

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) and 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 Business and Economics of the University of Basel.

Until July 2020 the teaching committee (TC) is chaired by Prof. Dr. Frank Krysiak, Dep. of Resource Economics, Faculty of Economics. Vice chair is Prof. Dr. Paul Burger, head of the Sustainability Research Group, Department of Social Sciences, Faculty of Humanities and Social Sciences.

The coordination office of the MSD is managed by Camelia Chebbi, for contact details see academic advice.

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 the detailed course directory (dcd) and the medium-term syllabus 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.

The coordination office MSD is located at Vesalgasse 1/2nd floor, CH-4051 Basel.

For short consultation the coordination office MSD is open on Monday, Tuesday, and Thursday: 09.30 - 11.30 a.m.

Individual study counseling on request.

Modul: Komplementärer Basisbereich Naturwissenschaften

50260-01	Vorlesung: Ecology and Evolution		1 KP
	Dozierende	Jan Beck	
	Zeit und Ort	Mi 16:15-18:00 Vesalianum, Seminarraum (O2.02) Class starts on 26.02.20 and takes place fortnightly (see details on "dates and rooms").	
	Datum	26.02.2020	
	Intervall	14-täglich	
	Angebotsmuster	Jedes Frühjahrsem.	
	Anbietende Organisationseinheit	Departement Umweltwissenschaften	
	Module	Modul Aufbaubereich naturwissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) 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, agro-sciences 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	



Literatur	<p>(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.</p> <p>Recommended textbooks:</p> <ul style="list-style-type: none"> - 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. <ul style="list-style-type: none"> - The selfish gene by Richard Dawkins, Oxford University Press. - Collapse: how societies choose to fail or survive by Jared Diamond; Penguin Books. <p>All books are available at Basel university library. Additional journal article links or PDFs will be made available during the course (via ADAM).</p>
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Written examination at the end of the semester: 20.05.20: 16.15-17.45h (room tba).
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Participation only possible for MSD students (incl. preparation semester) and students who are studying a master's degree in the field of Natural Sciences.
Bemerkungen	<p>MSD 2017 Mandatory for students with focus area in social sciences and in economics, transfer of CP to another module is not possible.</p> <p>For students with focus area in natural sciences the lecture is optional, credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement).</p> <p>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</p>

36792-01	Vorlesung: Terrestrial ecosystem ecology and sustainable land use	2 KP
Dozierende	Ansgar Kahmen	
Zeit und Ort	Do 14:15-16:00 Botanik, Hörsaal 00.003	
Datum	20.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Integrative Biologie	
Module	<p>Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften)</p> <p>Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie)</p> <p>Modul Biologie 5 (Bachelorstudium: Biologie (Studienbeginn vor 01.08.2013))</p> <p>Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017))</p> <p>Modul: Biologie 5 (Bachelorstudium: Biologie)</p> <p>Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)</p>	
Lernziele	<p>You learn about:</p> <ul style="list-style-type: none"> - the concept of ecosystem goods and services and the multifunctionality of land use - key processes determining energy, carbon nitrogen and water cycling in ecosystems - the impacts of global environmental changes on biogeochemical cycles - the role of biodiversity for ecosystem functioning - strategies for the sustainable use of ecosystem goods and services 	
Inhalt	<p>Terrestrial ecosystems deliver ecosystem goods (food, timber, fuel) and services (carbon sequestration, nutrient cycling, water purification) that we as people depend on. The delivery of these ecosystem goods and services is tightly coupled to biogeochemical cycles that determine the fluxes of carbon, water or nutrients in ecosystems. In «Terrestrial ecosystem ecology and sustainable land use» we will present the key mechanisms that drive biogeochemical cycles in terrestrial ecosystems from leaf to globe. We will explain the impact</p>	



of global environmental change (climate change, nitrogen deposition, loss of biodiversity, land use changes) on biogeochemical cycles and ecosystem services and will discuss sustainable management strategies that can mitigate these impacts. In essence, this class will teach the ecological principles that underlie the sustainable use of natural and agricultural ecosystems.

Literatur

- Canadell JG, et al. (2007) Terrestrial ecosystems in a changing world. Springer Verlag.
- Chapin FS, Matson PA, Mooney HA (2002) Principles of terrestrial ecosystem ecology. Springer Verlag.
- Lambin EF, Geist HJ (2006) Land-use and land-cover change. Springer Verlag.
- Newton PCD, et al. (2007) Agroecosystems in a changing climate. CRC.
- Schlesinger W (1997) Biogeochemistry. Academic Press.
- WRI - World Resources Institute (2000) World Resources 2000-2001: People and ecosystems, the fraying web of life. World Resources Institute.
- Millenium Ecosystem Assessment - Ecosystems and Human Well-being (2005) Island Press.
- Naeem S, et al. (2009) Biodiversity, Ecosystem Functioning, and Human Wellbeing. Oxford University Press.
- Altieri, M. A. Agroecology: The Science of Sustainable Agriculture. Boulder, CO: Westview Press, 1995.
- Gliessman, S. R. Agroecology: Ecological Processes in Sustainable Agriculture. Boca Raton, FL: CRC Press, 2000.

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

Lehrveranst.-begleitend

Skala

1-6 0,5

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

An-/Abmelden: Belegen resp. Stornieren der Belegung via MONA

Hinweise zur Leistungsüberprüfung

Semesterendprüfung, mündlich
Zeit und Ort nach Vereinbarung

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

40076-01	Vorlesung mit Übungen: Technical Basis of Generation, Distribution and Storage of Energy	3 KP
	Dozierende	Wolfgang Hoffelner
	Zeit und Ort	Mi 10:15-12:00 Vesalianum, Seminarraum (O2.02) First teaching day: 26.02.2020!
	Datum	26.02.2020
	Intervall	wöchentlich
	Angebotsmuster	Jedes Frühjahrsem.
	Anbietende Organisationseinheit	Departement Umweltwissenschaften
	Module	Modul Grundlagenbereich Naturwissenschaften (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)
	Lernziele	Students - know the technical/scientific background behind the various methods and plants for energy production; - know the technical/scientific background of future energy systems (production, distribution, storage, recovery); - are able to judge about advantages and limitations of future energy concepts; - are able to judge about future national and international energy concepts and scenarii.
	Inhalt	Current discussions concerning scenarii for production and use of energy as well as the development of future energy strategies require knowledge about the basis of the different energy systems. During the lecture the students will get a deeper understanding of technical, physical and chemical backgrounds behind various kinds of energy as well its production technologies. The variety of future machines, plants and options for communication require also knowledge about energy storage and energy distribution. Recovery of energy, which is based on the conversion of energy, is a basic element in energy saving and needs understanding of physical-chemical processes. The lecture shall enable students to objective and critical discussions concerning the complex concepts of future energy matters. In addition to the local Swiss requirements also the global dimension of energy will be considered. Possible discussion points are: - Basis of Energy Systems - Traditional Energy Production - Renewable Energies - Energy Storage and Recovery



- Smart Grids
- Mobility, etc.

Literatur	Literature will be given throughout the semester.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Written examination: date and timeslot tba.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the MSD (incl. preparation semester), IJSD and those studying a master's degree in the field of natural sciences.
Bemerkungen	MSD 2017 Mandatory for students who have chosen the focus area in social sciences or in economics. For students with focus area in natural sciences the credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement). MSD 2010 Pflicht für Studierende mit Studienvarianten Phil.-Hist. und WW. Studierende mit Studienvariante Phil.-Nat. können diese LV nach Rücksprache mit Prof. Dr. P. Holm für den Vertiefungsbereich Phil.-Nat. anrechnen lassen (learning contract). This lecture is offered by MSD. Dr. Wolfgang Hoffelner holds a teaching assignment.

Modul: Komplementärer Basisbereich Gesellschaftswissenschaften

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Rony Emmenegger	
Zeit und Ort	Mi 12:15-14:00 Rosshofgasse (Schnitz), Seminarraum S 01 First teaching day: 26.02.2020!	
Datum	26.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) 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.	
Inhalt	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.

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?

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.

Literatur	Relevant literature tba during the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
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 (25), students of the MSD, IJDS and the listed programs (see list of modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies. Additional entry requirements for participants who do not study the MSD or IJDS: They must have passed successfully one of the following lectures or a similar one (= credit points already acquired) during a former semester: - 11513: Sustainability: A new Societal Paradigm? - 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit; - 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft; - 41829: Perspectives of Social Sciences on Sustainability; - or something similar to prove evidence of knowledge regarding sustainable development and/or democracy.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/midnight: https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website. The link is open as soon as the application form is online). NOTE: Be aware of special entry requirements. Course inscription via MOA remains mandatory. In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.
Bemerkungen	Please note entry requirements and mandatory course application procedure (additional to registration on MOA). MSD 2017 Mandatory for students with focus area in natural sciences and in economics. For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement).



MSD 2010

Anrechnung gemäss Modulpublikationen oder für den Vertiefungsbereich Phil.-Hist. (learning contract).

The seminar is offered by MSD. Dr. Rony Emmenegger is a post doc staff member of the Sustainability Research Group at Unibas and holds a teaching assignment.

