holds a teaching assignment. He is a team member of the Sustainability Research Group, of the Faculty of Humanities and Social Sciences, University of Basel.

Modul: Komplementärer Basisbereich Wirtschaftswissenschaften

10160-01	Vorlesung: Environmental and Resource Economics	6 KP
Dozierende	Rebecca Lordan-Perret Christian Nolde	
Zeit und Ort	Mo 16:15-18:00 Kollegienhaus, Hörsaal 118 Di 12:15-14:00 Kollegienhaus, Hörsaal 118	
Datum	20.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul Economics (ECON) II (Bachelorstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Aufbau Economics (Bachelorstudium: Wirtschaftswissenschaften) Modul: Komplementärer Basisbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European	



	Global Studies) Modul: Wirtschaft in Osteuropa (BSF - Osteuropäische Kulturen) Modul: Wahlbereich in Wirtschaftswissenschaften (BSF - Wirtschaftswissenschaften) Wahlbereich Bachelor Wirtschaftswissenschaften: Empfehlungen (BSF - Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Wirtschaft in Osteuropa (BSG - Osteuropa-Studien)
Lernziele	After taking this course you will know how to analyse environmental policy using the tools of economics. You will know economic concepts for understanding the causes of environmental degradation and for setting the objectives of environmental policy. You will be able to apply microeconomic theory to analyze the mechanisms via which different policy instruments influence the environmental behavior of firms. At the example of exhaustible and renewable resources, you will have learned how to analyze cases where present actions have long-lasting environmental consequences.
Inhalt	Economic and ethical foundations of environmental policy, external effects, policy instruments and their effects, measurement of external effects, economics of exhaustible resources, economics of renewable resources, economics of climate change.
Literatur	R. Perman, Y. Ma, J. McGilvray, M. Common and D. Maddison (2011), "Natural Resource and Environmental Economics", 4th edition, Pearson Education.
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	There will be a written exam at the end of the term and two 2 mandatory, graded problem sets and additional ungraded problem sets. written exam: 06.06.23; 17:15-18:15. You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://wwz.unibas.ch/en/studies/examinations/de/-registration-of-examinations/ Prior to 20.03.23, please deregister only in the Online Services. The examination rooms will be published by 26.5.23.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Students should either have passed 10130 (Einführung in die VWL) or 48981 (Intensive Introduction to Intermediate Economics). If you have done 10130, it is recommended (but not required) to also do intermediate microeconomics (10134) before starting environmental and resource economics.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOa. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studeseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	The course will be taught "in class".

Modul: Interdisziplinäre Forschung zu Nachhaltigkeit

50399-01	Kolloquium: Introduction to Ongoing MSD Master's Thesis	1 KP
Dozierende	Basil Bornemann Patricia Holm Frank Christian Krysiak	
Zeit und Ort	Fr 14:15-19:00 - Online Präsenz -	
Datum	24.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Semester	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
Lernziele	Students - learn to perceive and understand other presentations; - get insights into other SD research topics;	



- learn to give constructive, specific feedback and to discuss the presented research topics;
- learn to pose interesting questions on other student's presentations.

Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium on "ongoing master's thesis" is the first one to be attended (= colloquium A). The participants learn to understand the presented research designs, pose questions, and learn to give feedback.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance (online presence). Details regarding course assessment according to information of the lecturers at the beginning of the first meeting.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD-students. NO other students admitted.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five). Exclusively for MSD-students. NO other students admitted.
Bemerkungen	Schedule spring semester 2023: Meeting 1: 24.02.23: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 05.05.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 02.09.23: starts at 14.15h (duration depends on the number of presentations, only presentations of results). Meeting 4: 09.06.23: starts at 14.15h (duration depends on the number of presentations, only presentations of concepts). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the colloquia take place). This course is offered by the MSD: Prof. Dr. Patricia Holm is the main lecturer.

52317-01	Kolloquium: Presentation of Concepts of MSD Master's Thesis	1 KP
Dozierende	Basil Bornemann Patricia Holm Frank Christian Krysiak	
Zeit und Ort	Fr 14:55-19:00 - Online Präsenz -	
Datum	24.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Semester	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
Lernziele	Participants learn - to present research questions and a research concept to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and concepts from other disciplines; - to provide constructive feedback to their fellow students.	
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the second one (= colloquium B). The participants present the research questions and the research design used in their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the research design.	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	Pass / Fail	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	



Hinweise zur Leistungsüberprüfung	Compulsory attendance (online presence). Oral presentation of 15' minutes, followed by questions and a discussion. The presentations are to be uploaded on ADAM by the presenters until Wednesday/noon before Friday of the presentation.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the MSD 2017 whose application of the "master's thesis" has been approved by the teaching committee. Students are supposed to present during the first session of the colloquium after approval (usually takes place 10 days later).
Anmeldung zur Lehrveranstaltung	Course enrollment on MOOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five). Exclusively for MSD-students. NO other students admitted.
Bemerkungen	Schedule spring semester 2023: Meeting 1: 24.02.23: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 05.05.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 02.09.23: starts at 14.15h (duration depends on the number of presentations, only presentations of results). Meeting 4: 09.06.23: starts at 14.15h (duration depends on the number of presentations, only presentations of concepts). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the colloquia take place). This course is offered by the MSD: Prof. Dr. Patricia Holm is the main lecturer.

53982-01	Kolloquium: Presentation of Results of MSD Master's Thesis	1 KP
Dozierende	Basil Bornemann Patricia Holm Frank Christian Krysiak	
Zeit und Ort	Fr 14:45-19:00 - Online Präsenz -	
Datum	24.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Semester	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
Lernziele	The students learn - to present research questions and a research results to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and results from other disciplines; - to provide constructive feedback to their fellow students.	
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the third and last one (= Colloquium C). The participants present the results of their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the results of their theses.	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	Pass / Fail	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Compulsory attendance (online presence). Oral presentation of 15' minutes, followed by questions and a discussion. The presentations are to be uploaded on ADAM by the presenters until Wednesday/noon before Friday of the presentation. Presenters have to register for a presentation on doodle: https://doodle.com/poll/gj3m2s83tybyqgg?utm_source=poll&utm_medium=link NOTE: for June 2023, the presenters have to choose the DD.06.23. for the presentation of results (the other date in June is reserved for presentations of concepts).	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	Online-Veranstaltung	
Unterrichtssprache	Englisch	



Teilnahmevoraussetzungen	Only for students of the MSD 2017 who are already able to present the results of the master's theses. The theses have to be completed at least up to 80% or may have already been submitted prior to the final presentation.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five). Exclusively for MSD-students. No other students admitted. Presenters have to register for a presentation on: https://doodle.com/poll/gi3m2s83tybyqgg?utm_source=poll&utm_medium=link NOTE: for June 2023, the presenters have to choose the DD.06.23. for the presentation of results (the other date in June is reserved for presentations of concepts). For prerequisites see "Admission requirements". Presentation time slots according to announcements.
Bemerkungen	Schedule spring semester 2023: Meeting 1: 24.02.23: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 05.05.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 02.09.23: starts at 14.15h (duration depends on the number of presentations, only presentations of results). Meeting 4: 09.06.23: starts at 14.15h (duration depends on the number of presentations, only presentations of concepts). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the colloquia take place). This course is offered by the MSD: Prof. Dr. Patricia Holm is the main lecturer.

43494-01	Kolloquium: Survey Research Methodology	3 KP
Dozierende	Daniel Auer	
Zeit und Ort	Fr 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37	
Datum	10.03.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development) Modul: Specific Electives in Finance, Controlling, Banking (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Technology Field (Masterstudium: Business and Technology) Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
Lernziele	1. Learn survey and survey experiment methods from an applied, practical point of view, 2. Learn how to use them in research by doing, 3. Learn fundamental and application of causal inference.	
Inhalt	The course is an applied methods colloquium taught at a master's degree level. The main goal is to prepare us for conducting simple research and writing a short version of an academic report using a survey or survey-experiment method. The course covers two major areas: (1) the nature of surveys, including the typical psychology of attitude expressions, issues of question wording, context, and social desirability. Moreover, we learn how to implement online surveys; (2) the logic of causal inference and how to analyze and interpret treatment effects (for survey experiments). Survey-based data collection enables various interesting empirical studies. For example, public opinion studies investigate simple but fundamental puzzles around us. Why did (or did not) somebody vote, think, or behave in a certain way? Would people hold different perceptions on the same topic, product, or policy if some "X" happened? We will cover related theory and discuss contemporary empirical applications from economics, political science, and sociology. In parallel, students will draft and field their own surveys. The topic can be chosen freely and may relate to students' term papers or MA theses.	



The goal of the practical part of this course is to highlight advantages and caveats of survey research in a hands-on manner.

For learning about and conducting surveys and survey experiments, we will use Qualtrics as a survey software and Stata for computing simple statistics, such as treatment effects. (Students are welcome to use R for their own analyses but the applied sessions in class will only cover Stata).

Basic knowledge of statistics and regressions (e.g., OLS) is beneficial. If you have concerns about necessary prerequisites, do not hesitate to contact me at the beginning of the semester (daniel.auer@unibas.ch).

Literatur
Weblink
Leistungsüberprüfung
Skala
Wiederholungsprüfung
An-/Abmeldung zur Prüfung
Hinweise zur Leistungsüberprüfung

Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen

tba
<https://daniel-auer.com/teaching/>
Leistungsnachweis
Pass / Fail
keine Wiederholungsprüfung
Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
(1) Active participation, (2) Presentation of a scientific study/design challenge, (3) Written seminar paper (3000 words).
beliebig wiederholbar
kein spezifischer Einsatz
Englisch

The course will use examples from economics, political science, and sociology, often related to inequality, attitudes, and individual preferences. For class assignments and research notes, however, students can choose their own topic of interest. Basic knowledge of sampling and statistics is useful. Basic knowledge of Stata is also useful (R as an alternative).

Participation rule for MSD students: This is a mandatory class for all MSD students. Nonetheless, if you have attended the colloquium "50768: Survey Data Collection and Analytics" with Prof. Dr. A. Kachi and earned CP for it in a former semester you are not allowed to enrol for this colloquium 43494 and therefore, cannot earn CP anymore.

Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MOA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.

Bemerkungen

Students are asked to bring their own laptops to the classes and have Stata installed. The course will be taught "in class".

60867-01	Kurs: Qualitative Research in Sustainability Science	3 KP
	Dozierende	Annika Sohre
	Zeit und Ort	Mo 12:15-14:00 Vesalianum, Seminarraum (O2.02)
	Datum	20.02.2023
	Intervall	wöchentlich
	Angebotsmuster	unregelmässig
	Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
	Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
	Lernziele	By the end of the semester the participants will have acquired the skills to carry out interviews and content analysis in the field of sustainability research.
	Inhalt	This hands-on course will teach techniques of qualitative methods in the social sciences, with a particular focus on interviews and content analysis. It will include background and practical aspects of data collection and data analysis. Specifically, in plenary sessions participants will gain a background on qualitative methods, on data collection (e.g., sampling strategies, techniques for developing guidelines ("Leitfaden"), according to different research designs, techniques for conducting interviews, dos and don'ts, challenges, recording and transcriptions, ethics, etc.) and on data analysis (content analysis, reference to MaxQDA and other analytical methods like discourse analysis/ ethnographic methods).



Literatur	<p>Recommendation (to orient yourself, details will be provided during the semester): Fahy, F., & Rau, H. (Eds.) (2013). <i>Methods of Sustainability Research in the Social Sciences</i>. London: Sage Publications. Kruse, J., & Schmieder, C. (2014). <i>Qualitative Interviewforschung</i>. Beltz Juventa. Mayring, P. (2004). Qualitative content analysis. <i>A companion to qualitative research</i>, 1(2004), 159-176. Moses, J. W., & Knutsen, T. L. (2012). <i>Ways of knowing: Competing methodologies in social and political research</i> (2nd ed.). New York, NY: Palgrave Macmillan. Ritchie, J., Lewis, J., Nicholls, C. M., & Ormston, R. (Eds.). (2013). <i>Qualitative research practice: A guide for social science students and researchers</i>. Sage. Weis, L., & Fine, M. (2000). <i>Speed bumps: A student-friendly guide to qualitative research</i>. Teachers College Press.</p>
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence. Students will be divided into working groups to develop, collect data on and analyse interviews. Each group will present the results of their research and write a group report.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	NO other students admitted. Only for MSD students (incl. MSD preparation semester) and those of the IJDS.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
Bemerkungen	<p>Only for MSD students (incl. MSD preparation semester) and those of the IJDS. All MSD students have to attend a methods course in social science within the IRS module. By default they have to attend this course (60867 Kurs: Qualitative Research in Sustainability Science). Students with a social science background who can demonstrate that they already have the knowledge taught in this course may take an alternative class according to the details recorded in the medium-term syllabus/spring semester 2023. No other module allocation possible.</p> <p>This course is offered by MSD. Dr. A. Sohre is a Senior Researcher of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences and head of the research network "Sustainable Future" (Univ. of Basel).</p>

50729-01	Projekt: Training for Sustainability Research	6 KP
Dozierende	Marius Christen Patricia Holm Christian Nolde Iljana Schubert	
Zeit und Ort	Do 08:15-10:00 Kollegienhaus, Mehrzweckraum 035 plenary sessions on: 1: 23.02.23: 08.15-10.00 am; 2: 16.03.23: 08.15-10.45 am; 3: 27.04.23: 08.15-10.45 am; 4: 25.05.23: 08.15-11.45 am.	
Datum	23.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
Lernziele	Participants learn to work in an interdisciplinary group on a topic that is linked to sustainability research. They acquire practical knowledge regarding the interfaces between disciplines in sustainability research and methods for combining perspectives from different disciplines. Further, they gain knowledge about relevant ecological, economic and societal aspects of the problem of invasive species. In addition, participants expand their skills in team and project management.	