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?	3 KP
Dozierende	Paul Burger	
Zeit und Ort	Mi 08:15-09:45 Kollegienhaus, Hörsaal 115 Start of teaching: 26.02.20	
Datum	26.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich 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 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.	
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.	
Literatur	Literature tba during lecture.	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt	
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MoNA	
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual time slot.	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Only master's students of social sciences and MSD (incl. preparation semester and IJSD) accepted.	
Bemerkungen	MSD 2017 Mandatory lecture for all students. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the former degree. If a), or b) applies, you have to register for a different course according to prior agreement with Prof. Dr. P. Burger. MSD 2010 Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 19	

This lecture is offered by MSD. Prof. Dr. Paul Burger is a member of the Teaching Committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel

Modul: Komplementärer Basisbereich Wirtschaftswissenschaften

10160-01	Vorlesung: Environmental and Resource Economics	6 KP
Dozierende	Frank Christian Krysiak Florian Kuhlmeiy	
Zeit und Ort	Di 12:15-14:00 Kollegienhaus, Hörsaal 102 Di 16:15-18:00 Kollegienhaus, Hörsaal 102	
Datum	18.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul Aufbaubereich wirtschaftswissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Economics (ECON) II (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) Wahlbereich Bachelor Wirtschaftswissenschaften: Empfehlungen (BSF - Wirtschaftswissenschaften) 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	Semesterendprüfung	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Belegen via MOA innerhalb der Belegfrist	
Hinweise zur Leistungsüberprüfung	Written exam:	
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 (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!	

Modul: Interdisziplinäre Forschung zu Nachhaltigkeit

50399-01	Kolloquium: Introduction to Ongoing MSD Master's Thesis	1 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Datum	17.02.2020	



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 50339 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	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Brief presentation that discusses the contribution of one of the Master's theses presented. Details will be handed out at the beginning of the semester to those registered for the course on MOnA..
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the Master's Degree in Sustainable Development MSD 2017.
Anmeldung zur Lehrveranstaltung	Register on MOnA as soon as possible.
Bemerkungen	Schedule spring semester 2020 tba: Meeting 1: ttmj/ hh to hh; Meeting 2: ttmj/ hh to hh; Meeting 3: ttmj/ hh to hh; Duration depends on the number of presentations. This course is offered by MSD. The professors - Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.

50768-01 Kolloquium: Methods in Economics: Survey Data Collection and Analytics 3 KP

Dozierende	Aya Kachi
Zeit und Ort	Do 10:15-14:00 Wirtschaftswissenschaftliche Fakultät
Datum	20.02.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	1. learn survey and survey experiment methods from an applied, practical point of view, 2. learn how to use them in research.
Inhalt	This course is part of the full module "Colloquium: Survey Research Methodology (6KP)". In order to master fully the entire research process involving a survey and a survey experiment, it is strongly recommended that you sign up for the 6KP full module. In case you sign up for this 3KP module, the following will more or less what you will learn. The course is intended as an applied method colloquium taught at the master's level. The course welcomes motivated students who are willing to complete required readings beforehand, and discuss and participate actively in class with your peer. Creativity in thinking is always a little bit of a plus for survey- and survey-experiment oriented research. This partial module aims to prepare you for understanding good research involving a survey and a survey experiment. The course covers three major areas: (1) the nature of the survey response, including the typical psychology of attitude expressions and social desirability pressures; (2) general issues around quantitative survey research, including random and systematic



measurement errors, and the logic of causal analysis; and (3) analyzing and interpreting treatment effects (for survey experiments) using an existing (but not your own) survey experiment data. The topical area covered in this colloquium is mostly within the realm of climate- and energy-related policy issues; however, this should not prevent you from learning survey research methodology, even if your research interests were in other topical areas such as marketing and international trade. We will use R for quantitative analyses. Energy and Climate Policy—Citizens' Perspectives (VV-Nr: 43030) is not a strict requirement but highly recommended before taking this course. Basic knowledge of sampling and statistics would be useful. The final grade will be based on active participation, homework assignments and a final examination.

The largest difference from the full (6KP) version "Colloquium: Survey Research Methodology" is the following. In the full module, during the latter half of the colloquium, we, collectively as a class, will draft an original survey experiment together, and field it with a convenience sample (i.e. "real people"). In doing so, in the full module, we will learn and use Qualtrics as a survey software (which we will explore together in the course). Instead of the final examination, in the full module, each of us will write a short research note based on our original survey data, analyzing "real" results. Therefore, the full module would take a more thorough learning-by-doing style, including technical implementation of a survey, as well as thorough discussions on decisions regarding survey wording etc. Needless to say, one would also learn (by doing), what to illustrate in the final report.

Literatur	Required readings will be available on ADAM
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MoNA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	(1) Occasional individual or group assignments related to survey design. (2) Active participation in class. (3) Final examination. The final grade will be the sum of all these activities.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Energy and Climate Policy—Citizens' Perspectives (VV-Nr: 43030) is not a strict requirement but highly recommended before taking this course. Alternatively, some experience (courses) and knowledge about public opinion or survey-based market research can be helpful. Basic knowledge of sampling and statistics would be useful. Basic knowledge of R is also useful.
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!

52317-01	Kolloquium: Presentation of Concepts of MSD Master's Thesis	1 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Datum	24.02.2020	
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	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation of 10 minutes, followed by a discussion of 15 minutes.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the MSD 2017. The application concerning the "master's thesis" has already been approved by the teaching committee.
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle: https://doodle.com/poll/gi3m2s83tybyqgg Presentation time slots according to announcements. Registration on MOnA remains mandatory.
Bemerkungen	Schedule spring semester 2020 tba. Meeting 1: ttmj/ hh to hh; Meeting 2: ttmj/ hh to hh; Meeting 3: ttmj/ hh to hh; Duration depends on the number of presentations. This course is offered by MSD. The professors - Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.

53982-01	Kolloquium: Presentation of Results of MSD Master's Thesis	1 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit und Ort	schedule tba	
Datum	24.02.2020	
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	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation of thesis (10 min.) and discussion (15 min.).	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Only for students of the MSD 2017 who have to present the results of their master's theses. The theses have to be completed at least up to 80% or may have been submitted already prior to the final presentation.	
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle: https://doodle.com/poll/gi3m2s83tybyqgg Presentation time slots according to announcements. Registration on MOnA remains mandatory.	
Bemerkungen	Schedule spring semester 2020: tba Meeting 1: ttmj/ hh to hh; Meeting 2: ttmj/ hh to hh;	

Meeting 3: ttmj/hh to hh;

Duration depends on the number of presentations.

This course is offered by MSD. The professors - Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.

56830-01	Kolloquium: Sozialforschung und Methodologie	2 KP
	<p>Dozierende Manfred Max Bergman</p> <p>Zeit und Ort Mi 18:15-20:00 Soziologie, Hörsaal 215</p> <p>Datum 26.02.2020</p> <p>Intervall wöchentlich</p> <p>Angebotsmuster einmalig</p> <p>Anbietende Organisationseinheit Fachbereich Soziologie</p> <p>Module Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development) Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Politik, Entwicklung und soziale Ungleichheit (BSF - Soziologie) Modul: Wirtschaft, Wissen und Kultur (BSF - Soziologie) Modul: Methoden der Near & Middle Eastern Studies und der Gesellschaftswissenschaften (MSF - Near & Middle Eastern Studies) Modul: Ungleichheit, Konflikt, Kultur (MSF - Soziologie)</p> <p>Lernziele Participants will - expand their competences in assessing scientific work and research - learn how to critique scientific work constructively - be exposed to multidisciplinary and transdisciplinary research</p> <p>Die Teilnehmenden haben - ihre Kompetenzen für wissenschaftliches Arbeiten und Forschen vertieft, - gelernt, konstruktive Kritik zu üben. - multidisziplinäre und transdisziplinäre Forschungsansätze verstanden. - ihren wissenschaftlichen Horizont zur empirischen Sozialforschung erweitert.</p> <p>Inhalt The colloquium presents contemporary studies on the relevance for the social and related sciences. We will present qualitative and quantitative studies. We focus on studies relating to local and global social structures, change, and transitions. Im Kolloquium werden aktuelle empirische Studien mit Relevanz für die Sozialwissenschaften präsentiert und diskutiert. Dabei stehen verschiedene methodische Vorgehen ebenso wie die durch diese erworbenen Erkenntnisse im Fokus. Den thematischen Schwerpunkt bilden Studien zu sozialen Strukturen und sozialen Transitionen.</p> <p>Literatur Preparatory literature: Crouch, C. (2016). Society and social change in 21st century Europe. Pelgrave. Goldin, I. (2016). The pursuit of development. Economic growth, social change, and ideas. Oxford University Press. James, H. (2012). The creation and destruction of value: The globalization cycle. Harvard University Press.</p> <p>Leistungsüberprüfung Lehrveranst.-begleitend</p> <p>Skala Pass / Fail</p> <p>Wiederholungsprüfung keine Wiederholungsprüfung</p> <p>An-/Abmeldung zur Prüfung Anmelden: Belegen; Abmelden: nicht erforderlich</p> <p>Hinweise zur Leistungsüberprüfung Regular participation and submission of all colloquium notes (pass/fail).</p> <p>Belegen bei Nichtbestehen nicht wiederholbar</p> <p>Einsatz digitaler Medien kein spezifischer Einsatz</p> <p>Unterrichtssprache Englisch</p>	
50729-01	Projekt: Training for Sustainability Research	6 KP
	<p>Dozierende Paul Burger Marius Christen Patricia Holm Frank Christian Krysiak</p> <p>Datum 24.02.2020</p> <p>Intervall unregelmässig</p> <p>Angebotsmuster Jedes Frühjahrssem.</p>	



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. 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. Typically, the topics will be linked to on-going research projects of the research groups supervising this course. The group work will mainly build on existing studies; the student groups will assess and link scientific literature from the different disciplines and combine these studies to a consistent interdisciplinary review on a given topic. The emphasis is thus on combining disciplinary approaches. 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.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Groups hand in a joint essay; presentation of group work.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD students and those of the IJSD.
Bemerkungen	Mandatory for all students of MSD 2017. plenary sessions on: tba meeting 1: meeting 2: meeting 3: meeting 3: (incl. final presentations). Meetings in between with faculty representatives according to agreement.