Inhalt	Participants will work in small, interdisciplinary groups on pre-selected topics of sustainability research. The topics will be linked to on-going research on aquatic invasive species. The group work will mainly build on existing studies; they will assess and link scientific literature from the different disciplines and combine these studies to a consistent interdisciplinary review. Goal is to come to scientifically sound policy recommendations, thoroughly considering scientific knowledge and experiences made with aquatic invasive species in various contexts. The emphasis is thus on identifying relevant literature, specifying the research question(s), and combining disciplinary debates to an overall perspective. To this end, participants will get both a joint supervision focusing on how to combine disciplinary approaches and a group-specific supervision focusing on the topic set for the group work.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Groups hand in a joint essay; presentations of group work.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for MSD students (incl. MSD preparation semester) and those of the IJSD. NO other students admitted.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
	Only for MSD students (incl. MSDpreparation semester) and those of the IJSD. NO other students admitted.
Bemerkungen	Mandatory for all students of MSD 2017. plenary sessions on: meeting 1: 23.02.23: 08.15-09.45 am; meeting 2: 16.03.23: 08.15-10.45 am; meeting 3: 27.04.23: 08.15-10.45 am; meeting 4: 25.05.23: 08.15-11.45 am (incl. final presentations).
	Meetings in between with faculty representatives according to announcements. This course is offered by MSD. Prof. P. Holm, NN and Prof. Dr. F. Krysiak, are heading the MSD teaching committee. Dr. M. Christen and Dr. I. Schubert hold teaching assignments.

48955-01 Seminar: Tools and Methods of Natural Sciences Research 3 KP

Dozierende	Gabriel Erni Cassola
Zeit und Ort	Fr 10:15-12:00 Vesalianum, Praktikumsraum (O1.20)
Datum	24.02.2023
Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	The students - understand the difference between a scientific and a non-scientific approach to a question; - can formulate scientific hypotheses and can distinguish them from a question or idea; - know about the difference between (I) empiricism and rationalism , (II) induction and deduction, (III) an observation and an experiment, (IV) descriptive and experimental approaches; - understand the influence of observer, equipment, and experimental design on the outcome of an experiment; - understand the importance of positive / negative controls and standards; - know natural science methods from fields that are important in the context of sustainability, such as molecular species identification, characterising air pollution, microplastics pollution, ecotoxicological assays, obtaining palaeoenvironmental data, and others; - and know what kind of information these methods can provide and are aware of their limitations.
Inhalt	We will mix lectures, case studies, and self-organized work shadowing to gain knowledge about selected methods and approaches of the natural sciences. G. Erni Cassola will provide input on the scientific method in general and on specific methods, occasionally with the help



of guest speakers.

In addition, students will collect methodological expertise during work shadowing and literature work. The seminar will focus on methods which are relevant for sustainable development topics.

Literatur

Optional reading:

Godfrey-Smith, Peter (2003): Theory and Reality: An Introduction to the Philosophy of Science. The University of Chicago Press: Chicago and London.

Material handed out during the semester/seminar.

Leistungsüberprüfung

Lehrveranst.-begleitend

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren

Hinweise zur Leistungsüberprüfung

Regular attendance, active participation, oral presentation and written report.

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Only for MSD students (incl. MSD preparation semester). NO other students admitted.

Anmeldung zur Lehrveranstaltung

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).

Bemerkungen

All MSD students have to attend a methods course in natural science within the IRS module. By default they have to attend this course (48995: Tools and Methods of Natural Sciences Research). Students with a natural science background who can demonstrate that they already have the knowledge taught in this course may take an alternative class according to the details recorded in the medium-term syllabus/spring semester 2023. No other module allocation possible.

This seminar is offered by MSD. Dr. Gabriel Erni Cassola is a staff member of MGU (Mensch-Gesellschaft-Umwelt), Dep. of Environmental Sciences, Faculty of Natural Sciences.

Modul: Kernbereich Naturwissenschaften

24172-01	Exkursion: Marine Biological Considerations at the Strait of Gibraltar		3 KP
	Dozierende	Serena Abel Patricia Holm	
	Zeit und Ort	Di 18:15-19:15 Vesalianum, Seminarraum (O2.02) Preliminary meeting: 21.02.22: 18.15-aprox. 19.15h; two preparation days in June prior to field trip, which takes place: Sun 25.06.23 (arrival) - Sun 02.07.23 (departure).	
	Datum	21.02.2023	
	Intervall	unregelmässig	
	Angebotsmuster	Jedes Frühjahrsem.	
	Anbietende Organisationseinheit	Departement Umweltwissenschaften	
	Module	Lehrveranstaltungen Masterstudium Biologie der Tiere (Masterstudium: Biologie der Tiere) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie (Studienbeginn vor 01.08.2022)) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)	
	Lernziele	Students - are able to distinguish key species of the food web; - have a knowledge about their habitat requirements and basic knowledge on their interactions with abiotic and biotic factors in their ecosystem; - know typical fields of conflict between man and nature; and are able to critically discuss possible solutions.	
	Inhalt	Practical studies of the food web (plankton, invertebrates, predators) and key aspects of a selected ecosystem. Theoretical background of selected topics at the intersection of aquatic biology of either freshwater or marine systems in interaction with anthropogenic factors.	
	Literatur	tba	
	Leistungsüberprüfung	Lehrveranst.-begleitend	
	Skala	1-6 0,1	
	Wiederholungsprüfung	keine Wiederholungsprüfung	



An-/Abmeldung zur Prüfung
Hinweise zur Leistungsüberprüfung
Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
 Oral presentation, practical work, final report. Mandatory attendance.
 beliebig wiederholbar
 kein spezifischer Einsatz
 Englisch
 Special course application required for ALL (for details see "course application" or "Anmeldung").

Limited number of participants (19), Students of the MSD and those of the mentioned fields of study have a first priority (see list of modules). Students of the bachelor's degree in Biology have been registered at least during 2 semesters in this field of study - incl. spring semester 23).

If you study something different you must do at least a master's degree within the Department of Environmental Sciences/Faculty of Sciences and may attend the course in case of vacancies.

MSD 2017

Students of the MSD who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (or at least earned 8 CP; incl. spring semester 2022).

Anmeldung zur Lehrveranstaltung

Please note entry requirements (for details see section "admission requirements").

Mandatory application for ALL! Link open from 21.02.23/7.15 pm-08.03.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html

Login and application only possible with open link. Link guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.

In case of vacancies the online application link remains open until 19.03.23/ midnight.

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Bemerkungen

Note: Special course inscription and entry requirements!

Within the MSD, credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in natural sciences may also accredit the course within the published module.

Schedule:

- preliminary meeting: 21. February 2023, 18.15h; seminar room 02.02, Vesalianum, Vesalgasse1/2nd floor.
- preparation meetings: 21. & 22. June 2023, 09.15 - approx. 16.00h, seminar room 02.02, Vesalianum, Vesalgasse1/2nd floor.
- field trip: Sun 25.06.23 (arrival day) - Sun 02.07.23 (departure day). Details will be provided to participants in due time.

This field trip is offered by the MSD. Prof. Dr. Patricia Holm is a member of the teaching committee MSD. Furthermore, she heads the research group Man-Society-Environment (Mensch-Gesellschaft-Umwelt MGU) and the program "Pathways to sustainability". Serena Abel is a post doc team member of the research group MGU.

67652-01 Kolloquium: MSD Life Science

1 KP

Dozierende

Gabriel Erni Cassola

Patricia Holm

Zeit und Ort

Di 16:15-17:00 Vesalianum, Seminarraum (02.02)

Teaching dates according to information of Prof. Dr. P. Holm, see details on ADAM folder of this course.

Datum

21.02.2023



Intervall	wöchentlich
Angebotsmuster	einmalig
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
Lernziele	Participants will - practice and improve their performance skills in the context of a presentation of scientific scientific data; - practice and improve their ability to critically discuss scientific articles; - acquire knowledge about current topics, approaches and methods of scientific sustainability research (from the perspective of the natural sciences).
Inhalt	- Current topics, scientific approaches and new methods in ecology and sustainable development; - presentation and discussion of own research projects (including master's theses); - presentation and discussion of important, groundbreaking publications.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Regular attendance mandatory. Oral presentation. Details according to information of P. Holm.
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for MSD-students with focus area in natural sciences; and PhD students, post docs and staff members of MGU.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five). Please check dates in the ADAM folder of this course.
Bemerkungen	MSD: Compulsory course for ALL students with focus area in natural sciences (regardless of how the supervision and assessment of the Master's thesis is going to be organized). When to enroll for the colloquium is determined in consultation with Prof. Dr. P. Holm. Furthermore, the colloquium is for PhD students of MGU. The crediting of the course is arranged in consultation with P. Holm. This course is offered by MSD. Prof. Dr. P. Holm is head of MGU and "Pathways of Sustainability" (TQNE) and is member of the teaching committee MSD.

23832-01	+ Vorlesung: Oceanography: Regional Oceanography and Marine Ecosystems	2 KP
Dozierende	Moritz Lehmann	
Zeit und Ort	Do 10:15-12:00 Bernoullistrasse 30/32, Hörsaal 103	
Datum	23.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Geowissenschaften	
Module	Modul: Aquatic and Isotope Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
Lernziele	Ziel der Vorlesungsveranstaltung ist es, ein besseres Verständnis der physischen, chemischen, und biogeochemischen Verhältnisse typischer mariner Ökosysteme und ausgewählter Meeresgebiete zu erlangen.	
Inhalt	Aufbauend auf der Vorlesung Umweltsystem Ozean I: Einführung In die Ozeanographie werden in einer Einführung die wichtigsten Grundlagen der modernen Ozeanographie und der grossskaligen Hydrographie der Ozeane wiederholt. Es wird konkret auf Verhältnisse in bestimmten Meeresregionen (tropisch, subtropisch, polar, Auftriebsgebiete, Randmeere) eingegangen und Besonderheiten der verschiedenen marinen Ökosysteme (z.B. Schelfmeere/ Küste, Tiefsee, ästuarine Systeme) besprochen. Dabei werden speziell auch biogeochemische Prozesse behandelt, welche an den Grenzschichten zur Atmosphäre und zu den Sedimenten stattfinden.	
Literatur	Es werden wöchentlich vorlesungsbegleitende Unterlagen (PPT-Präsentationen) und ggf. Artikel aus wissenschaftlichen Zeitschriften ausgegeben. Bücher:	



- The Open University. Oceanography Course Team. Mehrere Bände, Pergamon Press 1989 ff
 - Tomczak und Godfrey: Regional Oceanography: An Introduction, Pergamon Press, 1996
<https://duw.unibas.ch/de/bgc/>
 Lehrveranst.-begleitend
 1-6 0,5
 keine Wiederholungsprüfung
 Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
 Semesterendklausur und Referat zu ausgewählten Themen der Vorlesung.
 beliebig wiederholbar
 Online-Angebot fakultativ
 Deutsch
 In der zweiten Semesterhälfte findet die Vorlesungsveranstaltung im Seminarstil statt.

27336-01	Vorlesung: Pflanzenschutz und nachhaltiger Pflanzenbau	1 KP
	Dozierende	Pascale Flury Dominik Klauser
	Zeit und Ort	Di 16:15-18:00 Bernoullistrasse 30/32, Hörsaal 103
	Datum	21.02.2023
	Intervall	14-täglich
	Angebotsmuster	Jedes Frühjahrsem.
	Anbietende Organisationseinheit	Integrative Biologie
	Module	Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften) Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie (Studienbeginn vor 01.08.2022)) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)
	Inhalt	Die Vorlesung gibt einen allgemeinen Überblick über die wichtigsten Pflanzenschutzmethoden und -konzepte. Dies beinhaltet biologische, chemische and physikalische Ansätze für den Pflanzenschutz sowie Methoden zur Resistenzzüchtung bei Nutzpflanzen. Themenschwerpunkte: Bedeutung des Pflanzenschutzes in der Landwirtschaft, wichtigste Pflanzenkrankheiten und -schädlinge, Methoden des Pflanzenschutzes, integrative Ansätze, Verhinderung der Resistenzbildung bei Schädlingen und Krankheitsserregern. **** This lecture provides an overview on the most important methods and concepts in Crop Protection. This includes chemical, biological, physical and agronomic concepts for managing biotic and abiotic stresses. Furthermore, breeding-based approaches will also be considered. Scripts will be provided on the ADAM platform the day before the lecture. https://adam.unibas.ch/goto.php?target=crs_1018042&client_id=adam
	Literatur	
	Weblink	https://adam.unibas.ch/goto.php?target=crs_1018042&client_id=adam
	Leistungsüberprüfung	Lehrveranst.-begleitend
	Skala	1-6 0,5
	Wiederholungsprüfung	keine Wiederholungsprüfung
	An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
	Hinweise zur Leistungsüberprüfung	Written exam 45 minutes, 16.05.2023, 16:15h, Bernoullistrasse 30/32, lecture hall 103
	Belegen bei Nichtbestehen	beliebig wiederholbar
	Einsatz digitaler Medien	kein spezifischer Einsatz
	Unterrichtssprache	Englisch
	Anmeldung zur Lehrveranstaltung	
	Bemerkungen	The lecture will be given in German or English, as necessary.

50264-01	Vorlesung mit Übungen: Global Change Ecology	3 KP
	Dozierende	Serena Abel
	Zeit und Ort	Fr 08:15-10:00 Vesalianum, Seminarraum (O2.02)
	Datum	24.02.2023
	Intervall	wöchentlich
	Angebotsmuster	Jedes Frühjahrsem.
	Anbietende Organisationseinheit	Departement Umweltwissenschaften
	Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)



Lernziele	<p>The students</p> <ul style="list-style-type: none">- understand the ecological effects of global change in different ecosystems and can explain patterns and the underlying mechanisms;- can critically analyze existing research approaches and available data in the context of global change ecology;- can identify the interface between the approach of ecological sciences and other sciences to describe and understand global change;- understand the challenges of finding solutions to the negative effects of global change.
Inhalt	<p>We will treat the ecological relationships of global change following a hierarchical flow: going from basic food web effects to multiple trophic relationships, eventually including humans as recipients and agents of global change.</p> <p>Furthermore, we will frequently use aquatic ecosystems as case studies because they are disproportionately affected by global change and their ecosystem services are especially threatened and especially important to humans.</p> <p>Finally, we will consider global change beyond climate change and will treat land-use change, global transport and trade, change of human consumption patterns and pollution, global energy system change, species extinctions and invasions, and more.</p> <p>Specific topics include (but are not limited to!):</p> <ol style="list-style-type: none">1) eco-evolutionary effects of land-use change and eutrophication, including a discussion of mitigation measures and socio-cultural effects;2) ecological effects of earlier spring across multiple species in terrestrial food webs;3) ecological effects and ecosystem service changes due to global species extinctions;4) ecological and socio-economic effects of the global renewable energy development, including a discussion of future solutions;5) human consumption patterns and ecological effects of microplastics pollution, including a discussion of the feasibility of existing solutions;6) ecological and socio-economic effects and transdisciplinary management approaches of biological invasions, including a discussion of currently available management options. <p>The lecture</p> <ul style="list-style-type: none">- will be research-based. It will include specific case studies from the primary literature and will connect to current ongoing research;- will also include application sections focusing on the discussion of existing solutions for mitigating the negative ecological effects of global change;- will include specific local connections to the situation in Switzerland. <p>Practical course:</p> <p>As a practical part each student will create a learning portfolio in parallel to the lecture. In this portfolio key questions raised in the lectures will be answered by students off class using own resources (e.g. literature research).</p> <p>The portfolios will be collected and commented by peers and the lecturer. Based on this feedback the portfolios are developed as a complementary resource to the lecture slides in preparation for the final written exam. The portfolios serve to practice the access to the course and exam content but will not be graded.</p>
Literatur	Research articles as pdf-upload on ADAM will be supplied during the course.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Regular attendance, readings, create a learning portfolio. Written examination: 09.06.2023, during usual lecture time, room tba. Repetition exam: details tba.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Mandatory course application, for details see "course application" or "Anmeldung". Limited number of participants (25). Students of the MSD (incl. MSD preparation semester) have a first priority. Non-MSD students must be studying a master's degree within the Department of Environmental Sciences/Faculty of Sciences and can attend this class in case of vacancies.
	<p>MSD 2017</p> <p>Students who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (at least 8 CP).</p>



Anmeldung zur Lehrveranstaltung

Please note entry requirements (for details see section "admission requirements").

Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html

Login and application only possible with open link. Link guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.

In case of vacancies the online application link remains open until 06.03.23/noon.

Course enrollment on MOOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Bemerkungen

Please note the specific entry requirements and mandatory course application procedure (additional to registration on MOOnA). For details see section "admission requirements".

MSD 2017

Mandatory lecture for MSD students with focus area in natural sciences, CP can only be recognized for the published module.

Students with focus area in social sciences or in economics have to transfer the credit points to the FASR module (learning agreement).

This lecture is offered by MSD. S. Abel is a post doc staff member of Man-Society-Environment (MGU), Dep. Environmental Sciences, Faculty of Sciences.

60310-01	Vorlesung mit Übungen: Introduction to Organic Farming Systems	3 KP
	Dozierende	Paul Mäder
	Zeit und Ort	Fr 12:15-14:00 Botanik, Hörsaal 00.003
	Datum	24.02.2023
	Intervall	wöchentlich
	Angebotsmuster	Jedes Frühjahrsem.
	Anbietende Organisationseinheit	Integrative Biologie
	Module	Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften) Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie) Modul: Geography and Climatology (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Landscape Systems (Masterstudium: Geowissenschaften) Doktorat Botanik: Empfehlungen (PF - Botanik)
	Lernziele	The students are familiar with the principles and practices of organic farming. They can evaluate the strength and weeks of the farming systems and know the specific challenges in the areas of soil management, plant production and animal husbandry. The students are capable to judge critically the solutions of organic agriculture in view of a sustainable production. Detailed "Lernziele" will be provided for each lecture on ADAM.
	Inhalt	Deepening knowledge in farming systems is essential because agriculture is one major driver for environmental pressures through land use change and the use of inputs in form of energy, fertilizers and pesticides. In the last decade there was a strong growth of certified organic farming at the National and International scale. The European Commission aims at increasing Organic farming in Europe to 25% until 2030, as it is considered as one promising option to solve the current problems of intensive agriculture encountering loss of soil fertility, decrease of biodiversity, the excessive use of natural resources and climate change. The lecture is organised as a lecture series ("Ringvorlesung"), where experts in their respective disciplines in soil, plant and animal sciences and socioeconomics will outline the principles and practises of organic agriculture, amended by case studies. In a group exercise, the students will develop their own thoughts on future developments and resilience aspects of organic farming in one topic presented in the lectures, and will display their outcomes as either poster or Power point. On a half-day excursion the theoretical material is illustrated on a long-term system comparison experiment and a practical farm in the valley of Leimen. Lecture 1: Introduction (Paul Mäder, Bernadette Oehen) Lecture 2: Soil (Paul Mäder) Lecture 3: Plant production (Knut Schmidtke, Else Bünemann) Lecture 4, 5: Agro-Biodiversity and plant protection (Lucius Tamm, Mariateresa Lazzaro, Theres Rutz, Fabian Cahenzli)



Lecture 6: Food quality (Bernadette Oehen, Farzaneh Mahdipour)
 Lecture 7: Animal husbandry (Florian Leiber)
 Lecture 8: Food systems (Jörn Sanders, Marc Cotter)
 Lecture 9: Sustainability (Christian Schader)
 Lecture 10: Presentation of group work and discussion: Resilience and future development of organic farming (Bernadette Oehen, Paul Mäder)
 Lecture 11: Excursion to the DOK long-term system comparison experiment and Agrico (community supported agriculture), both Birsmatthof, Therwil (Paul Mäder, Hans-Martin Krause, Alexander Tanner)

Weblink https://adam.unibas.ch/ilias.php?ref_id=1106542&cmd=return&cmdClass=ilrepositorygui&cmdNode=w4&baseClass=ilRepositoryGUI&redirectSource=ilobjfilegui&cmdMode=

Leistungsüberprüfung
Skala 1-6 0,5
Wiederholungsprüfung keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung 1. Exercise as group work on future development of organic agriculture and resilience aspects, focussing on one subject; presentation of this group work in form of a poster.
 2. Written exam: 02.06.2023, 12:15-13:30 Uhr, Bernoullistr. 30/32, Hörsaal 223
 Preconditions for the exam: presentation of group work

Belegen bei Nichtbestehen beliebig wiederholbar
Einsatz digitaler Medien kein spezifischer Einsatz
Unterrichtssprache Englisch
Teilnahmevoraussetzungen Students of the MSD without background in natural sciences, and who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (or at least earned 8 CP). Credit points are to be transferred to the FASR module (with learning agreement).

Bemerkungen Lecturers: Experts of the respective disciplines at FiBL, actively involved in national and European research with a strong link to practical farmers.

23839-01 Vorlesung mit Übungen: Introduction to Research Projects of Environmental Geosciences and Biogeochemistry 4 KP

Dozierende **Christine Alewell**
 Surya Gupta
 Sarah Nemiah Ladd
 Moritz Lehmann

Zeit und Ort Fr 09:00-17:30 Bernoullistrasse 30/32, Hörsaal 223
 Vorbesprechung Di 21.2.2023 ab 16:30 Uhr online Zoom ID 621 8233 4080

Datum 17.03.2023
Intervall unregelmässig
Angebotsmuster Jedes Frühjahrssem.
Anbietende Organisationseinheit Geowissenschaften
Module Modul: Aquatic and Isotope Biogeochemistry (Masterstudium: Geowissenschaften)
 Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021))
 Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
 Modul: Sustainable Resource and Soil Management (Masterstudium: Geowissenschaften)

Lernziele Das Verständnis für komplexe Fragestellungen in aktuellen Forschungsprojekten soll gefördert werden. Gleichzeitig werden die in vorausgegangenen Lehrveranstaltungen gelegten Grundkenntnisse in Biogeochemie, Bodenkunde und Isotopengeochemie vertieft.

Inhalt Die Dozierenden stellen Hintergründe, Fragestellung und Ergebnisse aus Forschungsprojekten und aktuellen Fragestellungen der Umweltgeowissenschaften und Biogeochemie vor. Dabei wird vor allem auf die Aufarbeitung der theoretischen Hintergründe Wert gelegt. Daneben wird die Diskussion von Übertragbarkeit der Ergebnisse zwischen verschiedenen räumlichen Skalen oder auch die Bedeutung der Forschungsergebnisse in der Praxis ein Rolle spielen. Inhaltlich werden Beispiele aus der terrestrischen und aquatischen Biogeochemie, Bodenkunde und Isotopengeochemie behandelt.

Weblink <https://duw.unibas.ch/de/umweltgeowissenschaften/>

Leistungsüberprüfung
Skala 1-6 0,5
Wiederholungsprüfung keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung Mündliches oder schriftliches Referat. Eine Wiederholungsprüfung ist möglich.
Belegen bei Nichtbestehen beliebig wiederholbar
Einsatz digitaler Medien Online-Angebot fakultativ



Unterrichtssprache	Deutsch
Teilnahmevoraussetzungen	Die Lehrveranstaltung richtet sich an Studierende des Masters Geowissenschaften mit der Vertiefung in Aquatic and Isotope Biogeochemistry oder Sustainable Resource and Soil Management. Andere Masterstudierende der Geowissenschaften sind willkommen.
Bemerkungen	In der Wegleitung 2019 ist dies eine Pflichtlehrveranstaltung im Modul "Environmental Geosciences and Biogeochemistry" - Titel damals: Pedosphere and Hydrosphere - Biogeochemistry and Modelling of Element and Sediment Cycling. Veranstaltung an 4 Freitagen im Semester, jeweils von 9:00 bis 17:00 Uhr. Ganztägige Anwesenheit an allen Veranstaltungstagen ist Pflicht.

Modul: Kernbereich Gesellschaftswissenschaften

43667-01	Seminar: Changing Individual Energy Behaviour - Approaches and Strategies	3 KP
Dozierende	Iljana Schubert	
Zeit und Ort	Do 14:15-16:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
Datum	23.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	You will - learn disciplinary approaches about changing individual energy behaviour from economics, psychology, sociology etc.; - understand the benefits and the necessity of an interdisciplinary (and transdisciplinary) approaches to understand changes in individual energy behaviour; - be able to identify different intervention and governance strategies to change individual energy behaviour; - apply your understanding through activities in different seminar session.	
Inhalt	Transforming today's energy systems in industrialized countries includes a substantial reduction of the total energy consumption at the individual level. Selected instruments have been found to be effective in changing people's behaviour in single domains, however, households seem to be quite inert in their energy consumption. Although small process has been made to reduce the overall energy consumption this is not enough. In addition, our understanding of the determining factors of individual energy consumption as well as of its change is growing but still far from being conclusive. In this seminar, we think about households or individuals of consumers of energy services rather than energy consumers per se. This viewpoint widens the horizon to also include people's („socially constructed“) wants. We will introduce different disciplinary approaches from the field of changing individual energy behaviour and also different domains of behaviour change to clarify the diverging perceptions of the opportunities to change behaviour. For example, in economics, energy is often seen as a commodity and consumers will adapt usage in response to price signals. In psychology, on the other hand, energy use is understood as being affected by norms, values and perceived ability to change behaviour, to name a few mechanisms for promoting change. Sociology is often not looking at individuals but at practices displaying social meanings in relation to „materials“, for example. Having revealed strengths and weaknesses of these different approaches we will look at an interdisciplinary framework which integrates the different perspectives and think about how inter- and transdisciplinary research can advance the field and changes in society. Finally, we will further investigate and discuss the prospects and limitations of different intervention and governance strategies (on multiple levels) that are directed at changing individual energy behaviour.	
Literatur	tba in class	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, written essay.	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	



Teilnahmevoraussetzungen	<p>Special course application required for ALL (for details see 'course application' or 'Anmeldung').</p> <p>Limited number of participants (25), Students of the MSD (incl. MSD preparation semester) and JIDSD have a first priority, those of the listed programs (see list of modules) have a second priority. If you study something different you must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies (= third priority).</p>
Anmeldung zur Lehrveranstaltung	<p>MSD 2017 MSD students who have chosen the focus area in natural sciences or in economics must have completed (or at least 8 CP) the "Complementary Knowledge in Social Sciences" module. Please note entry requirements (for details see section "admission requirements").</p> <p>Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html</p> <p>Login and application only possible with open link. Link guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.</p> <p>In case of vacancies the online application link remains open until 06.03.23/noon.</p> <p>Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).</p>
Bemerkungen	<p>Please note entry requirements and mandatory course application procedure (additional to registration on MOnA).</p> <p>MSD 2017 For students with focus area in social sciences the seminar is optional for the "Core Competences in Social Sciences" module. Transfer of credit points to the "Focal Areas in Sustainability Research" module (learning agreement) is possible for all students.</p> <p>This course is supported by "Impuls". Impuls supports lecturers and students in implementing projects related to the Sustainable Development Goals (SDGs) as part of their courses. The funding from Impuls is intended to train students to become change agents for sustainability and to inspire and enable them to use these competences for sustainable(re) development in their later professional and private lives. More information on the impuls program is available on the website: www.unibas.ch/impuls.</p> <p>This seminar is offered by the MSD. Dr. Iljana Schubert is a member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.</p>