50901-01	Seminar: Qualitative Data Analysis: Analyzing Text and Talk	3 KP
Dozierende	Manfred Max Bergman	
Zeit und Ort	Mo 09:15-16:00 Kollegienhaus	
Datum	17.02.2020	
Intervall	Block	
Angebotsmuster	unregelmässig	
Anbietende Organisationseinheit	Fachbereich Soziologie	
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development) Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Geographische Methoden- und Forschungskompetenz (MSF - Geographie) Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: qualitativ (MSF - Soziologie)	
Lernziele	- Assess the suitability of specific research questions for different types of qualitative data analyses - Set up and perform qualitative data analyses on different types of non-numeric data - Understand the limits of qualitative data analysis - Present findings from qualitative data analysis orally and in written form	
Inhalt	This one-week intensive course covers introductory and advanced issues on how to analyze non-numeric data. While the primary focus is on the analysis of textual data, most of the covered methods and techniques are also applicable to audio and visual data. Examples of data suitable for qualitative analysis include interview transcripts, focus group recordings, print media, archival documents, government reports, corporate annual non-financial reports, blogs, meeting notes, diaries, photo collections, and social media posts. The first part of the course addresses the selection and preparation of non-numeric data for systematic qualitative analysis. The second part covers different groups of data analysis techniques. The	



Literatur	third deals with quality concerns in qualitative data analysis, and the fourth with how to present and defend qualitative data analysis. The course will include examples and exercises that deal with different aspects of sustainability. The participants will work in groups on a small research project.
Leistungsüberprüfung	Denzin and Lincoln, Handbook of Qualitative Research (4th ed). SAGE
Skala	Lehrveranst.-begleitend
Wiederholungsprüfung	Pass / Fail
An-/Abmeldung zur Prüfung	keine Wiederholungsprüfung
Hinweise zur Leistungsüberprüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
	Regular attendance; required reading; project presentation (on Friday, the final day of the bloc):
	ppt presentation, written abstract of presentation; pass/fail
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Limited number of participants (20). Previous experience in qualitative research methods.
Bemerkungen	Sociology and political science students have priority.

48955-01	Seminar: Tools and Methods of Natural Sciences Research	3 KP
Zeit und Ort	Mo 12:15-14:00 Vesalianum, Seminarraum (O2.02) Start of teaching: 24.02.20	
Datum	24.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) 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; - and know about the difference between an observation and an experiment, induction and deduction, empiricism and rationalism, descriptive and experimental approaches. The students - understand the influence of observer, equipment, and experimental design on the outcome of an experiment; - know about sample sizes, research design, and error types; - understand the importance of positive / negative controls and standards. The students - know natural science methods that are important in the context of sustainability, such as molecular species identification, water quality parameters, behavioral assays, community assessments, assays for chemical contaminants, 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. I. Adrian-Kalchhauser 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	Scientific Method: A Historical and Philosophical Introduction by Barry Gower. ISBN-13: 978-0415122825 Material handed out during the semester/seminar.	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	



An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
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	Exclusively for MSD students and students in preparation to the MSD.
Bemerkungen	MSD 2017 Mandatory seminar for all MSD students.

This seminar is offered by MSD. The teaching is done by 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	Karen Bussmann Patricia Holm	
Zeit und Ort	Mi 18:15-19:00 Vesalianum, Seminarraum (O2.02) field trip: Saturday, 20.06.20 (= latest arrival day) to Sunday, 28.06.20 (earliest departure day). Preliminary meeting; 19.02.20/18.15h; preparation meeting: on agreement.	
Datum	19.02.2020	
Intervall	unregelmässig	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Lehrveranstaltungen Masterstudium Biologie der Tiere (Masterstudium: Biologie der Tiere) Modul Aufbaubereich naturwissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Wahlbereich Wasser (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie (Studienbeginn vor 01.08.2013)) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)	
Lernziele	The students - are able to distinguish the whale species and their typical behavior; - have a knowledge about important relationships between components of the marine ecosystem; - know prominent representatives of the litoral; - know typical fields of conflict between man and nature; - and are able to critically discuss possible solutions.	
Inhalt	Whale watching, sampling and identification of plankton, studying litoral ecosystem, studying of fish species on the markets in Tarifa, theoretical background of selected topics at the intersection of marine biology of the Mediterranean, the North Atlantic and anthropogenic factors at the Strait of Gibraltar.	
Literatur	tba	
Leistungsüberprüfung	Lehrveranst.-begleitend	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
Hinweise zur Leistungsüberprüfung	Oral presentation and practical work during field trip.	
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 (19), Students of the MSD and those of the mentioned fields of study have 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 20). If you study something different you must do a master's degree within the 'Faculty of Natural Science' and may participate in case of vacancies.	
	Further entry requirements for MSD students: MSD 2017 Students who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (incl. courses of	

spring semester 20).

MSD 2010

Die Studierenden mit den Studienvarianten Phil.-Hist. und WW haben die Grundlagen- und Aufbaubereiche Phil.-Nat. bis und mit FS 19 weitestgehend abgeschlossen, mindestens jedoch 12 KP für beide Module erworben (inkl. Belegungen vom FS 20).

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL: Link for application open 19.02.20/19.00h to 15.03.20/ midnight:

https://adam.unibas.ch/goto_adam_fold_744950.html

(Login on top row right hand side of ADAM website. The link is open as soon as the application form is online).

NOTE: Be aware of special entry requirements. Course inscription via MOOnA remains mandatory.

In case of vacancies the mandatory online application link remains open until 15.03.20/ midnight.

Bemerkungen

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

MSD 2017

For students with focus area in natural sciences the field trip is optional for the "Core Competences in Natural Sciences" module.

All students may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement).

MSD 2010

Studierende mit Studienvariante Phil.-Nat. können diese LV entweder im publizierten Wahlbereich oder im Vertiefungsbereich Phil.-Nat. anrechnen lassen (learning contract).

Schedule:

Preliminary meeting: 19.02.20 at 18.15h (aprox. 1 hour);

Preparation meeting of one day: date according to agreement.

field trip: Saturday, 20.06.20 (= latest arrival day) to Sunday, 28.06.20 (earliest departure day).

This field trip is offered by 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 TQNE. Karen Bussmann holds a MSc in Biology (Major in Evolution and Ecology) and is doing her PhD within the research group MGU.

57244-01	Kolloquium: MSD Life Science		1 KP
	Dozierende	Patricia Holm	
	Zeit und Ort	Di 16:15-17:00 Vesalianum, Seminarraum (O2.02)	
	Datum	25.02.2020	
	Intervall	wöchentlich	
	Angebotsmuster	einmalig	
	Anbietende Organisationseinheit	Departement Umweltwissenschaften	
	Module	Modul Wahlbereich Wasser (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
	Lernziele	Die TeilnehmerInnen - üben und verbessern ihre Auftrittskompetenzen im Kontext einer Präsentation von wissenschaftlichen Daten; - üben und verbessern ihre Fähigkeiten wissenschaftliche Artikel kritisch zu diskutieren; - erwerben Wissen über aktuelle Themen, Ansätze und Methoden der wissenschaftlichen Nachhaltigkeitsforschung (aus Sicht der Naturwissenschaften).	
	Inhalt	- Aktuelle Themen, wissenschaftliche Ansätze und neue Methoden in Ökologie und Nachhaltiger Entwicklung; - Präsentation und Diskussion eigener Forschungsprojekte (einschliesslich Masterarbeiten); - Präsentation und Diskussion von wichtigen, bahnbrechenden Publikationen.	