67896-01	Seminar: Conflicts and Controversies in the Water-Energy-Food Nexus	3 KP
Dozierende	Olivier Ejderyan	
Zeit und Ort	Fr 10:15-12:00 Soziologie, Hörsaal 215	
Datum	24.02.2023	
Intervall	wöchentlich	
Angebotsmuster	einmalig	
Anbietende Organisationseinheit	Fachbereich Soziologie	
Module	<p>Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Vertiefungsmodul Global Europe: Friedens- und Konfliktforschung (Masterstudium: European Global Studies)</p> <p>Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)</p> <p>Modul: Erweiterung Gesellschaftswissenschaften B.A. (BSF - Politikwissenschaft)</p> <p>Modul: Politik, Entwicklung und soziale Ungleichheit (BSF - Soziologie)</p> <p>Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft)</p> <p>Modul: Ungleichheit, Konflikt, Kultur (MSF - Soziologie)</p> <p>Modul: Conflicts and Peacebuilding (MSG - Changing Societies: Migration – Conflicts – Resources)</p> <p>Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)</p> <p>Modul: The Urban across Disciplines (MSG - Critical Urbanisms)</p>	



Lernziele	<p>Upon completing this seminar, participants will:</p> <ul style="list-style-type: none"> - Become familiar with current debates in key areas relevant for addressing global environmental challenges and transformations towards to sustainability; - Be able to position their work and themselves within these debates; - Learn how to (efficiently) read an academic paper; - Be able to critically assess an academic paper; - Learn to share their critics in oral and written form.
Inhalt	<p>The notion of Water-Energy-Food nexus points to the interrelated nature of water, energy and food issues. It has become a key focus of multiple initiatives to address global challenges such climate change, biodiversity loss, risk, malnutrition or water inequality and is carried by a range of institutions ranging from the World Economic Forum or the UN's Food and Agriculture Organisation (FAO) to environmental NGOs or academic funders. This nexus approach is presented as a way to deal in an integrated manner with problems in each of these three thematic fields identified as crucial for a transformation towards sustainability. The goal of this seminar is to introduce students to debates about the contested dimensions of the Water-Energy-Food nexus by reading and discussing academic papers from various social science disciplines such as environmental sociology, STS, anthropology, human geography, political science, innovation studies or natural resource management. We will examine how the Water-Energy-Food Nexus is a site of conflicts and controversies at various levels:</p> <ul style="list-style-type: none"> - At the conceptual level, the notion is contested from different angles as being either ill-defined or in the contrary to narrowly focused and power-blind; - At an operational level, various challenges emerge when implementing nexus projects, in relationship to cross-sectoral governance, knowledge integration and trade-offs, or local resistance; - At the level of each sector of the nexus, we focus on socio-technical controversies in water, energy and food projects that entangle technological, environmental and political dimensions.
Literatur	<p>A complete program with weekly readings will be given at the start of the seminar.</p> <p>Cairns, R, Krzywoszynska, A (2016) Anatomy of a buzzword: The emergence of 'the water-energy-food nexus' in UK natural resource debates. Environmental Science & Policy 64: 164-170, https://doi.org/10.1016/j.envsci.2016.07.007</p> <p>FAO (2014) The Water-Energy-Food Nexus A new approach in support of food security and sustainable agriculture. Rome, Food and Agriculture Organization of the United Nations https://www.fao.org/3/bl496e/bl496e.pdf</p> <p>Matenhauer Urbinatti, A, Dalla Fontana, M, Stirling, A, Luiz Giatti, L (2020) 'Opening up' the governance of water-energy-food nexus: Towards a science-policy-society interface based on hybridity and humility. Science of The Total Environment 744: 140945, https://doi.org/10.1016/j.scitotenv.2020.140945</p>
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
Hinweise zur Leistungsüberprüfung	Participants in this seminar are expected to complete the weekly reading in order to be able to participate actively in the discussions. Evaluation will be based on: Active participation; (Co-)moderation of a session; presentation of a paper supported by a handout (2 pages).
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Basil Bornemann	
Zeit und Ort	Di 10:15-12:00 Bernoullistrasse 14/16, Seminarraum 02.004 Seminarraum 02.004	
Datum	21.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European	



Lernziele	<p>Global Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)</p> <p>The participants</p> <ul style="list-style-type: none">- are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them;- have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts. <p>Subject to modifications.</p>
Inhalt	<p>Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society.</p> <p>This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? What are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts? And, what are the implications of environmental change for the ways governance and democracy can be organized at and across spatial and temporal scales?</p> <p>The seminar addresses the relationship between governance, sustainable development and democracy in theoretical and empirical respects. First, it will lay a theoretical fundament by introducing the concepts of governance, sustainable development and democracy. Second, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Third, a number of case studies of sustainability governance in different fields will provide an opportunity to analyze the democratic problem-solving capacity of different governance arrangements in various contexts. Finally, further theoretical and practical perspectives of democratic governance for sustainable development are sketched out.</p> <p>Subject to modifications.</p>
Literatur	Relevant literature tba during the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence, required readings, oral presentation, essay. Details according to information of lecturer.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required (for details see "course application" or "Anmeldung").
	<p>Limited number of participants (25): For students of the MSD with the focus area in natural sciences or economics the seminar is mandatory. This students and those of the JIDSD have a first priority. Students of the MSD with the focus area in social sciences have a second priority, those of the listed programs (see list of modules) have a third priority. If you don't study the MSD or one of the listed programs you must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies (= priority level four).</p> <p>Additional entry requirements for participants who do not study the MSD (incl. preparation semester) or JIDSD: They must have passed successfully one of the following lectures (= credit points already</p>



acquired) during a former semester:
- 11513: Sustainability: A new Societal Paradigm?
- 41829: Perspectives of Social Sciences on Sustainability.

Anmeldung zur Lehrveranstaltung

Please note entry requirements (for details see section "admission requirements").

Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html

Login and application only possible with open link. Link only guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.

In case of vacancies the online application link remains open until 06.03.23/noon.

Bemerkungen

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Please note entry requirements and mandatory course application procedure (additional to registration on MOnA).

MSD 2017

Mandatory for students with focus area in natural sciences and in economics (unless you have passed a similar class in a former semester, then you would have to substitute it by agreement with PD Dr. Basil Bornemann and fix this in a learning agreement).

For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may accredit the credit points for the published module or transfer them to the "Focal Areas in Sustainability Research" module (learning agreement).

The seminar is offered by MSD. PD Dr. B. Bornemann is an interim member of the Teaching Committee MSD, and of the Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel.

67882-01	Seminar: Positive Energy Districts: A New Way to Realize a just Energy Transition?	3 KP
Dozierende	Adam Xavier Gabriel Hearn Darja Mihailova	
Zeit und Ort	Di 08:15-10:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
Datum	21.02.2023	
Intervall	wöchentlich	
Angebotsmuster	einmalig	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The aims of this seminar are to get the students acquainted with this innovative concept, to provide the students an interdisciplinary knapsack of how such socio-technical innovations in urban settings may be analyzed, and to learn in what respect scientific results may serve to help shape future policy making. From a practical point of view, upon completion of this course, students will have a good understanding of how innovative urban areas are planned, implemented and evaluated. They will have a core understanding of some of the most important barriers and opportunities that are faced in PED creation. Although some of these are case specific, learning about these will help to enable students to identify similar issues in other contexts.	
Inhalt	Urban innovative areas such as Positive Energy Districts (PEDs) are thought to facilitate decarbonization by means of technological innovations in order to produce more energy than they consume. At the same time, these are people centered in terms realizing a high quality of life and social inclusiveness. The very idea of such districts fits into the shift from "energy transition" to "just energy transition". However, realizing as well as analyzing such districts or neighborhoods that satisfy the underlying holistic equation of PED = decarbonization + innovation + equity considerations is more than challenging. This seminar is designed to provide different scientific approaches and tools to examine districts which are implemented or planned to be implemented in the near future. We start with an overview of	



PEDs, tracing their development as a concept. We will critically examine different PED and PED like projects in order to understand how these areas may bring both benefits and burdens to citizens by considering among others topics like energy vulnerability, innovation research, quality of life, actor coalitions, new sustainable business models etc. Additional guest speakers will give insights from economic and engineering perspectives.

Literatur

1. https://jpi-urbaneurope.eu/wp-content/uploads/2020/06/PED-Booklet-Update-Feb-2020_2.pdf
2. <https://jpi-urbaneurope.eu/wp-content/uploads/2020/04/White-Paper-PED-Framework-Definition-2020323-final.pdf>
3. https://smart-beejs.eu/wp-content/uploads/2022/03/D6.4_BMs-and-Value-Propositions_final.pdf
4. Hearn, A.X., Sohre, A. and Burger, P., 2021. Innovative but unjust? Analysing the opportunities and justice issues within positive energy districts in Europe. *Energy Research & Social Science*, 78, p.102127.

Leistungsüberprüfung

Lehrveranst.-begleitend

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren

Hinweise zur Leistungsüberprüfung

Compulsory attendance in presence, required readings, oral presentation, essay. Details according to information of lecturers.

Belegen bei Nichtbestehen

nicht wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Special course application required (for details see "course application" or "Anmeldung").

Limited number of participants (25):

Students of the MSD and those of the JIDSD have a first priority. Students of the listed programs (see list of modules) have a second priority.

If you don't study the MSD or one of the listed programs you must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies (= priority level three).

Participation requirement for MSD Students:

The seminar is published in the Core Competences in Social Sciences module. Students who have chosen the focus area in natural sciences or in economics must have completed the Complementary Knowledge in Social Sciences module (at least 8 out of 12 CP). All students may transfer the CP to the Focal Areas in Sustainability Research module (learning agreement).

Additional entry requirements for participants who do not study the MSD (incl. preparation semester) or JIDSD:

They must have passed successfully one of the following lectures (= credit points already acquired) during a former semester:

- 11513: Sustainability: A new Societal Paradigm?

- 41829: Perspectives of Social Sciences on Sustainability.

Anmeldung zur Lehrveranstaltung

Please note entry requirements (for details see section "admission requirements").

Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html

Login and application only possible with open link. Link only guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline.

In case of vacancies the online application link remains open until 06.03.23/noon.

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Bemerkungen

Please note entry requirements and mandatory course application procedure (additional to registration on MOnA).

MSD 2017

For all students this seminar is optional. They may accredit the credit points for the published module (students of focus area in social science only) or transfer them to the "Focal Areas in Sustainability Research" module (learning agreement).



This seminar is offered by the MSD. A. Hearn and D. Mihailova are staff members of the Sustainability Research Group, Dep. of Social Sciences, /Faculty of Humanities and Social Sciences.

This course is supported by "Impuls". Impuls supports lecturers and students in implementing projects related to the Sustainable Development Goals (SDGs) as part of their courses. The funding from Impuls is intended to train students to become change agents for sustainability and to inspire and enable them to use these competences for sustainable(re) development in their later professional and private lives. More information on the impuls program is available on the website: www.unibas.ch/impuls."

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?	3 KP
Dozierende	Basil Bornemann Marius Christen	
Zeit und Ort	Do 12:00-14:00 Rosshofgasse (Schnitz), Seminarraum S 02	
Datum	23.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model. Subject to modifications.	
Inhalt	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice. Subject to modifications.	
Literatur	Literature tba during lecture.	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Written examination: 08. June, during usual teaching time slot; room: lecture room 120, Kollegienhaus. Repeat examination: tba in due time in "Dates and Rooms".	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Only for MSD students (incl. MSD preparation semester), those of the IJSD and the listed degree programs (see list of modules). Other students must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences. NO bachelor students admitted.	



Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
Bemerkungen	<p>MSD 2017 Mandatory lecture for all. A different choice is only allowed for students, who have a) attended and accredited the same class for a former degree; b) attended and accredited a comparable class for a former degree. If a) or b) applies you have to register for a different course according to prior agreement with PD Dr. B. Bornemann.</p> <p>This lecture is offered by the MSD. PD Dr. B. Bornemann is an interim member of the Teaching Committee MSD and of the Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel. Dr. M. Christen holds a teaching assignment. He is a team member of the Sustainability Research Group, of the Faculty of Humanities and Social Sciences, University of Basel.</p>

Modul: Kernbereich Wirtschaftswissenschaften

43498-01	Kolloquium: Psychological Theory in Consumer Behavior	6 KP
Dozierende	C. Miguel Brendl	
Zeit und Ort	Mo 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
Datum	06.03.2023	
Intervall	14-täglich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	<p>Modul: Business Field: Marketing (Masterstudium: Business and Technology)</p> <p>Modul: Core Courses in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)</p> <p>Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>	
Lernziele	<ul style="list-style-type: none"> • Obtaining an overview of fundamental psychological concepts in preference formation and choice. • Learning about the nature of theory construction and theory testing by means of experiments (heavily emphasized). 	
Inhalt	<p>The course is appropriate for master's students in business, economics, or psychology, as well as for PhD students.</p> <p>The course focuses on psychological theory that is the basis for theories in consumer behavior. It has a methodological emphasis by teaching you how to conduct research using experiments. This course is a precondition for writing a master's thesis in behavioral marketing. But beyond that it is of particular interest if you want to explore what academic research is like.</p> <p>-For those without a prior degree in psychology the course offers a crash course in psychology as it relates to preferences (attitudes, feelings, evaluative judgments, choice). -For anyone interested in behavioral sciences the course offers the opportunity to practice an important skill: deriving behavioral predictions from theories. This skill goes beyond merely describing a theory and is important for anyone who wants to actually use a theory, be it for research or application.</p> <p>During the seminar we discuss your homework solutions to a set of exercises. From this discussion we draw inferences about theory itself and about designing experiments. The entire course is in English.</p>	
Literatur	Last year's syllabus is posted here: https://adam.unibas.ch/goto_adam_crs_480685.html	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	



**Wiederholungsprüfung
An-/Abmeldung zur Prüfung
Hinweise zur Leistungsüberprüfung**

keine Wiederholungsprüfung
An- und Abmelden: Dozierende
Every session your homework consists of readings and exercises where make predictions for an experiment. I randomly draw some students to present their exercise solutions, which we then discuss. Given this format, it is necessary that you have completed the assigned readings and exercises before each session, and that you are present during each session.