Literatur	Literaturangaben werden während den einzelnen Kolloquiumsterminen gemacht.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MoNA
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
Teilnahmevoraussetzungen	Für MSD-Studierende mit Studienvariante Phil.-Nat. Weitere Angaben zur Belegung und Anrechnung im MSD 2010, im MSD 2017 sowie für Doktorierende (siehe unter Bemerkungen).
Anmeldung zur Lehrveranstaltung	Belegen. Bitte melden Sie sich zudem direkt bei Prof. Dr. P. Holm.
Bemerkungen	Anrechnung MSD 2010: Jene, die ihre Arbeit bei P. Holm schreiben, müssen das Kolloquium absolvieren. Allen anderen steht es frei, das Koll. zu absolvieren. Anrechnung MSD 2017 Pflichtveranstaltung für ALLE mit Studienvariante Phil.-Nat. (unabhängig davon, wie die Betreuung und Beurteilung der Masterarbeit geregelt sind). Der Entscheid zu welchem Zeitpunkt das Kolloquium belegt wird, erfolgt in Rücksprache mit Prof. Dr. P. Holm. Weiter ist das Kolloquium für Doktorierende am MGU. Die Anrechnung der LV regeln sie in Rücksprache mit P. Holm. Dies ist ein Angebot vom MSD. Prof. Dr. P. Holm ist Leiterin von MGU und vom TQNE sowie Mitglied der Unterrichtskommission MSD.

50264-01	Vorlesung mit Übungen: Global Change Ecology	3 KP
Dozierende	Philipp Hirsch	
Zeit und Ort	Mi 14:15-16:00 Vesalianum, Seminarraum (O2.02)	
Datum	26.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Departement Umweltwissenschaften	
Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
Lernziele	The students - 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	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. 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. 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. Specific topics include (but are not limited to!): 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.	



The lecture

- 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.

Practical course:

As a practical key 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).

The portfolios will be collected and commented by peers and the lecturer. Based on this feedback the portfolios are developed as a complimentary 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.

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

An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA

Hinweise zur Leistungsüberprüfung

Regular attendance, readings, create a learning portfolio.

Written exam at the end of the semester: 27.05.20: 14.15 - 15.45h (location tba).

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Non-MSD students must be studying a master's degree in the field of natural sciences.

MSD 2017

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). Mandatory lecture for students with focus area in natural sciences. No transfer of CP to another module possible.

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/midnight:

https://adam.unibas.ch/goto_adam_fold_744950.html

(Login on top row right hand side of ADAM website. The link is open as soon as the application form is online).

NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory.

In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.

Bemerkungen

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

MSD 2017

Mandatory lecture for MSD students with focus area in natural sciences.

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

MSD 2010

Anrechnung für den Vertiefungsbereich Phil.-Nat. möglich (learning contract).

This lecture is offered by MSD. Dr. P. Hirsch is post doc staff member of Men-Society-Environment, Dep. Environmental Sciences, Faculty of Sciences.



Zeit und Ort	Pedro Batista Moritz Lehmann Fr 09:00-17:00 Geographie, Seminarraum EG 0-09 Vorbesprechung am Montag, 24.02.20 um 16:30 Uhr 13. März 20, 24. April 20 und 15. Mai 20 jeweils von 9:00-17:30 Uhr
Datum	24.02.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Geowissenschaften
Module	Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
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	Lehrveranst.-begleitend
Skala	1-6 0,5
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
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 Vertiefung in Umweltgeowissenschaften und Biogeochemie. Andere Masterstudierende der Geowissenschaften sind willkommen.
Bemerkungen	Veranstaltung an 3 Freitage 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	Paul Burger	
Zeit und Ort	Di 10:15-12:00 Rosshofgasse (Schnitz), Sitzungsraum S 184 First teaching day: 25.02.2020!	
Datum	25.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) 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 class will - learn on disciplinary approaches on changing individual energy behavior from economics, psychology, social sciences; - reveal the benefits and the necessity of an interdisciplinary approach to understand changes in individual energy behavior; - identify different governance strategies and levels of intervention to changing individual energy behavior.	
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 behavior in single domains, however,	



	<p>households seems to be quite inert in their energy consumption. The so far weak success story on reducing overall energy consumption indicates that our understanding of the determining factors of individual energy consumption as well as of its change is far from being conclusive. Thereby, households or individuals are not treated as energy consumers properly speaking but as consumer of energy services. This widens the horizon to also include people's („socially constructed“) wants.</p> <p>We will introduce different disciplinary approaches in the field of changing individual energy behavior to clarify the diverging perceptions of the opportunities to change the behavior. Regarding economics, energy is often seen as a commodity and consumers will adapt usage in response to price signals. In psychological conceptions, energy use can be affected by stimulus-response mechanisms or by promoting environmental values. Sociology is often not looking at individuals but at practices displaying social meanings in relation to „materials“. Having revealed strengths and weaknesses of these approaches we will focus on an interdisciplinary frame integrating different perspectives on the change of individual energy behavior. Finally, we will further investigate and discuss the prospects and limitations of different governance/intervention strategies on multiple levels that are directed at changing individual energy behavior.</p>
Literatur	tba in class
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
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 (25). Students of the MSD (incl. preparation semester), IJDSO and those of the listed programs (see list of modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies.
	<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.</p> <p>MSD 2010 Dieses Seminar ist im Wahlbereich Energie und Klimawandel/Bereich Phil.-Hist. publiziert. Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Hist. zu absolvieren haben, müssen diese bis und mit HS17 weitestgehend abgeschlossen haben.</p>
Anmeldung zur Lehrveranstaltung	<p>Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/ midnight:</p> <p>https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website. The link is open as soon as the application form is online).</p> <p>NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory.</p> <p>In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.</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. 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). Transfer of credit points to the "Focal Areas in Sustainability Research" module (learning agreement) is possible for all students.</p> <p>MSD 2010 Allgemein empfehlen wir den Studierenden im MSD 2010, LV aus dem Wahlbereich erst zu</p>



belegen, wenn die KP aus den Grundlagen- und Aufbaubereichen weitestgehend erworben sind.

Dieses Seminar kann für den Vertiefungsbereich Phil.-Hist. angerechnet werden (learning contract).

This seminar is offered by MSD. Prof. Dr. Paul Burger is a member of the teaching committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Rony Emmenegger	
Zeit und Ort	Mi 12:15-14:00 Rosshofgasse (Schnitz), Seminarraum S 01 First teaching day: 26.02.2020!	
Datum	26.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) 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.	
Inhalt	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. 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? 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.	



Literatur	Relevant literature tba during the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
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 (25), students of the MSD, IJDS and the listed programs (see list of modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies. Additional entry requirements for participants who do not study the MSD or IJDS: They must have passed successfully one of the following lectures or a similar one (= credit points already acquired) during a former semester: - 11513: Sustainability: A new Societal Paradigm? - 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit; - 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft; - 41829: Perspectives of Social Sciences on Sustainability; - or something similar to prove evidence of knowledge regarding sustainable development and/or democracy.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/ midnight: https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website. The link is open as soon as the application form is online). NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory. In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.
Bemerkungen	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. For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement). MSD 2010 Anrechnung gemäss Modulpublikationen oder für den Vertiefungsbereich Phil.-Hist. (learning contract). The seminar is offered by MSD. Dr. Rony Emmenegger is a post doc staff member of the Sustainability Research Group at Unibas and holds a teaching assignment.

57243-01	Seminar: Quality of Life and Sustainability: Theoretical and Empirical Approaches	3 KP
Dozierende	Paul Burger	
Zeit und Ort	Di 14:15-16:00 Alte Gewerbeschule, Seminarraum -159	
Datum	25.02.2020	
Intervall	wöchentlich	
Angebotsmuster	unregelmässig	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	



Lernziele	Students - will know different theoretical and empirical approaches to well-being - will know relations between well-being and sustainability (by looking at the debate on sustainable consumption) - are able to critically discuss claims regarding well-being and sustainability
Inhalt	Quality of Life and Sustainability: Theoretical and Empirical Approaches Sustainability is very often understood in terms of environmental protection („saving the planet“). Well-being or quality of life and the like are also very often conceived of as either something different from sustainability or even the opposite of sustainable development („we do not want to go back to the cave“) – at least in countries of the Global North. There are, however, very good reasons to deal with them as being inextricably linked with each other. The seminar will go along this line. We will first look at different theoretical approaches to well-being (or quality of life) following the hedonic (life satisfaction, happiness) and the eudaemonic (e.g. capabilities) tradition. Second, we will gain insights from ongoing empirical research on well-being that especially takes relations to consumption into account. Against that backdrop, we will consider literature related to change of consumption patterns („sustainable consumption“) to gain a better understanding on the relationship as well as on interesting research questions in that field.
Literatur	tba in class
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
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 (25). Students of the MSD, IJSD and the listed programs (see list of modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies. MSD 2017 MSD 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). MSD 2010 Dieses Seminar ist im Wahlbereich Energie und Klimawandel/Bereich Phil.-Hist. publiziert. Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Hist. zu absolvieren haben, müssen diese bis und mit HS17 weitestgehend abgeschlossen haben.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/ midnight: https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website. The link is open as soon as the application form is online). NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory. In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.
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 optional for 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 CP). Transfer of credit points to the "Focal Areas in Sustainability Research" module (learning agreement) is possible for all students. MSD 2010 Dieses Seminar ist für den Kernbereich Phil.-Hist. publiziert und kann für den

Vertiefungsbereich Phil.-Hist. angerechnet werden (learning contract).

This seminar is offered by MSD. Prof. Dr. Paul Burger is a member of the teaching committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?	3 KP
Dozierende	Paul Burger	
Zeit und Ort	Mi 08:15-09:45 Kollegienhaus, Hörsaal 115 Start of teaching: 26.02.20	
Datum	26.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich 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 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.	
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.	
Literatur	Literature tba during lecture.	
Leistungsüberprüfung	Leistungsnachweis	
Skala	1-6 0,1	
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt	
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual time slot.	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Only master's students of social sciences and MSD (incl. preparation semester and IJSD) accepted.	
Bemerkungen	MSD 2017 Mandatory lecture for all students. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the former degree. If a), or b) applies, you have to register for a different course according to prior agreement with Prof. Dr. P. Burger. MSD 2010 Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 19	

This lecture is offered by MSD. Prof. Dr. Paul Burger is a member of the Teaching Committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of

Modul: Kernbereich Wirtschaftswissenschaften

43498-01	Kolloquium: Psychological Theory in Consumer Behavior	6 KP
Dozierende	C. Miguel Brendl	
Zeit und Ort	Mi 14:15-18:00 Rosshofgasse (Schnitz), Sitzungsraum S 184	
Datum	19.02.2020	
Intervall	14-täglich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)	
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. You need to have either taken "Microeconomics and Psychology of Decision Making" or, if you are not a student of business/economics in Basel, an introductory psychology course.</p> <p>Although the course takes numerous applications from the academic field of consumer behavior, it focuses on general psychological theory. Specifically, it teaches you how to conduct research with a psychological/experimental orientation. For that reason it 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 social and cognitive psychology as it relates to preferences (attitudes, feelings, evaluative judgments, choice).</p> <p>-For those with a prior degree in psychology the course offers learning how to derive behavioral predictions from theories, as opposed to just describing theories. This skill goes beyond merely describing a theory and is important for anyone who wants to actually use a psychological theory.</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	see syllabus	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	Semesterendprüfung	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist	
Hinweise zur Leistungsüberprüfung	<p>Format of the Class Sessions</p> <p>The core of class discussion is formed by the exercises. Every session your homework consists of readings and exercises that ask you to make predictions for an experiment. Every session 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 for each session.</p> <p>Grading:</p> <p>The following components will contribute to your grade:</p> <ol style="list-style-type: none"> 1. Your contributions to the class discussion. 2. The presentations you give for both, the exercises and the readings. 3. A detailed write-up of an exercise. 	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	



Teilnahmevoraussetzungen

A maximum of 15 students can enroll. We will emphasize the following for admissions:
 • Students for whom this course counts for their graduation will be favoured.
 • Grades in the Kernfächer 31960 "Microeconomics and Psychology of Decision Making" and 12036 "Econometrics" or in equivalent courses if you come from another discipline.

Anmeldung zur Lehrveranstaltung

As the course is restricted to 15 students, please fill in the application form on the following link (https://www.unibas.ch/qualtrics.com/SE/?SID=SV_2c0DEuwNcPwZEvr) by February 7th, 2020. As soon as you get admitted to the course (by February 16th), you should enrol in MOnA.

56949-01	+ Kolloquium: The Economics of Climate Change	3 KP
Dozierende	Rebecca Lordan-Perret	
Zeit und Ort	Di 12:15-14:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
Datum	18.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften)	
Lernziele	Students will develop an understanding of how economists try to translate the physical impacts of climate change into economic costs using integrated assessment models. By the end of the course, students should have deep understanding of the implications of various modeling assumptions and valuation techniques that enable them to think critically about the useful applications and limitations of these models for policymaking.	
Inhalt	In this course, we focus on economic approaches to assessing climate change from a social welfare perspective. We begin with an overview of the scientific basis of climate change and its fundamental connection to economics. We then investigate the current methods used to price the externalities caused by greenhouse gas emissions, including methods to estimate the value of non-market goods (e.g., biodiversity and health) toward the estimation of the social cost of carbon. We discuss the intrinsic ethical meanings and implications of economic modeling choices; the sensitivity of economic results to functional form, underlying assumptions, and uncertainty; and the importance of economic results in informing climate policies globally.	
Literatur	To be distributed in class.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	Semesterendprüfung	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist	
Hinweise zur Leistungsüberprüfung	The colloquium is composed of weekly readings to motivate our roundtable discussions/lectures of 1.5 hours and homework assignments (format: essays, presentations, or problem sets). There are no exams.	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	
Unterrichtssprache	Englisch	
Teilnahmevoraussetzungen	Basic course in microeconomics assumed.	
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	Use of electronic devices not permitted during course time (this includes taking notes on tablets, laptops, etc). This course is designed to be interactive and discussion-based; electronic devices in this setting have little use and, in fact, typically hinder participation and attention. Please understand that no exceptions can be made for the sake of fairness.	
53713-01	Seminar: Environmental and Energy Economics	6 KP
Dozierende	Frank Christian Krysiak	
Zeit und Ort	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
Datum	17.02.2020	



Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Seminararbeiten (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)
Lernziele	You will acquire in-depth knowledge on the topic chosen for your seminar thesis. In addition, you will learn how to extract the main results from scientific studies, how to apply them to a particular question, how to compare and discuss different studies, and how to build your own argument on this basis. If you choose to do so, you can also learn how to (slightly) extend existing studies on your own.
Inhalt	The course will cover current topics in environmental and energy economics, ranging from water pollution, climate change, promotion of renewables to new designs for electricity markets. Students will choose their individual topic from a supplied list and work individually on their seminar thesis. However, they will be required to connect their work to the general topical clusters of the seminar and to discuss the work of other students. During the first weeks, some training on presentation skills and on providing constructive feedback will be given.
Literatur	Students will receive one literature reference for their topic as a starting point for their own literature search.
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/
Leistungsüberprüfung	Seminarleistung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An- und Abmelden: Fakultät
Hinweise zur Leistungsüberprüfung	Students are required to write a seminar thesis based on existing scientific literature on their topic that includes an original contribution. This contribution can be either (a) a (small) extension of existing studies or (b) the application of existing results to a particular research question that involves connecting different studies and building your own argument. In addition, students are required to present their study, to comment on the study of at least one other student, and to contribute to the discussions during the seminar. Consistent attendance is obligatory.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	For students in the MA Business and Economics: Completed Bachelor in Business and Economics. The further prerequisites are that at least one of the following courses has been taken: 14255 Advanced Environmental Economics (Krysiak) 29002 Elektrizitätsmärkte: Zwischen Regulierung und Wettbewerb (Weigt) 17691 International Trade, Resources and the Environment (Taylor) MSD-Students without a bachelor degree in economics/business and without focus area in economics are supposed to have completed the "Complementary Knowledge in Economics" module (MSD 2017) or „Grundlagen- und Aufbaubereiche Wirtschaftswissenschaften“ (MSD 2010, at least of the required credit points being completed). MSD-students with focus area in economics are required to have taken at least one of the courses mentioned above for students in the MA Business and Economics. Students of MA Business and Economics or MSD will be allocated with the same priority that is higher than for students of other programs. More about the general prerequisites and the allocation process can be found here: https://wwz.unibas.ch/de/studium/master-business-and-economics/masterseminare/



Anmeldung zur Lehrveranstaltung

The application for this seminar is done centrally and online from December 2, 2019 until January 6, 2020 with the Studiendekanat. The link to the online application form and more information can be found here: <https://wwz.unibas.ch/de/studium/master-business-and-economics/masterseminare/>

The registration is binding. In case of non-participation after registration it will be noted as "nicht erschienen" in the transcript. If you drop the course after having been assigned a topic, you will receive the grade "1.0".

10625-01	+ Vorlesung: Advanced International Trade and Business	6 KP
Dozierende	Rolf Weder	
Zeit und Ort	Do 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 Fr 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	20.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich 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: Regional Integration and Global Flows (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)	
Lernziele	Learning objectives: 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	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. One or two guestlectures will be integrated in the course.	
Literatur	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.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	Semesterendprüfung	
Skala	1-6 0,1	
Wiederholungsprüfung	keine Wiederholungsprüfung	
An-/Abmeldung zur Prüfung	Belegen via MoNA innerhalb der Belegfrist	



Hinweise zur Leistungsüberprüfung

How to attain the learning objectives:

Students should read the required reading in advance of each session. Some of this reading is very short. The required reading will be 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.

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 at the beginning of the term.

Belegen bei Nichtbestehen
Einsatz digitaler Medien
Unterrichtssprache
Teilnahmevoraussetzungen

Date of Written exam:
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.

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

In 2020, I intend to use more time for discussions on company strategies and economic policy in the light of the new technological developments ("Digitization") and the determinants of innovation.

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.

56945-01	Vorlesung: Dynamic Optimization in Environmental Economics	3 KP
	Dozierende	Prudence Dato
	Zeit und Ort	Di 16:15-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S16 HG.39
	Datum	18.02.2020
	Intervall	wöchentlich
	Angebotsmuster	Jedes Frühjahrsem.
	Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
	Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)
	Leistungsüberprüfung	Semesterendprüfung
	Skala	1-6 0,1
	Wiederholungsprüfung	keine Wiederholungsprüfung
	An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
	Belegen bei Nichtbestehen	beliebig wiederholbar
	Einsatz digitaler Medien	kein spezifischer Einsatz
	Unterrichtssprache	Englisch
	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!