A detailed write-up of an exercise will definitely be part of the grade. The following might also contribute: your contributions to the class discussion; the presentations you give.

**Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen**

beliebig wiederholbar
kein spezifischer Einsatz
Englisch

If you are a master's student at the business and economics faculty in Basel, you need to have taken "Behavioral Science" and "Consumer Behavior: Theoretical Foundations". If you study elsewhere or are a PhD student, please contact me.

A maximum of 20 students can enroll and in the past all those who fulfilled the course requirements were admitted. Should demand for the course surpass the available seats, we will emphasize the following for admissions:

- Grades in the Kernfächer 62650-01 "Behavioral Science" and 12036 "Econometrics" or in equivalent courses if you come from another discipline.

Anmeldung zur Lehrveranstaltung

As the course is restricted to 20 students, please fill in the application form on the following link https://adam.unibas.ch/goto.php?target=crs_1089742_rcodecd2VXxuTFw&client_id=adam by February 9th, 2023, 8 pm. You will be notified by February 17th, 2023, if you have been admitted to the Kolloquium. Your enrollment in MOnA will then be registered automatically after the official enrollment deadline, i.e. only after March 20, 2023.

Bemerkungen

To take the course you have to attend as of Session 1. Note that there will be homework in preparation of Session 1.

This course is a pre-requisite if you want to write a master's thesis in behavioral marketing. Details are posted here: https://www.unibas.ch/fileadmin/user_upload/wwz/00_Professuren/Brendl_Marketing/2021_07_19_MBrendl_Requirements_Master_s_Thesis_in_Behavioral_Marketing.pdf

The course will be taught on site.

67432-01	Seminar: Sustainability in Banking and Finance	6 KP
Dozierende	Jacqueline Henn Paolo Vanini	
Zeit und Ort	Mo 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S13 HG.35	
Datum	20.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Preparation Master's Thesis in Finance and Money (Masterstudium: Finance and Money) Modul: Research Design in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Research Design in Finance, Controlling, Banking (Masterstudium: Wirtschaftswissenschaften) Modul: Research Design in Monetary Economics and Financial Markets (Masterstudium: Wirtschaftswissenschaften) Modul: Seminararbeiten (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)	



Inhalt	<p>Das Thema Nachhaltigkeit ist in den letzten 30 Jahren immer wieder nach speziellen Ereignissen im Banken und Finanzbereich aufgetaucht und nach kurzer Zeit wieder in den Hintergrund getreten. Seit einigen wenigen Jahren hat sich das Thema aber als fester Trend in der Finanzindustrie festgesetzt: Kunden aller Kategorien verlangen nach nachhaltigen Lösungen und erwarten, dass die Banken selber nachhaltig wirtschaften. Die sichtbaren Ereignisse des Klimawandels dürfen ausschlaggebend für diese nachhaltige Verhaltensänderung sein.</p> <p>Zur Zeit arbeiten die die Banken, Regulatoren und Versicherungen hektisch an nachhaltigen Lösungen; sei es für die Kunden, für sich selber oder den Finanzplatz. Das Thema ist komplex und in mancher Hinsicht neuartig für die Finanzwelt. Die strategische Zielsetzung einer Bank im Jahr 2040 das 1.5 Grad Klimaszenario zu erreichen erfordert beispielsweise eine Umsetzung von Massnahmen in einem unüblichen langem Zeithorizont. Wie definiert man nachhaltige Anlagen für Kunden ist eine weitere Herausforderung. Kann man sich dabei auf die Nachhaltigkeitsratings von MSCI, S&P oder Refinitiv in der ESG Methodologie abstützen – ist diese regulatorisch konform, wie geht die Bank mit ihren eigenen illiquiden Assets wie den Bankgebäuden um?</p> <p>Im Seminar werden wir Arbeiten vergeben, welche unterschiedliche Aspekte des Themas betreffen und mit unterschiedlichen Methoden der Statistik, Data Science oder Finance bearbeitet werden müssen.</p>
Literatur	Wird für die spezifischen Themen bekannt gegeben.
Weblink	https://wwz.unibas.ch/de/finanzmarkttheorie/lehre/
Leistungsüberprüfung	Seminarleistung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An- und Abmelden: Fakultät
Hinweise zur Leistungsüberprüfung	Die Leistungsüberprüfung erfolgt in Form einer schriftlichen Seminararbeit (60%) und einer Präsentation (40%). Es wird erwartet, dass sich alle Teilnehmenden an der Diskussion beteiligen.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
Teilnahmevoraussetzungen	Abgeschlossenes Bachelorstudium. Ausserdem gilt folgende seminarspezifische Priorisierung: 1. Die Fundamentalsveranstaltung 12036 Econometrics muss mit mind. 4.5 bestanden sein. 2. Anzahl Veranstaltungen und Noten in der Vertiefung Finance, Controlling and Banking
Anmeldung zur Lehrveranstaltung	Die weiteren allgemeinen Zuteilungskriterien für die Masterseminare sind hier zu finden: https://wwz.unibas.ch/de/studium/master/masterseminare/ Die Anmeldung für das Seminar erfolgt zentral für alle Seminare bis spätestens 09. Januar 2023, 24.00 Uhr. Den Link zum Online-Anmeldeformular sowie weitere Informationen dazu finden Sie hier: https://wwz.unibas.ch/de/studium/master/masterseminare/ Die Anmeldung ist verbindlich. Bei Nicht-Teilnahme nach erfolgter Anmeldung wird im Leistungsausweis "nicht erschienen" , bei Abbruch nach Themenzuteilung eine "1.0" ausgewiesen.

10625-01	Vorlesung: Advanced International Trade and Business	6 KP
Dozierende	Rolf Weder	
Zeit und Ort	Do 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 Fr 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	23.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrssem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Business Field: Strategy and Organization (Masterstudium: Business and Technology) Modul: Core Courses in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Core Courses in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in International Business, Trade and the Environment	



	<p>(Masterstudium: Wirtschaftswissenschaften) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Regional Integration and Global Flows (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>
Lernziele	<p>Learning objectives:</p> <ol style="list-style-type: none">1. to know the scientific discussion in international trade and international business regarding "Globalization" and "Outsourcing",2. to understand the major contributions of the classical, neoclassical and new trade theories, and how these insights are used in the current literature,3. to get an understanding, how trade economists simplify international relationships in order to analyze and answer the questions posed above,4. to gain insight into the current research in international trade and business,5. to get to know and be able to apply concepts which allow international companies and international organizations to develop strategies which are important in practice.
Inhalt	<p>Content: This course deals with the effects that arise from the globalization of markets. We derive challenges for economic policy and strategic management of international firms. International trade theory offers an excellent framework in this respect. We deal with questions such as: "Who gains and who loses from selective integration of markets?", "Which impacts arise from technological changes abroad and at home?", "Why do multinational firms exist and what strategies do or should they follow in different circumstances?", "How can we explain outsourcing and offshoring, what are the effects, how can international firms react?". The course not only provides answers to these questions, but also introduces the concepts which current research in international trade is based on and constantly is using. We present and discuss the fundamental contributions of the traditional and new trade theory, also referring to current research in the field; research has always been very dynamic in this field - theoretically and empirically. This requires that textbooks, papers in scientific journals as well as working papers on the graduate level are used in the course. One of the challenges of this course and of economics in general is to constantly ask in which way the insight can be useful for policy making and strategic management in companies. Two guestlectures will be integrated in the course: (1) is by Prof. Gene Grossman (Princeton University), (2) is by the company Celonis (optimization of processes based on new methods in data science).</p>
Literatur	<p>The relevant literature will be mentioned on the outline of the course. We will start with the foundation of international trade theory by David Ricardo in 1817 ("On Foreign Trade"), but also integrate most recent contributions from textbooks and articles published in international journals of economics and business. Papers will, whenever possible, be posted on ADAM in order that registered students in the course can easily download them from ADAM.</p>
Weblink	<p>https://adam.unibas.ch</p>
Leistungsüberprüfung	<p>Leistungsnachweis</p>
Skala	<p>1-6 0,1</p>
Wiederholungsprüfung	<p>keine Wiederholungsprüfung</p>
An-/Abmeldung zur Prüfung	<p>Anm.: Belegen Lehrveranstaltung; Abm.: stornieren</p>
Hinweise zur Leistungsüberprüfung	<p>How to attain the learning objectives:</p> <p>Students should read the required reading in advance of each session. Some of this reading is very short. The required reading is reduced to the minimum. However, I will sometimes go beyond this material and integrate further aspects into the lecture from the additional reading or the list of bibliography found at the end of this outline. I mention this list also as an aid for further reading and for writing a term paper for the Seminar in International Economics or the Master's thesis. Problems or questions will be solved by the students and/or discussed in class.</p> <p>There will be a written final exam. I will give students the opportunity to earn additional grades for active participation in form of handing in short essays or assignments as well as short presentations during the term. These will have an announced weight in the final grade. Detailed information will be given at the beginning of the course as well as in the outline that should be available two weeks before the semester.</p> <p>written exam: 02.06.23; 08:15-09:45.</p>



You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: <https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/>
Prior to 20.03.23, please deregister only in the Online Services.
The examination rooms will be published by 26.5.23.

Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen

beliebig wiederholbar
kein spezifischer Einsatz
Englisch
Prerequisites:

I expect that students have accomplished some courses in microeconomics on the BA level and that they have been confronted with a course or some material in International Trade or International Business on the BA level. The most important ingredient to the successful completion of the course is, however, the interest of students in topics of globalization and internationalization of firms and their willingness to read and regularly participate in class.
Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.

Anmeldung zur Lehrveranstaltung

Bemerkungen

I intend to use enough time for discussions on company strategies and economic policy in the light of the new technological developments ("Digitization") and the determinants of innovation. There will be two guests (Prof. Gene Grossman and a representative of the company Celonis) who will give a lecture followed by a discussion on these topics towards the end of the course.

I also plan to give you the possibility to select extracts or individual chapters of recently published papers and books to present them towards the end of the class. Details will be made available at the beginning of the term.

Note that this course is a good complement to the following courses:

- A) International Trade, Resources and the Environment, offered by Prof. Scott Taylor (University of Calgary) in May 2023.
- B) Competitive Strategy, offered by Prof. Jeffrey Macher (Georgetown University) in July 2023.

Note: I may not be able to offer this course in FS 2024 as I may be on leave. This has, however, not been decided yet as of Feb. 2023.

65943-01	Vorlesung: Advanced Macroeconomics		6 KP
	Dozierende	Sarah Lein	
	Zeit und Ort	Mo 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
	Datum	06.03.2023	
	Intervall	wöchentlich	
	Angebotsmuster	Jedes Frühjahrssem.	
	Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
	Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) Modul: Core Courses in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Core Courses in Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften)	
	Lernziele	This course provides students with the technical toolbox to study modern macroeconomic models and to conduct simple policy evaluations.	
	Inhalt	The course "Advanced Macroeconomics" focuses on modern theories of macroeconomic fluctuations. It is built explicitly on microeconomic foundations, by considering the decision making process of the microeconomic agents, namely firms and households. These	



microeconomic units are then aggregated to study their interactions and macroeconomic outcomes.

After a preliminary introduction, the course will develop the real business cycle (RBC) model, in which fluctuations are the result of random shocks to technology and economic outcomes are efficient. It then introduces a set of realistic features into the framework, namely monopolistic competition, and nominal rigidities (new Keynesian Models, NKM). In this model, economic policy plays a role and can improve economic outcomes. We will include a set of exercise sessions that familiarized the students with applications of these models to study, for example, the responses of an economy to policy shocks or productivity shocks. In addition, we will introduce theories of consumption and study the role of monetary and fiscal policy.

Literatur	Textbook D. Romer, Advanced Macroeconomics, 5th edition. Additional literature will be announced in class (syllabus).
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Final exam (85%) and midterm quiz (15%). Final exam: 14.06.23; 16:15-17:45. You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/ Prior to 20.03.23, please deregister only in the Online Services. The examination rooms will be published by 26.5.23.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	While there are no formal prerequisites, it is strongly recommended that students take 18545-01 Advanced Mathematics for Economists before the course.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

50877-01	Vorlesung: Economics of Global Health	3 KP
Dozierende	Günther Fink	
Zeit und Ort	Mo 12:15-14:00 Juristische Fakultät, Seminarraum S5 HG.54 Mi 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
Datum	05.04.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Policy Field: Health and Labor (Masterstudium: Economics and Public Policy) Modul: Specific Electives in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul Global Europe: Global Ageing and Health (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
Inhalt	This class examines health issues in developing countries from the standpoint of applied economics. Specific topics include: (1) identifying the bi-directional relationship between health and economic growth; (2) understanding key economic challenges to improving individual and global health; and (3) recognizing differences between optimal health decisions from an individual, national and global perspective. We will examine the empirical	



<p>Weblink Leistungsüberprüfung Skala Wiederholungsprüfung An-/Abmeldung zur Prüfung Hinweise zur Leistungsüberprüfung</p>	<p>evidence in support of interventions affecting health, including the success and failure of interventions that target infant mortality, diarrhea, worms, AIDS, and malaria. We will also investigate the role of health insurance as well as different approaches to deliver health care in resource-constrained settings. https://adam.unibas.ch Leistungsnachweis 1-6 0,1 keine Wiederholungsprüfung Anmelden: Belegen; Abmelden: Studiendekanat Class Structure: This class is centered on two or three readings from the health and economics literatures chosen for each session. The instructor will go over the readings in class, present key theoretical and empirical elements and expects students to challenge the methods and findings of the papers presented.</p> <p>Grading: The grade of this class has the following three components: Class participation: 30 percent Final exam: 70 percent</p> <p>Class participation: Students are expected to have read articles on the reading list prior to class, and to be able to 1) answer specific questions about these articles and 2) critically assess the general approach and message of the articles discussed.</p> <p>written exam: 31.5.23; 14:15.</p>
<p>Belegen bei Nichtbestehen Einsatz digitaler Medien Unterrichtssprache Teilnahmevoraussetzungen</p>	<p>beliebig wiederholbar kein spezifischer Einsatz Englisch Familiarity with intermediate economic theory and econometrics—including consumer theory, income and substitution effects, producer theory, experimental design, instrumental variables, and difference-in-differences estimation is required.</p>
<p>Anmeldung zur Lehrveranstaltung</p>	<p>Registration: Please enrol in MOOnA. Enrolment = Registration for the exam! A deregistration is possible until April 24, 2023 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to belegungstorno-wwz-at-unibas.ch.</p>
<p>Bemerkungen</p>	<p>Prof. Günther Fink is Associate Professor of Epidemiology and Household Economics at the University of Basel, Head of the Household Economics and Health Systems Research Unit at the Swiss Tropical and Public Health Institute in Basel, and Adjunct Professor of International Health Economics at the Harvard T.H. Chan School of Public Health. He holds a Ph.D. in economics from Bocconi University in Milan, Italy, as well as a Master's in applied economics from the University of Michigan.</p>

<p>62655-01</p>	<p>Vorlesung: Energy Economics</p>	<p>3 KP</p>
<p>Dozierende Zeit und Ort Datum Intervall Angebotsmuster Anbietende Organisationseinheit Module</p>	<p>Hannes Weigt Di 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 21.02.2023 wöchentlich Jedes Frühjahrsem. Wirtschaftswissenschaftliche Fakultät / WWZ Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Policy Field: Competition and Regulation (Masterstudium: Economics and Public Policy) Modul: Policy Field: Environment and Energy (Masterstudium: Economics and Public Policy) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>	
<p>Lernziele</p>	<p>The lecture aims to provide students with the opportunity to apply economic concepts within an applied field (i.e. energy markets). Students will learn how to investigate real-world settings, apply economic concepts to those settings and derive insights. The lecture is designed to be interactive and discussion based.</p>	
<p>Inhalt</p>	<p>Within the lecture ‚Energy Economics‘ we will investigate current topics and trends of global energy markets; in particular non-electricity related topics (electricity markets are covered in a separate lecture). A particular focus lies on market functionalities, strategic company</p>	



Literatur	behavior, and interaction of market actors. Topics will cover different energy markets (e.g. crude oil and market power, natural gas supply in Europe and its relation to Russia) and ongoing market and system transitions (e.g. mobility, synthetic fuels/hydrogen). The lecture will build upon scientific papers, news reports and blog posts. All literature will be provided. Students are required to read about one paper per week.
Weblink	https://www.unibas.ch/de/energieoekonomie/lehre/
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Performance will be assessed via homework assignments and a final written exam.

written exam: 05.06.23; 10:15-11:45.
You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: <https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/>
Prior to 20.03.23, please deregister only in the Online Services.
The examination rooms will be published by 26.5.23.

Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Background knowledge in energy economics is helpful but not required. The course builds upon microeconomic concepts, industrial organization, game theory, and different policy approaches from environmental economics and public policy.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch). Enrolment = Registration for the exam!
Bemerkungen	The course will be taught in class.

17691-01 Vorlesung: International Trade, Resources and the Environment 3 KP

Dozierende	M. Scott Taylor
Zeit und Ort	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Auditorium
Datum	02.05.2023
Intervall	Block
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies)
Lernziele	see content
Inhalt	This course investigates the linkages between international trade and the environment from both a theoretical and empirical viewpoint. It investigates the theoretical links between international trade and sustainability in two ways by studying the link between trade and resource use on the one hand and trade and industrial pollution on the other. It then reviews the empirical evidence linking trade to environmental outcomes using the theory as a guide to evaluate and critique the literature.
Literatur	Some of the material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.



<p>Weblink Leistungsüberprüfung Skala Wiederholungsprüfung An-/Abmeldung zur Prüfung Hinweise zur Leistungsüberprüfung</p>	<p>https://adam.unibas.ch Leistungsnachweis 1-6 0,1 keine Wiederholungsprüfung Anmelden: Belegen; Abmelden: Studiendekanat There will be one final exam and a paper requirement. The exam date will be established in the first lecture. The paper should be a critical analysis of a scholarly or popular article discussing some aspect of international trade's impact on the environment. The paper must use, at least implicitly, the tools and logic developed in the course. The date of the exam as well as the deadline of the paper will be posted and mentioned in the first class. Exam date: 30.05.23; 12:15-13:45.</p>
<p>Belegen bei Nichtbestehen Einsatz digitaler Medien Unterrichtssprache Teilnahmevoraussetzungen</p>	<p>beliebig wiederholbar kein spezifischer Einsatz Englisch Required: A good understanding of the principles of economics and of microeconomics. Recommended: Advanced International Trade and Business Environmental and Resource Economics</p>
<p>Anmeldung zur Lehrveranstaltung</p>	<p>Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam! A deregistration is possible until May 6, 2023 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to belegungstorno-wwz-at-unibas.ch.</p>
<p>Bemerkungen</p>	<p>The course will be taught "in - class". You should have a look at some of the literature discussed in class in advance of the course to be prepared for the course. The material will be accessible on ADAM approximately three weeks in advance of the start of the course. Students will be able to access the reading material after registration. The course is part of the "Guestprofessorship in Globalization - Internationalization of the Economy"</p>

<p>60335-01 Dozierende Zeit und Ort Datum Intervall Angebotsmuster Anbietende Organisationseinheit Module</p>	<p>Vorlesung: Introduction to Corporate Responsibility Di 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Auditorium 21.02.2023 wöchentlich Jedes Frühjahrssem. Wirtschaftswissenschaftliche Fakultät / WWZ Modul: Business Field: Strategy and Organization (Masterstudium: Business and Technology) Modul: Core Courses in Labor Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Labor Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: Labour Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>	<p>3 KP</p>
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Lernziele	<p>1. students are familiar with the basic theoretical approaches to corporate responsibility, including the development of corporate social responsibility, corporate sustainability and corporate citizenship.</p> <p>2. students are familiar with the location of corporate responsibility in the strategic and organizational implementation in the company. 3. students are able to develop and critically evaluate activities for corporate responsibility themselves.</p> <p>3. students are able to develop and critically assess corporate responsibility activities themselves</p> <p>4. students get to know different areas of implementation (supply chain, human resources/ team building, corporate philanthropy) by means of case studies.</p>
Inhalt	<p>It is not only since the Sustainable Development Goals (SDGs) that companies have been called upon to better perceive their social responsibility or to make it recognizable. While at the beginning of CSR research there was still talk of voluntary services and "icing on the cake", today corporate responsibility is an integral part of corporate activities with great strategic importance. When bidding for public contracts, in the financial markets and in the business media, a company's CR plays an increasingly important role. In this lecture, students learn the theoretical basics and receive an introduction to practical implementation.</p>
Literatur	basic literature: Haski-Leventhal, D.: Strategic Corporate Responsibility, Sage, 2018
Weblink	https://adam.unibas.ch/goto_adam_crs_1078447.html
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	<p>Written exam: 19.06.23; 17:00-18:00.</p> <p>You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/</p> <p>Prior to 20.03.23, please deregister only in the Online Services.</p> <p>The examination rooms will be published by 26.5.23.</p>
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOuA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

40105-01	Vorlesung: Macroeconomics and Finance	6 KP
Dozierende	<p>Andreas Freitag Lukas Hitz Heinz Zimmermann</p>	
Zeit und Ort	This course will not be taught in-class any more. But the course material will be provided digitally.	
Datum	21.02.2023	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	<p>Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics)</p> <p>Kernmodul: VWL (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) (Pflicht)</p> <p>Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies)</p>	
Lernziele	<p>Course objective:</p> <p>Introduction to key long-run and short-run issues in macroeconomics</p> <p>Treatment of key principles of financial economics, in particular related to time and uncertainty, and some corporate finance</p>	
Inhalt	<p>This course will not be taught in-class any more. But the course material will be provided digitally.</p>	

This course was part of the curriculum of the master's program according to the old study regulations (before Fall term 2021). Therefore, no in-class lecture will be offered this semester,

but primarily the exam. And this is mainly intended for those students who have already attended the lecture in the last semesters and just need the exam.

Course outline Part Macroeconomics:

The largest part of the course Macroeconomics focuses on modern theories of macroeconomic fluctuations. Modern macroeconomics is built explicitly on microeconomic foundations. That is, the modern study and analysis of macroeconomics begins by considering how the microeconomic units, namely consumers and firms, in an economy make their decisions and then considers how the choices of these great many individuals interact with each other to yield economy-wide outcomes. We will also introduce financial markets in our model and discuss intertemporal choices. In the last part of this course, we will focus the long-run by analyzing models of economic growth.

Course outline Part Finance

The lecture provides an overview on some of the key topics of the theory of finance

- 1) Capital market under certainty: Consumption, investment, economic growth, and interest rates; Fisher separation and economic implications
- 2) Capital market under uncertainty: Consumption-based pricing, risk aversion, state (SDF) valuation, CAPM, arbitrage pricing with applications to options
- 3) Corporate financial decisions: Capital structure and cost of capital, Modigliani-Miller, contingent-claim analysis of corporate securities, over- and underinvestment, real options, pecking order theory, payout decisions

Literatur

Reading Part Finance (recommended, not required):

Cochrane, J., Asset pricing, Princeton Univ Press, 2005
 Lengwiler, Y., Microfoundations of financial economics, Princeton Univ Press, 2006
 Niepelt, D., Macroeconomic models, book draft, available online (chapters 3 and 4)
 de Matos, J.A., Theoretical foundations of corporate finance, Princeton Univ Press, 2001
 Sharpe, W., Investors and markets, Princeton Univ Press, 2008

Readings Part Macroeconomics:

Williamson, Stephen "Macroeconomics", 6th global edition. (MAIN textbook)

Additional references:

David Romer, Advanced Macroeconomics, 4th ed. 2012.
 Olivier Blanchard, Alessia Amighini/Francesco Giavazzi, Macroeconomics – A European Perspective, 2nd.ed. 2014, Chapter 11.

Weblink

<https://adam.unibas.ch/>

Leistungsüberprüfung

Leistungsnachweis

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren

Hinweise zur Leistungsüberprüfung

written exam: 22.06.23; 14:30-16:00.

You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: <https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/>
 Prior to 20.03.23, please deregister only in the Online Services.

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

Online-Angebot obligatorisch

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics.

This course was part of the curriculum of the master's program according to the old study regulations (before Fall term 2021). Therefore, no in-class lecture will be offered this semester, but primarily the exam. And this is mainly intended for those students who have already attended the lecture in the last semesters.

Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MONA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!



Bemerkungen

This course was part of the curriculum of the master's program according to the old study regulations (before Fall term 2021). Therefore, no in-class lecture will be offered this semester, but primarily the exam. And this is mainly intended for those students who have already attended the lecture in the last semesters.

The course material will be provided digitally.

16036-01	Vorlesung: Microeconometrics and Statistical Learning	3 KP
Dozierende	Christian Kleiber	
Zeit und Ort	Mi 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Schadenversicherung (Masterstudium: Actuarial Science) Modul: Specific Electives in Data Science and Computational Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Modul: Technology Field (Masterstudium: Business and Technology) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
Inhalt	<p>Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. Also, the number of covariates is typically modest. The present course has two parts:</p> <p>* In the first part, the course will cover classical (nonlinear) regression models for applications where data are naturally discrete, e.g. binary or count data. It will use the framework of generalized linear models (GLMs), which provides a unified approach to models such as logit, probit and Poisson regression. Inference will be likelihood based.</p> <p>* In the second part, there will be an introduction to the recent literature on statistical learning (aka machine learning), specifically to the notion of regularisation, with LASSO and ridge as the main examples.</p> <p>If time permits there will also be a chapter on finite mixture models.</p> <p>Remarks:</p> <p>* All course materials are on OLAT.</p> <p>* Empirical illustrations may include data from labor economics, health economics, or insurance, among further sources. The course will make use of the R language for statistical computing and graphics, hence basic knowledge of this software (including data import, running regressions) is expected.</p> <p>* In order to make room for further (regression) models, there will at most be a brief review of likelihood methods, possibly offered in digital form. Participants are expected to be familiar with these methods at the level of the compulsory MSc level Econometrics course.</p>	
Literatur	<p>Main references:</p> <p>Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press. James G, Witten D, Hastie T, Tibshirani R (2021). An Introduction to Statistical Learning, 2nd ed. New York: Springer. [available in electronic form via the university library!]</p>	



Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer.

Weblink
Leistungsüberprüfung
Skala
Wiederholungsprüfung
An-/Abmeldung zur Prüfung
Hinweise zur Leistungsüberprüfung

Further (topic-specific) references will be indicated in the relevant contexts.