40106-01	Vorlesung: Game Theory and Theory of the Firm	6 KP
	Dozierende	Dragan Ilic Catherine Roux
	Zeit und Ort	Mo 18:15-20:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) Mi 08:15-10:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16)



Datum	17.02.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) Kernmodul: BWL (Masterstudium: Wirtschaftswissenschaften) (Pflicht) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
Lernziele	<p>Game Theory: As Gibbons (1992, xi) puts it: "Game Theory is the study of multiperson decision problems. Such problems arise frequently in economics. As is widely appreciated, for example, oligopolies present multiperson problems – each firm must consider what the others will do. But many other applications of game theory arise in fields of economics other than industrial organization. At the micro level, models of trading processes (such as bargaining and auction models) involve game theory. At the intermediate level of aggregation, labor and financial economics include game-theoretic models of the behavior of a firm in its input markets (rather than its output market, as in an oligopoly). There are also multiperson problems within a firm: many workers may vie for one promotion; several divisions may compete for the corporation's investment capital. Finally, at a high level of aggregation, international economics includes models in which countries compete (or collude) in choosing tariffs and other trade policies, and macroeconomics includes models in which monetary authority and wage or price setters interact strategically to determine the effects of monetary policy." This course will introduce students to the main concepts and techniques of game-theoretic analysis. At its core lies the understanding of strategic interactions between deciding agents. The students will appreciate how to apply game-theoretic analysis to strategic settings.</p> <p>Theory of the Firm: Why do firms exist? Why are firms organized the way they are? Traditional economic models leave little room for firms or other organizations as they focus on market exchange between individuals. This course will introduce students to microeconomic models that try to explain the existence and structure of firms as we observe them in the real world. Economics brings a rigorous approach that is grounded in theory. The course will provide a basic understanding of economic approaches to modeling and understanding aspects of firms, their structure, the behavior they create, and how they differ from market interaction. About half of the course will be based on the standard textbook by Milgrom and Roberts, the other half will consist of influential articles on the economics of organizations, by authors such as Coase, Williamson, Hart, and Tirole.</p>
Inhalt	<p>Game Theory (first half of the semester): The course is divided into lecture hours and exercise hours. Problem sets will be available before every lecture hour and will be partly solved together in class.</p> <p>Block 1: Static Games of Complete Information:</p> <ul style="list-style-type: none">• Introduction, normal form, best response, dominant strategies, iterated elimination, Nash equilibrium• Mixed strategies• Proof of existence, multiple equilibria, refinements <p>Block 2: Dynamic Games of Complete Information:</p> <ul style="list-style-type: none">• Extensive form, backwards induction• Subgame perfection, repeated games• Infinitely repeated games, bilateral bargaining <p>Block 3: Static Games of Incomplete Information:</p> <ul style="list-style-type: none">• Bayesian games, Bayesian Nash Equilibrium• First-price auction, double auction <p>Block 4: Dynamic Games of Complete and Incomplete Information:</p> <ul style="list-style-type: none">• Purification of mixed strategies, Perfect Bayesian Equilibrium• Signaling games <p>Theory of the Firm (second half of the semester): Markets and Prices as Coordination and Incentive Devices • Transaction Costs</p>



- Team Production
- Asymmetric Information
- Principal-Agent Theory
- Signaling
- Efficiency Wages

Literatur

Literature part Game Theory:
The teaching program follows Robert Gibbon's book "Game Theory for Applied Economists", also known as "A Primer in Game Theory," (Princeton University Press, 1992). Slides for each lecture are uploaded to ADAM in advance.

Literature part Theory of the Firm:
The readings will consist of both scholarly research articles and chapters from the textbook, Economics, Organization and Management, by Paul Milgrom and John Roberts (1992, Prentice Hall). Both kinds of readings will be made available online.

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

Semesterendprüfung

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Belegen via MOnA innerhalb der Belegfrist

Hinweise zur Leistungsüberprüfung

combined written exam:

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

Anmeldung zur Lehrveranstaltung

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

Bemerkungen

For all MIME students: This lecture can be a substitute in the Module 1: Advanced Topics in Economics for the course 31960 Microeconomics and Psychology of Decision Making which is taught in fall term.

17691-01	Vorlesung: International Trade, Resources and the Environment	3 KP
Dozierende	M. Scott Taylor	
Zeit und Ort	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Datum	04.05.2020	
Intervall	Block	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) 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: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) 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	Semesterendprüfung
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: beliebig wiederholbar kein spezifischer Einsatz Englisch Required: A good understanding of the principles of economics and of microeconomics.
Belegen bei Nichtbestehen	
Einsatz digitaler Medien	
Unterrichtssprache	
Teilnahmevoraussetzungen	
Anmeldung zur Lehrveranstaltung	Recommended International Trade Theory, Environmental and Resource Economics Register in MOnA; Eucor students and exchange students contact the Registrar's Office at the Kollegiengebäude within the registration period. Registration = Enrollment for exam. You may unsubscribe by email to the Studiendekanat (studiendekanat-wwz@unibas.ch) until 9 May, 2020.
Bemerkungen	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 "Guestprofessorships in Globalization - Internationalization of the Economy"

10616-01	Vorlesung: Machine Learning	3 KP
Dozierende	Dietmar Maringer	
Zeit und Ort	Do 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37	
Datum	20.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrsem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Schadenversicherung (Masterstudium: Actuarial Science) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften)	
Inhalt	To counter-act the "data-rich, information-poor" ("drip") syndrome, this course covers concepts and techniques that aim at explorative analysis: finding structure within data, and, ideally, extracting information. These methods have their origins in areas such as machine learning, statistical learning, or data mining. These include (but are not limited to) non-linear regression methods, perceptrons and neural networks, support vector machines, tree-based methods, kernel-based methods, or rule-based methods. Typical applications are classification, prediction, clustering, or dimension reduction. Theoretical presentations are complemented with hands-on examples using the software package R and relevant toolboxes. Furthermore, we will discuss issues such as data preprocessing and data management.	
Literatur	T. Hastie, R. Tibshirani, J. Friedman, The Elements of Statistical Learning: Data Mining, Inference, and Prediction, 2nd ed., Springer 2009.	



E. Alpaydin, Introduction to Machine Learning, 2nd ed., MIT Press 2010.

I.H. Witten, E. Frank, M.A. Hall, Data Mining: Practical Machine Learning Tools and Techniques, 3rd ed., Elsevier 2011.

<p>Weblink Leistungsüberprüfung Skala Wiederholungsprüfung An-/Abmeldung zur Prüfung Hinweise zur Leistungsüberprüfung</p> <p>Belegen bei Nichtbestehen Einsatz digitaler Medien Unterrichtssprache Teilnahmevoraussetzungen</p> <p>Anmeldung zur Lehrveranstaltung</p>	<p>additional literature will be announced in the lectures https://adam.unibas.ch Semesterendprüfung 1-6 0,1 keine Wiederholungsprüfung Belegen via MOA innerhalb der Belegfrist Active participation and engagement during the lectures; written assignments (upon agreement); and written exam:</p> <p>beliebig wiederholbar Online-Angebot fakultativ Englisch completed BA in Business and Economics and following lecture: 12036 Econometrics</p> <p>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!</p>
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40105-01 Vorlesung: Macroeconomics and Finance 6 KP

<p>Dozierende</p> <p>Zeit und Ort Datum Intervall Angebotsmuster Anbietende Organisationseinheit Module</p> <p>Lernziele</p> <p>Inhalt</p>	<p>Lukas Hitz Oliver Landmann Heinz Zimmermann Mi 10:15-14:00 Bernoullianum, Grosser Hörsaal 148 19.02.2020 wöchentlich Jedes Frühjahrsem. Wirtschaftswissenschaftliche Fakultät / WWZ Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) Kernmodul: VWL (Masterstudium: Wirtschaftswissenschaften) (Pflicht) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science) Modul: Finanztheorie (Masterstudium: Actuarial Science) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies)</p> <p>Course objective: Introduction to key finance-related long-run and short-run issues in macroeconomics Treatment of key principles of financial economics, in particular related to time and uncertainty, and some corporate finance</p> <p>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</p> <p>Course outline Part Macroeconomics: I Capital Accumulation, Growth, and Income Distribution 1. Capital Accumulation and Economic Growth (Solow and extensions) 2. Economic Growth, the Real Interest Rate and Income Distribution: the Piketty Debate II Asset Prices and Macroeconomic Stabilization</p>
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3. A Review of the Standard Short-Run Macro Model
4. Investment, Tobin's q, and Aggregate Output
5. The New Keynesian Open-Economy Model and Swiss Exchange Rate Policy

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:
 David Romer, Advanced Macroeconomics, 4th ed. 2012, Chapters 1 and 9.
 Thomas Piketty and Emmanuel Saez, Inequality in the Long Run, Science, 344 (6186), 838-843
 Olivier Blanchard, Alessia Amighini/Francesco Giavazzi, Macroeconomics – A European Perspective, 2nd.ed. 2014, Chapter 11.
 Olivier Blanchard, Output, the Stock Market, and Interest Rates, American Economic Review, 71, 1981, 132-143.
 Wendy Carlin/David Soskice, A New Keynesian Open Economy Model for Policy Analysis, CEPR Discussion Paper No. 7979, September 2010.