<https://wwz.unibas.ch/de/oekonometrieundstatistik/lehre/>

Leistungsnachweis

1-6 0,1

keine Wiederholungsprüfung

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren

Notes for the Assessment:

Written exam; in addition there will be several assignments, accounting for up to 30% of the overall grade.

written exam: 23.06.23; 09:00-10:30.

You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: <https://wwz.unibas.ch/en/studies/examinations/de-/registration-of-examinations/>

Prior to 20.03.23, please deregister only in the Online Services.

The examination rooms will be published by 26.5.23.

Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen

beliebig wiederholbar

kein spezifischer Einsatz

Englisch

Prerequisites:

Completed bachelor's degree (for students majoring in Business and Economics).

Introduction to Econometrics [BA] (for students from other departments: regression basics).

Econometrics [MSc] (for students from other departments: a second course in statistics, notably likelihood methods).

Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MoNA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

60336-01 Vorlesung: Population and Economic Growth

3 KP

Dozierende

Robert Stelter

Zeit und Ort

Mo 10:15-12:00 Juristische Fakultät, Seminarraum S5 HG.54

Datum

20.02.2023

Intervall

wöchentlich

Angebotsmuster

Jedes Frühjahrsem.

Anbietende Organisationseinheit

Wirtschaftswissenschaftliche Fakultät / WWZ

Module

Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)

Modul: Specific Electives in Economics (Masterstudium: Wirtschaftswissenschaften)

Modul: Specific Electives in International Business, Trade and the Environment

(Masterstudium: Wirtschaftswissenschaften)

Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))

Lernziele

1. Basic skills in discrete time general equilibrium models, 2. Malthusian epoch, 3. Unified growth theory

Inhalt

After centuries of economic and demographic stagnation, Western Economies experienced the take-off to modern growth. Roughly at the same time, populations underwent the demographic transition. This lecture focuses on the interplay between economic and demographic dynamics to study important epochs of human history. In a first step, we recall ideas of family economics and discrete time general equilibrium models. Then, we investigate the Malthusian epoch – the era of stagnation in population size and income. Afterwards, we turn our attention to the transition from stagnation during the Malthusian epoch to sustained growth in a unique framework: the unified theories of economic growth. Based on this framework, we discuss the role of populations during the transition to modern growth.

Literatur

De la Croix, D. & MICHEL, P. (2002). A theory of economic growth: dynamics and policy in overlapping generations. Cambridge University Press.

Galor, O. (2011). Unified growth theory. Princeton University Press.

Weblink

<https://wwz.unibas.ch/de/peopleandareas/quantitative-economic-history/cliometrics/>

Leistungsüberprüfung

Leistungsnachweis



Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Assignments and final Examination. Written exam: essay, tba You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/ Prior to 20.03.23, please deregister only in the Online Services. The examination rooms will be published by 26.5.23.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Bachelor degree in economics (or an equivalent degree), good command English
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MONA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.
Bemerkungen	The course will be taught "in class".

63593-01 Vorlesung mit Übungen: Methods in Policy Impact Assessment 3 KP

Dozierende	Robin Argueyrolles Ruth Delzeit
Zeit und Ort	Mi 14:15-16:00 Geographie, Seminarraum EG 0-09
Datum	22.02.2023
Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Geowissenschaften
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Landscape Systems (Masterstudium: Geowissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Geographische Methoden- und Forschungskompetenz (MSF - Geographie) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Interdisciplinary and Applied African Studies (MSG - African Studies)
Lernziele	Know the different phases of policy evaluation; Have knowledge about the usability and limitation of models in policy evaluation; Work with Computable general equilibrium (CGE) and agent-based models; Have basic knowledge of GAMS
Inhalt	The lecture consists of one hour of theoretical background and one hour of exercises. In the theory part, the different instruments and phases of policy evaluation are discussed. In the exercise, students learn to use models for ex-ante policy evaluation. For this reason, students will also get acquainted to the programming language GAMS
Literatur	Burfisher, Mary E. (2020). Introduction to computable general equilibrium models. 3rd edition. Cambridge university press
Weblink	https://duw.unibas.ch/de/forschungsgruppen/landnutzungsänderungen/
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,5
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Die Leistungsüberprüfung findet als benotete Übungen statt.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Some preliminary knowledge of programming is useful.
Bemerkungen	Anwesenheitspflicht

Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften

57245-01 Kolloquium: Sustainability Science Research (social dimension) 1 KP

Dozierende	Paul Burger
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Zeit und Ort	Do 16:15-18:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001
Datum	23.02.2023
Intervall	wöchentlich
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Changing Societies Lab (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	Participants have in-depth knowledge about thematic and methodological aspects of social science research on sustainability.
Inhalt	Based on the presentation of ongoing research projects (Master's theses, PhD theses etc.), students analyze and discuss thematic and methodological questions related to current disciplinary and interdisciplinary research on sustainability. The detailed program is set in the first session.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence, active participation, oral presentations. Details according to information of lecturer.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for MSD students with focus area in social science.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).
Bemerkungen	Exclusively for MSD-students with focus area in social sciences who present specific aspects of their master's thesis. Mandatory for all MSD-students who have chosen the focus area in social sciences (credits are earned once for the module "Preparation Master's Thesis in Social Sciences" = no repeated course registration possible). Enrollment and presentation according to agreement with Prof. Dr. Burger. meetings from 16.15 to 18.00h: Dates according announcement in "Dates and Rooms This colloquium is offered by the MSD. Prof. Dr. P. Burger is head of the Sustainability Research Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences. Dr. Rony Emmenegger is a staff member of the same research group.

49078-01	Kurs: Research Design Master's Thesis	3 KP
	Dozierende	Patricia Holm Frank Christian Krysiak Iljana Schubert
	Zeit und Ort	Mo 08:15-10:00 Vesalianum, Seminarraum (O2.02) Plenary meetings: 1: 20.02.23; 2: 06.03.23; 3: 03.04.23; 4: 17.04.23.
	Datum	20.02.2023
	Intervall	unregelmässig
	Angebotsmuster	Jedes Semester
	Anbietende Organisationseinheit	Departement Umweltwissenschaften
	Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
	Lernziele	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know how to identify a valuable research topic in the field of sustainable development, to develop a related research question directed to a contribution to the scientific debate as well as designing a research approach (e.g. choice of methods) directed to answering the research question; - are able to characterize intersections between their approach and other disciplines as well as intersections with non-academic fields (such as politics, business etc.); - are familiar with formal requirements for a master's thesis (correct citation, presentation of



graphs, figures, results, plagiarism etc.).

Inhalt

Writing a master's thesis related to a topic of sustainability is the masterpiece of the MSD study program. Students are expected to use productively their acquired knowledge (in terms of methods and sustainability related content) for analyzing a specific topic. However, developing a research design that copes with scientific scrutiny and accuracy is by far not an easy endeavour. Questions like 'How can I find an interesting topic?' or 'According to which criteria should I decide to go for a specific method?' or - and most important - 'Why and how do I have to link my research design to the ongoing scientific discourse?' are waiting to be answered.

This course is thought to support the students in developing their research proposal in a structured, systematic and scientific manner. Students get familiar with necessary elements of a master thesis: problem framing, introduction, background, aims, hypothesis, research questions, methods, results, discussion, reflection/contribution to the scientific debate etc. Students also learn how they can identify a valuable research topic in the field of sustainable development. Some elements are thereby generic, i.e. independent of a specific disciplinary perspective. Other elements are, to the contrary, highly dependent on the chosen disciplinary field. Other elements are concerned with capturing intersections between the field.

Against this backdrop, the class will be jointly given by the three teachers at the beginning, when it comes to unfold the generic components. Subsequently the class will be split into three groups and the students will develop their research proposal along the specific requirements according to their own focus areas.

Leistungsüberprüfung

Lehrveranst.-begleitend

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Anm.: Belegen Lehrveranstaltung; Abm.: stornieren

Hinweise zur Leistungsüberprüfung

Compulsory attendance in presence, required readings, presentation. Outline of master's thesis' research design according to information of lecturers.

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Exclusively for MSD-students. Students of IJSD may attend the course according to the agreement with MSD responsible contact person. No other students admitted.

Anmeldung zur Lehrveranstaltung

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).

Exclusively for MSD-students. Students of IJSD may attend the course according to the agreement with the MSD responsible contact person. NO other students admitted.

Bemerkungen

Mandatory course for all students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for the "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus.

Plenary meetings for all participants on Mondays, 08:15 to 10:00 am on the following dates:
Plenary meetings: 1: 20.02.23; 2: 06.03.23; 3: 03.04.23; 4: 17.04.23.

Meetings in between in groups according to the announcements of responsible teaching member.

This course is offered by the MSD: Prof. Dr. Patricia Holm and Frank Krysiak (lead) are part of the MSD teaching committee board. I. Schubert is team member of the sustainability research group and holds a teaching assignment.

50267-01	Seminar: Current Topics in Social Science Based on Sustainability Research	3 KP
	Dozierende	Annika Sohre
	Zeit und Ort	Mo 10:15-12:00 Vesalianum, Seminarraum (O2.02)
	Datum	20.02.2023
	Intervall	wöchentlich



Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	By the end of the semester the participants will have acquired competencies and skills necessary to disclose current topics of social science based sustainability research. Specifically, they will know how to set up systematic search strategies to find and delimitate relevant and current topics; how to elaborate the state of discussion in a given field; and how to specify knowledge gaps. Furthermore, they will learn how to summarize debates about current sustainability issues.
Inhalt	Sustainability research in the social sciences is a rapidly developing field that covers a broad range of debates within and across various disciplines and problem areas. This poses a huge challenge to keep track of “what is going on?”, to filter interesting topics and cope with the complexity of different contributions. Furthermore, there is a growing demand for social scientists to improve science communication, that is, condensing scientific results to comprehensible information, e.g. in the state-of-the-art section of a master thesis. In a lab setting, the students will systematically identify and engage with a current topic of social science-based sustainability research based on the method of systematic literature reviews. The students: - search and select current topics, and they further elaborate these topics in literature reviews; - discuss empirical, theoretical, methodological and practical issues concerning current topics; - present and discuss the developed topics orally and in written form.
Literatur	Tba during the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence, required readings, oral presentation, essay. Details according to information of lecturer.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'); Limited number of participants (20); students of the MSD (incl. MSD preparation semester) and IJSD have priority. If you study something different you must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies.
	MSD 2017 Students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP).
Anmeldung zur Lehrveranstaltung	Please note entry requirements (for details see section "admission requirements"). Mandatory application for ALL! Link open from 17.01.23/noon-05.02.23/midnight: https://adam.unibas.ch/goto_adam_crs_544052.html Login and application only possible with open link. Link guides to the ADAM website. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of the first deadline. In case of vacancies the online application link remains open until 06.03.23/noon. Course enrollment on MOA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five).



Bemerkungen

Please note entry requirements and mandatory course application procedure (additional to registration on MoNA).

MSD 2017

For students with focus area in social sciences the seminar is mandatory for the published module.

Transfer of credit points to the FASR module (learning agreement) is only possible for students with focus area in natural sciences or in economics.

This seminar is offered by MSD. Dr. A. Sohre is a Senior Researcher of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences and head of the research network "Sustainable Future" (Univ. of Basel).

33426-01	Seminar: Quantitative Data Analysis in African Studies	3 KP
Dozierende	Elisio Macamo	
Zeit und Ort	Mi 10:15-12:00 Rheinsprung 21, Seminarraum 00.004	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Zentrum für Afrikastudien	
Module	Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Creating, Analyzing and Visualizing of Data (MSF - Digital Humanities) Modul: Introduction to Digital Humanities (MSF - Digital Humanities) Modul: Methoden der Near & Middle Eastern Studies und der Gesellschaftswissenschaften (MSF - Near & Middle Eastern Studies) Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie) Modul: Research Skills (MSG - African Studies) Modul: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources) Modul: Transfer: Europa interdisziplinär (MSG - Europäische Geschichte in globaler Perspektive)	
Lernziele	Students know - that "analysis" is above all an exercise in argumentation; - how to identify the logical structure of explanations in quantitative analysis; - how basic argument forms such as comparison and representativeness can be deployed in analysis; - how to avoid the pitfalls of faulty reasoning such as in "cause and effect", "ignoring evidence" and "anticipation"; - how to deploy quantitative analytic tools in the context of Africa.	
Inhalt	The aim of this course is to improve participants' ability to read and critically engage with quantitative research reports. It assumes no advanced knowledge of mathematics and does not expect participants to be familiar with advanced statistical methods. The course will introduce participants to the logic of quantitative analysis by exploring fundamental aspects of the logic underlying it and in this way improving participants' own analytical and critical skills. In preparation for the course, participants are required to not only read the recommended literature, but also identify a quantitative research report (article, book chapter, etc.), which they are expected to critically evaluate as part of their own evaluation for the course.	
Literatur	Neuman, Lawrence, W. 2007: Basics of Social Research – Qualitative and Quantitative Approaches. Pearson Education. Boston (chapter 10). Kalof, Linda, Dan, Amy and Dietz, Thomas 2008: Essentials of Social Research. Open University Press. Maidenhead (chapter 3). Best, Joel 2001: Damned Lies and Statistics – Untangling numbers from the media, politicians, and activists. University of California Press. Berkeley. Browne, M. Neil and Keeley, Stuart M. 2007: Asking the Right Questions – A guide to critical thinking. Pearson Prentice Hall. New Jersey. Murphy, Robert P. Economists Should Be More Careful With Their Statistics. Here: https://www.econlib.org/library/Columns/y2018/Murphystatistics.html	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	Pass / Fail	



Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
Hinweise zur Leistungsüberprüfung	In preparation for the course, participants are required to not only read the recommended literature, but also identify a quantitative research report (article, book chapter, etc), which they are expected to critically evaluate as part of their own evaluation for the course. The block course consists of morning sessions only except from tuesday. Participants must allow for sufficient time for daily assignments..
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften

49078-01 Kurs: Research Design Master's Thesis 3 KP

Dozierende	Patricia Holm Frank Christian Krysiak Iljana Schubert
Zeit und Ort	Mo 08:15-10:00 Vesalianum, Seminarraum (O2.02) Plenary meetings: 1: 20.02.23; 2: 06.03.23; 3: 03.04.23; 4: 17.04.23.
Datum	20.02.2023
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
Lernziele	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know how to identify a valuable research topic in the field of sustainable development, to develop a related research question directed to a contribution to the scientific debate as well as designing a research approach (e.g. choice of methods) directed to answering the research question; - are able to characterize intersections between their approach and other disciplines as well as intersections with non-academic fields (such as politics, business etc.); - are familiar with formal requirements for a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).
Inhalt	Writing a master's thesis related to a topic of sustainability is the masterpiece of the MSD study program. Students are expected to use productively their acquired knowledge (in terms of methods and sustainability related content) for analyzing a specific topic. However, developing a research design that copes with scientific scrutiny and accuracy is by far not an easy endeavour. Questions like 'How can I find an interesting topic?' or 'According to which criteria should I decide to go for a specific method?' or - and most important - 'Why and how do I have to link my research design to the ongoing scientific discourse?' are waiting to be answered. This course is thought to support the students in developing their research proposal in a structured, systematic and scientific manner. Students get familiar with necessary elements of a master thesis: problem framing, introduction, background, aims, hypothesis, research questions, methods, results, discussion, reflection/contribution to the scientific debate etc. Students also learn how they can identify a valuable research topic in the field of sustainable development. Some elements are thereby generic, i.e. independent of a specific disciplinary perspective. Other elements are, to the contrary, highly dependent on the chosen disciplinary field. Other elements are concerned with capturing intersections between the field. Against this backdrop, the class will be jointly given by the three teachers at the beginning, when it comes to unfold the generic components. Subsequently the class will be split into three groups and the students will develop their research proposal along the specific requirements according to their own focus areas.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren



Hinweise zur Leistungsüberprüfung	Compulsory attendance in presence, required readings, presentation. Outline of master's thesis' research design according to information of lecturers.
Belegen bei Nichtbestehen Einsatz digitaler Medien Unterrichtssprache Teilnahmevoraussetzungen	beliebig wiederholbar kein spezifischer Einsatz Englisch Exclusively for MSD-students. Students of IJDSD may attend the course according to the agreement with MSD responsible contact person. No other students admitted.
Anmeldung zur Lehrveranstaltung	Course enrollment on MOA should be completed by the beginning of the teaching period (withdrawal possible until Monday of teaching week five). Exclusively for MSD-students. Students of IJDSD may attend the course according to the agreement with the MSD responsible contact person. NO other students admitted.
Bemerkungen	Mandatory course for all students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for the "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. Plenary meetings for all participants on Mondays, 08:15 to 10:00 am on the following dates: Plenary meetings: 1: 20.02.23; 2: 06.03.23; 3: 03.04.23; 4: 17.04.23. Meetings in between in groups according to the announcements of responsible teaching member. This course is offered by the MSD: Prof. Dr. Patricia Holm and Frank Krysiak (lead) are part of the MSD teaching committee board. I. Schubert is team member of the sustainability research group and holds a teaching assignment.

47275-01	Seminar: Empirical Research in Public Economics	6 KP
Dozierende	Beat Hintermann	
Zeit und Ort	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	20.02.2023	
Intervall	unregelmässig	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Preparation Master's Thesis in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Research Design in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Research Design in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Seminararbeiten (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)	
Lernziele	See content.	
Inhalt	In this master seminar, students familiarize themselves with a paper in the field of public or environmental economics published in a top journal and gain practical experience with data management and analysis. The skills acquired will be useful in the context of writing the master thesis, as well as in students' subsequent careers. The task is to replicate and extend the assigned paper. Articles will be suggested, but students are free to propose their own paper that they wish to replicate, subject to approval by Prof. Hintermann. The extension can focus on a subsample, include different explanatory variables, employ an alternative methodology and/or use additional data. The goal of the extension is to investigate the robustness of the original work and to provide additional insights. Since the focus of this seminar is empirical and involves the application of existing code associated with the chosen paper, previous knowledge of statistical software packages will be helpful. Most of the papers listed in the seminar are written in Stata (R and Python are also used, but in a distinct minority of the papers). We will support the students during the	



seminar, but we do not have the capacity to offer a personalized introduction to the different software packages. Please keep this in mind when signing up for the seminar. If you have absolutely no experience with statistical software packages, we suggest that you attend an introductory course at the beginning of the semester.

Literatur	See syllabus
Weblink	https://wwz.unibas.ch/de/publiceconomics/teaching/
Leistungsüberprüfung	Seminarleistung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An- und Abmelden: Fakultät
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Completed Bachelor in Business and Economics. The further prerequisites are - 12036 Econometrics must be passed successfully

More about the general prerequisites and the allocation process can be found here: <https://wwz.unibas.ch/de/studium/master/masterseminare/>

Anmeldung zur Lehrveranstaltung	Knowledge of Stata or R is highly recommended. The application for this seminar is done centrally and online until January 9, 2023 with the Studiendekanat. The link to the online application form and more information can be found here: https://wwz.unibas.ch/de/studium/master/masterseminare/ The registration is binding. In case of non-participation after registration it will be noted as "nicht erschienen" in the transcript. For a break up after receiving a subject and title, there will be a "1.0" recorded.
Bemerkungen	The seminar will take place in-class.

17691-01	Vorlesung: International Trade, Resources and the Environment	3 KP
Dozierende	M. Scott Taylor	
Zeit und Ort	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Auditorium	
Datum	02.05.2023	
Intervall	Block	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies)	
Lernziele	see content	
Inhalt	This course investigates the linkages between international trade and the environment from both a theoretical and empirical viewpoint. It investigates the theoretical links between international trade and sustainability in two ways by studying the link between trade and resource use on the one hand and trade and industrial pollution on the other. It then reviews the empirical evidence linking trade to environmental outcomes using the theory as a guide to evaluate and critique the literature.	
Literatur	Some of the material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	Leistungsnachweis	



Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: Studiendekanat
Hinweise zur Leistungsüberprüfung	There will be one final exam and a paper requirement. The exam date will be established in the first lecture. The paper should be a critical analysis of a scholarly or popular article discussing some aspect of international trade's impact on the environment. The paper must use, at least implicitly, the tools and logic developed in the course. The date of the exam as well as the deadline of the paper will be posted and mentioned in the first class. Exam date: 30.05.23; 12:15-13:45.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Required: A good understanding of the principles of economics and of microeconomics. Recommended: Advanced International Trade and Business Environmental and Resource Economics
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam! A deregistration is possible until May 6, 2023 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to belegungstorno-wwz-at-unibas.ch.
Bemerkungen	The course will be taught "in - class". You should have a look at some of the literature discussed in class in advance of the course to be prepared for the course. The material will be accessible on ADAM approximately three weeks in advance of the start of the course. Students will be able to access the reading material after registration. The course is part of the "Guestprofessorship in Globalization - Internationalization of the Economy"

16036-01	Vorlesung: Microeconometrics and Statistical Learning	3 KP
Dozierende	Christian Kleiber	
Zeit und Ort	Mi 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Schadenversicherung (Masterstudium: Actuarial Science) Modul: Specific Electives in Data Science and Computational Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Modul: Technology Field (Masterstudium: Business and Technology) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	



Inhalt	<p>Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p> <p>Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. Also, the number of covariates is typically modest. The present course has two parts:</p> <p>* In the first part, the course will cover classical (nonlinear) regression models for applications where data are naturally discrete, e.g. binary or count data. It will use the framework of generalized linear models (GLMs), which provides a unified approach to models such as logit, probit and Poisson regression. Inference will be likelihood based.</p> <p>* In the second part, there will be an introduction to the recent literature on statistical learning (aka machine learning), specifically to the notion of regularisation, with LASSO and ridge as the main examples.</p> <p>If time permits there will also be a chapter on finite mixture models.</p> <p>Remarks:</p> <p>* All course materials are on OLAT.</p> <p>* Empirical illustrations may include data from labor economics, health economics, or insurance, among further sources. The course will make use of the R language for statistical computing and graphics, hence basic knowledge of this software (including data import, running regressions) is expected.</p> <p>* In order to make room for further (regression) models, there will at most be a brief review of likelihood methods, possibly offered in digital form. Participants are expected to be familiar with these methods at the level of the compulsory MSc level Econometrics course.</p>
Literatur	<p>Main references:</p> <p>Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press. James G, Witten D, Hastie T, Tibshirani R (2021). An Introduction to Statistical Learning, 2nd ed. New York: Springer. [available in electronic form via the university library!] Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer.</p> <p>Further (topic-specific) references will be indicated in the relevant contexts. https://www.unibas.ch/de/oekonometrieundstatistik/lehre/</p>
Weblink	
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren
Hinweise zur Leistungsüberprüfung	Notes for the Assessment: Written exam; in addition there will be several assignments, accounting for up to 30% of the overall grade. written exam: 23.06.23; 09:00-10:30. You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://www.unibas.ch/en/studies/examinations/de-/registration-of-examinations/ Prior to 20.03.23, please deregister only in the Online Services. The examination rooms will be published by 26.5.23.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Prerequisites: Completed bachelor's degree (for students majoring in Business and Economics). Introduction to Econometrics [BA] (for students from other departments: regression basics). Econometrics [MSc] (for students from other departments: a second course in statistics, notably likelihood methods).



Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MOA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

62659-01	Vorlesung: Numerical Methods and Optimization	3 KP
Dozierende	Hannes Weigt	
Zeit und Ort	Mi 12:15-14:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Core Courses in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Fundamentals in Economics (Masterstudium: Economics and Public Policy) Modul: Risiko-Analyse (Masterstudium: Actuarial Science) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in International Business, Trade and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
Lernziele	Overall, the purpose of this course is to enhance students' abilities to translate economic questions into a formal mathematical language and in turn understand the mathematical properties and results of models from an economic perspective. Consequently, the purpose of the course is not to provide students with detailed knowledge on specific computational approaches and algorithms.	
Inhalt	Building upon the economic basics from the core courses, students learn how to transfer economic problems and questions into mathematical models which can in turn be solved using computational methods. The lecture will focus on economic understanding and interpretation of models with examples from the topical fields of the MEPP. In particular, students will learn what economic modeling entails, how to develop basic model formulations for a given research question, the purpose of different model approaches, and the limits of modeling. In addition, students will learn how to implement and solve simple numerical models. To this end the lecture will use both, generic economic exercise examples to showcase the basic elements of modeling as well as test models within the fields of the MEEP which students are tasked to interpret and extend. Thereby students will be able to experience how modeling can be applied to understand economic structures and dynamics and how numerical methods can help to solve and quantify specific questions. The modeling elements of the lecture will focus on single agent and system perspectives (optimization models) as well as actor interactions (equilibrium models), which are recurring themes throughout economics.	
Literatur	Any needed literature will be provided in the lecture.	
Weblink	https://wwz.unibas.ch/de/energieoekonomie/lehre/	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Performance will be assessed via homework assignments and a final written exam. written exam: 15.06.23; 10:15-11:45. You can still withdraw from the examination by submitting a completed, signed form to our office from 21.03.23 until 31.03.23 / 12:00 o'clock. The deregistration form and the mail address can be found on the homepage of the Dean of Studies Office: https://wwz.unibas.ch/en/studies/examinations/de-/registration-of-examinations/ Prior to 20.03.23, please deregister only in the Online Services. The examination rooms will be published by 26.5.23.	



Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	The lecture elements of the course will provide the needed economic and mathematical basics. Nevertheless, a solid background in microeconomics and mathematics is required. Basic understanding of computational economics will be helpful, but is not required.
Anmeldung zur Lehrveranstaltung	It is not assumed that students are familiar with a specific programming language or modeling software. A set of different models will be provided (i.e. in GAMS). However, the lecture will not provide detailed background on coding in general. Registration: Please enrol in MOA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch). Enrolment = Registration for the exam!
Bemerkungen	The course will be taught in class

63593-01	Vorlesung mit Übungen: Methods in Policy Impact Assessment	3 KP
Dozierende	Robin Argueyrolles Ruth Delzeit	
Zeit und Ort	Mi 14:15-16:00 Geographie, Seminarraum EG 0-09	
Datum	22.02.2023	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Geowissenschaften	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Landscape Systems (Masterstudium: Geowissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Geographische Methoden- und Forschungskompetenz (MSF - Geographie) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Interdisciplinary and Applied African Studies (MSG - African Studies)	
Lernziele	Know the different phases of policy evaluation; Have knowledge about the usability and limitation of models in policy evaluation; Work with Computable general equilibrium (CGE) and agent-based models; Have basic knowledge of GAMS	
Inhalt	The lecture consists of one hour of theoretical background and one hour of exercises. In the theory part, the different instruments and phases of policy evaluation are discussed. In the exercise, students learn to use models for ex-ante policy evaluation. For this reason, students will also get acquainted to the programming language GAMS	
Literatur	Burfisher, Mary E. (2020). Introduction to computable general equilibrium models. 3rd edition. Cambridge university press	
Weblink	https://duw.unibas.ch/de/forschungsgruppen/landnutzungsänderungen/	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	1-6 0,5	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Anm.: Belegen Lehrveranstaltung; Abm.: stornieren	
Hinweise zur Leistungsüberprüfung	Die Leistungsüberprüfung findet als benotete Übungen statt.	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Some preliminary knowledge of programming is useful.	
Bemerkungen	Anwesenheitspflicht	