Weblink

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

Leistungsüberprüfung

Semesterendprüfung

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Belegen via MOnA innerhalb der Belegfrist

Hinweise zur Leistungsüberprüfung

written exam:

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Completed Bachelor in Business and 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!

Bemerkungen

Finance part:
 For each of the three subjects of the lecture, a package of slides is available. They are used in the lectures.

16036-01 Vorlesung: Microeconometrics: Nonlinear Models and Statistical Learning 3 KP

Dozierende

Christian Kleiber

Zeit und Ort

Di 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32

Datum

18.02.2020

Intervall

wöchentlich

Angebotsmuster

Jedes Frühjahrsem.

Anbietende Organisationseinheit

Wirtschaftswissenschaftliche Fakultät / WWZ

Module

Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)

Modul: Schadenversicherung (Masterstudium: Actuarial Science)

Modul: Statistik und Computational Science (Masterstudium: Actuarial Science)

Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics)

Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)

Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften)

Inhalt

Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. However, there are many practical situations where data are naturally discrete, e.g. binary or count data. The course will cover the classical nonlinear regression models for such 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.

In addition, there will be an introduction to the recent literature on statistical learning (aka



machine learning), specifically to the notion of regularisation, with LASSO as the main example. If time permits there will also be a chapter on finite mixture models.

Empirical illustrations may include data from labor economics, health economics, or marketing, 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.

All course materials are on OLAT.

NB.

(1) In order to make room for further (regression) models, there will at most be a brief review of likelihood methods. Participants are expected to be familiar with these methods at the level of the compulsory MSc level Econometrics course.

(2) The course was formerly offered under the title Microeconometrics I. Many topics from that course will still be covered, however, there will be new topics from statistical learning. In order to make room for these, multinomial response models will no longer be covered. They will be included in a restructured course offered by K. Schmidheiny that was formerly called Microeconometrics II.

Literatur

Literature:

Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press.
Fahrmeir, L, Kneib T, Lang S, Marx B (2013). Regression -- Models, Methods and Applications, Springer. [available in electronic form via the university library!]
James G, Witten D, Hastie T, Tibshirani R (2013). An Introduction to Statistical Learning. New York: Springer. [available in electronic form via the university library!]
Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer.

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

Weblink

Leistungsüberprüfung

Skala

Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Hinweise zur Leistungsüberprüfung

Semesterendprüfung

1-6 0,1

keine Wiederholungsprüfung

Belegen via MOnA innerhalb der Belegfrist

Notes for the Assessment:

Written exam (date and duration TBA). Participants may bring (1) a dictionary, (2) a calculator (subject to the usual constraints), two DIN A4 pages (not 2 x 2!) of their own, HANDWRITTEN notes.

In addition, there will be at least two assignments, for which students may work in groups of two. Each assignment will account for 10% of the final grade.

Belegen bei Nichtbestehen

Einsatz digitaler Medien

Unterrichtssprache

Teilnahmevoraussetzungen

written exam:

beliebig wiederholbar

kein spezifischer Einsatz

Englisch

Prerequisites:

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

Introduction to Econometrics (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!

Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften

57245-01	Kolloquium: Sustainability Science Research (social dimension)	1 KP
Dozierende	Paul Burger	
Zeit und Ort	Do 16:15-18:30 Alte Gewerbeschule, Seminarraum -159	
Datum	20.02.2020	
Intervall	wöchentlich	
Angebotsmuster	einmalig	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	



Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development)
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 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 going to be set in the first session.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Presentations.
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
Teilnahmevoraussetzungen	Only for MSD students with focus area in social science.
Bemerkungen	MSD 2010: Only for students with focus area in social sciences; mandatory for those writing a master's thesis within the SRG, voluntary for those, writing the thesis within a different research group. The colloquium can either be credited for the published module or for the specialization module in social sciences (Learning Contract). MSD 2017: Mandatory for all students who have chosen the focus area in social sciences (credits are earned for the module "Preparation master's thesis in Social Sciences" (Learning Agreement). This colloquium is offered by MSD. Prof. Dr. P. Burger is head of the Sustainability Research Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences

49078-01	Kurs: Research Design Master's Thesis	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit und Ort	Mo 08:15-10:00 Vesalianum Plenary meetings on: Mo, 24.02.20; Mo, 09.03.20. Third meeting tba.	
Datum	24.02.2020	
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 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 to non-academic fields (such as politics, business etc.); - are familiar with formal requirements to a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).	
Inhalt	Writing a master's thesis on a sustainability relevant topic 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 in a structured, systematic and scientific manner their research proposal. 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. Still 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 group will split into three groups and the students will develop their research proposal along the specific requirements according their own focus areas.

Leistungsüberprüfung

Skala

Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Hinweise zur Leistungsüberprüfung

Lehrveranst.-begleitend

1-6 0,1

keine Wiederholungsprüfung

An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA

Outline of the planned master's thesis' research design.

Belegen bei Nichtbestehen

Einsatz digitaler Medien

Unterrichtssprache

Teilnahmevoraussetzungen

beliebig wiederholbar

kein spezifischer Einsatz

Englisch

Exclusively for MSD students.

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.

Anmeldung zur Lehrveranstaltung

Please register on MOnA as soon as possible (no additional course application).

Bemerkungen

Group meetings for all participants:

- meeting 1: 24.02.20/08.15 to 10.00h;

- meeting 2: 09.03.20/07.45 to 10.00h;

- meeting 3: tba.

Additional meetings according to agreements with responsible professors.

This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.

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 Rosshofgasse (Schnitz), Sitzungsraum S 181

Datum

24.02.2020

Intervall

wöchentlich

Angebotsmuster

unregelmässig

Anbietende Organisationseinheit

Fachbereich Nachhaltigkeitsforschung

Module

Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017))
Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development)

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



Literatur	comprehensible information, e.g. in the state-of-the-art section of a master thesis.
Leistungsüberprüfung	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:
Skala	- search and select current topics, and they further elaborate these topics in literature reviews;
Wiederholungsprüfung	- discuss empirical, theoretical, methodological and practical issues concerning current topics;
An-/Abmeldung zur Prüfung	- present and discuss the developed topics orally and in written form.
Hinweise zur Leistungsüberprüfung	Tba during the seminar.
Belegen bei Nichtbestehen	Lehrveranst.-begleitend
Einsatz digitaler Medien	1-6 0,1
Unterrichtssprache	keine Wiederholungsprüfung
Teilnahmevoraussetzungen	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
	Regular attendance, required reading, oral presentation, essay.
	beliebig wiederholbar
	kein spezifischer Einsatz
	Englisch
	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (20): students of the MSD and IJDS have priority. If you study something different you must do a master's degree within the '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	Mandatory application for ALL! Link open from 15.01.20/noon - 05.02.20/midnight: https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website; list of forms available when link is open)
	NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.

In case of vacancies the online application link remains open until the second week of teaching + 2 days.

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 (MSD 2017) the seminar is mandatory for the published module. Transfer of credit points to the FASR module (learning agreement) is only possible for those, who have chosen the focus area in natural sciences or in economics.
	MSD 2010 Für Studierende mit Studienvariante Phil.-Hist. (MSD 2010) ist dieses Seminar frei wählbar und kann für den Vertiefungsbereich angerechnet werden (learning contract).
	This seminar is offered by MSD. Dr. A. Sohre is post doc staff member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

46737-01	Seminar: Experimental Research Methods in Social Science	3 KP
Dozierende	Iljana Schubert	
Zeit und Ort	Do 10:15-14:00 First teaching day: 27.02.2020!	
Datum	27.02.2020	
Intervall	unregelmässig	
Angebotsmuster	unregelmässig	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies)	



	<p>Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Empirische Forschungsmethoden der Politikwissenschaft und der Gesellschaftswissenschaften (MSF - Politikwissenschaft) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie)</p>
Lernziele	<p>To understand what experimental research methods are and how to design experiments in social sciences. Gain some experience designing experiments, collecting some data and understanding basic analysis.</p>
Inhalt	<p>This seminar will teach different experimental research techniques, such as lab experiments, field experiments and survey experiments, in the social sciences. It will include practical aspects which will focus on design, data collection and basic data analysis. Each seminar session will be divided into individual presentations and group work to develop, collect data on and analyse a small scale experiment within groups of 2-4 people.</p>
Literatur	<p>tba in class</p>
Leistungsüberprüfung	<p>Lehrveranst.-begleitend</p>
Skala	<p>1-6 0,1</p>
Wiederholungsprüfung	<p>keine Wiederholungsprüfung</p>
An-/Abmeldung zur Prüfung	<p>An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA</p>
Hinweise zur Leistungsüberprüfung	<p>Regular attendance, required reading. Individual presentation and small group experimental research project report.</p>
Belegen bei Nichtbestehen	<p>beliebig wiederholbar</p>
Einsatz digitaler Medien	<p>Online-Angebot obligatorisch</p>
Unterrichtssprache	<p>Englisch</p>
Teilnahmevoraussetzungen	<p>Prior experience with statistical software (e.g. SPSS) as well as prior knowledge of univariate statistics and basic knowledge of ANOVA or OLS regression is expected.</p> <p>Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way than explained ARE NOT taken into account.</p> <p>Limited number of participants (15), Students of the MSD, IJSD and those of the mentioned fields of study (see list of modules) have priority.</p> <p>If you study something different, you must do a master degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies and former inscription as explained.</p>
Anmeldung zur Lehrveranstaltung	<p>Mandatory application for ALL: Link for application open from 15.01.20/noon - 05.02.20/ midnight:</p> <p>https://adam.unibas.ch/goto_adam_fold_744950.html (Login on top row right hand side of ADAM website. The link is open as soon as the application form is online).</p> <p>NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory.</p> <p>In case of vacancies the mandatory online application link remains open incl. the second week of teaching + 2 days.</p>
Bemerkungen	<p>Please note entry requirements and mandatory course application procedure (additional to registration on MOnA).</p> <p>MSD 2017 The seminar is part of the "Preparation Master's Thesis" module. The seminar is eligible for all MSD students. 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), the CP are transferred to the FASR module (learning agreement). For the students with focus area in social science it's mandatory to attend one class in methods, see information in the medium-term syllabus (if they attend this seminar on a voluntary base, they can accredit the CP either for the published module or for the FASR module).</p>



Anrechnung MSD 2010

Dieses Seminar ist im Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung publiziert und kann nach Rücksprache mit P. Burger mittels LC für den Vertiefungsbereich Phil.-Hist. angerechnet werden.

This seminar is offered by MSD. Dr. Ilijana Schubert is a post doc staff member of the Sustainability Research Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences.

33426-01	Seminar: Quantitative Data Analysis in African Studies	3 KP
Dozierende	Elisio Macamo	
Zeit und Ort	Mi 10:00-12:00 Alte Universität, Seminarraum -201	
Datum	19.02.2020	
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: Empirische Forschungsmethoden der Politikwissenschaft und der Gesellschaftswissenschaften (MSF - Politikwissenschaft) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie) Modul: Research Skills (MSG - African Studies) 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. Participants must allow for sufficient time for daily assignments..	
Belegen bei Nichtbestehen	beliebig wiederholbar	
Einsatz digitaler Medien	kein spezifischer Einsatz	



Unterrichtssprache
Bemerkungen

Englisch

This course is held in early June in compact format. It is essential that students have read the preparatory reading by then. Further preparatory tasks will be communicated to the participants by the end of March 2019.

Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften

49078-01 Kurs: Research Design Master's Thesis

3 KP

Dozierende

Paul Burger
Patricia Holm

Frank Christian Krysiak

Zeit und Ort

Mo 08:15-10:00 Vesalianum

Plenary meetings on: Mo, 24.02.20; Mo, 09.03.20. Third meeting tba.

Datum

24.02.2020

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 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 to non-academic fields (such as politics, business etc.);

- are familiar with formal requirements to a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).

Inhalt

Writing a master's thesis on a sustainability relevant topic 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 in a structured, systematic and scientific manner their research proposal. 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. Still 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 group will split into three groups and the students will develop their research proposal along the specific requirements according their own focus areas.

Leistungsüberprüfung

Lehrveranst.-begleitend

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

An-/Abmelden: Belegen resp. Stornieren der Belegung via MOa

Hinweise zur Leistungsüberprüfung

Outline of the planned master's thesis' research design.

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Exclusively for MSD students.

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.

Anmeldung zur Lehrveranstaltung

Please register on MOnA as soon as possible (no additional course application).

Bemerkungen

Group meetings for all participants:
- meeting 1: 24.02.20/08.15 to 10.00h;
- meeting 2: 09.03.20/07.45 to 10.00h;
- meeting 3: tba.

Additional meetings according to agreements with responsible professors.

This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.

40106-01	Vorlesung: Game Theory and Theory of the Firm	6 KP
Dozierende	Dragan Ilic Catherine Roux	
Zeit und Ort	Mo 18:15-20:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) Mi 08:15-10:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16)	
Datum	17.02.2020	
Intervall	wöchentlich	
Angebotsmuster	Jedes Frühjahrssem.	
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ	
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) Kernmodul: BWL (Masterstudium: Wirtschaftswissenschaften) (Pflicht) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)	
Lernziele	Game Theory: As Gibbons (1992, xi) puts it: "Game Theory is the study of multiperson decision problems. Such problems arise frequently in economics. As is widely appreciated, for example, oligopolies present multiperson problems – each firm must consider what the others will do. But many other applications of game theory arise in fields of economics other than industrial organization. At the micro level, models of trading processes (such as bargaining and auction models) involve game theory. At the intermediate level of aggregation, labor and financial economics include game-theoretic models of the behavior of a firm in its input markets (rather than its output market, as in an oligopoly). There are also multiperson problems within a firm: many workers may vie for one promotion; several divisions may compete for the corporation's investment capital. Finally, at a high level of aggregation, international economics includes models in which countries compete (or collude) in choosing tariffs and other trade policies, and macroeconomics includes models in which monetary authority and wage or price setters interact strategically to determine the effects of monetary policy." This course will introduce students to the main concepts and techniques of game-theoretic analysis. At its core lies the understanding of strategic interactions between deciding agents. The students will appreciate how to apply game-theoretic analysis to strategic settings. Theory of the Firm: Why do firms exist? Why are firms organized the way they are? Traditional economic models leave little room for firms or other organizations as they focus on market exchange between individuals. This course will introduce students to microeconomic models that try to explain the existence and structure of firms as we observe them in the real world. Economics brings a rigorous approach that is grounded in theory. The course will provide a basic understanding of economic approaches to modeling and understanding aspects of firms, their structure, the behavior they create, and how they differ from market interaction. About half of the course will be based on the standard textbook by Milgrom and Roberts, the other half will consist of influential articles on the economics of organizations, by authors	

such as Coase, Williamson, Hart, and Tirole.

Inhalt

Game Theory (first half of the semester):
The course is divided into lecture hours and exercise hours. Problem sets will be available before every lecture hour and will be partly solved together in class.

Block 1: Static Games of Complete Information:

- Introduction, normal form, best response, dominant strategies, iterated elimination, Nash equilibrium
- Mixed strategies
- Proof of existence, multiple equilibria, refinements

Block 2: Dynamic Games of Complete Information:

- Extensive form, backwards induction
- Subgame perfection, repeated games
- Infinitely repeated games, bilateral bargaining

Block 3: Static Games of Incomplete Information:

- Bayesian games, Bayesian Nash Equilibrium
- First-price auction, double auction

Block 4: Dynamic Games of Complete and Incomplete Information:

- Purification of mixed strategies, Perfect Bayesian Equilibrium
- Signaling games

Theory of the Firm (second half of the semester):

Markets and Prices as Coordination and Incentive Devices

- Transaction Costs
- Team Production
- Asymmetric Information
- Principal-Agent Theory
- Signaling
- Efficiency Wages

Literatur

Literature part Game Theory:

The teaching program follows Robert Gibbon's book "Game Theory for Applied Economists", also known as "A Primer in Game Theory," (Princeton University Press, 1992). Slides for each lecture are uploaded to ADAM in advance.

Literature part Theory of the Firm:

The readings will consist of both scholarly research articles and chapters from the textbook, Economics, Organization and Management, by Paul Milgrom and John Roberts (1992, Prentice Hall). Both kinds of readings will be made available online.

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

Semesterendprüfung

Skala

1-6 0,1

Wiederholungsprüfung

keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung

Belegen via MOnA innerhalb der Belegfrist

Hinweise zur Leistungsüberprüfung

combined written exam:

Belegen bei Nichtbestehen

beliebig wiederholbar

Einsatz digitaler Medien

kein spezifischer Einsatz

Unterrichtssprache

Englisch

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

Anmeldung zur Lehrveranstaltung

Registration: Please enroll in MOnA. EUCOR-Students and students of other Swiss Universities have to enroll at the students administration office (studeseksupport1@unibas.ch) within the official enrollment period. Enrollment = Registration for the exam!

Bemerkungen

For all MIME students: This lecture can be a substitute in the Module 1: Advanced Topics in Economics for the course 31960 Microeconomics and Psychology of Decision Making which is taught in fall term.

17691-01	Vorlesung: International Trade, Resources and the Environment	3 KP
	Dozierende	M. Scott Taylor
	Zeit und Ort	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
	Datum	04.05.2020
	Intervall	Block
	Angebotsmuster	Jedes Frühjahrsem.



Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul Wahlbereich Energie und Klimawandel (Masterstudium: Sustainable Development (Studienbeginn vor 01.08.2017)) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) 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: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) 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	Semesterendprüfung
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: beliebig wiederholbar kein spezifischer Einsatz Englisch Required: A good understanding of the principles of economics and of microeconomics.
Belegen bei Nichtbestehen	
Einsatz digitaler Medien	
Unterrichtssprache	
Teilnahmevoraussetzungen	
Anmeldung zur Lehrveranstaltung	Recommended International Trade Theory, Environmental and Resource Economics Register in MOnA; Eucor students and exchange students contact the Registrar's Office at the Kollegiengebäude within the registration period. Registration = Enrollment for exam. You may unsubscribe by email to the Studiendekanat (studiendekanat-wwz@unibas.ch) until 9 May, 2020.
Bemerkungen	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 "Guestprofessorships in Globalization - Internationalization of the Economy"