

University of Basel

Master's Studies: Sustainable Development

The aim of the study program:

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

Academic degree:

Master of Science in Sustainable Development

Structure:

The 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 major study focus (Studienvarianten). Precise information concerning the choice of the modules are documented in the paragraph 7 of the study regulations. Further explanations can also be found in the guidelines (pavailable in German and translation in English). Both documents and a graphic representation of the three focus areas can be downloaded from our website: <https://www.msd.unibas.ch/de/home/studies/struktur.html>.

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.

Since August 2016 the teaching committee is chaired by Prof. Dr. Patricia Holm, head of the research group Man-Society-Environment (MSE), Department of Environmental Science, Faculty of Sciences. 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: <http://www.msd.unibas.ch>.

The detailed course directory (KVV) 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 (KVV) and the medium-term syllabus have to be considered: https://www.msd.unibas.ch/en/home/studies/teaching_msd2017.html

Academic advice & study counseling:

For academic advice and information please contact Camelia Chebbi, MA/MAS ETHZ/MAS NPPM FHNW, head of the coordination office: coordination-msd@unibas.ch; +41/61/207 04 20.

Address of the coordination office MSD: Vesalgasse 1, CH-4051 Basel.

Consultation hours have to be arranged in advance.

For general office hours of the coordination office see our website: <https://www.msd.unibas.ch/en/home/services/kontakt.html>

Module: Complementary Knowledge in Natural Sciences

36792-01	Lecture: Biogeochemical cycles and sustainable land use	2 KP
Dozierende	Ansgar Kahmen	
Zeit	Th 14:15-16:00 Botanik, Schönbeinstrasse, Hörsaal 00.003	
Beginndatum	01.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Botanik und Ökologie	
Module	Courses: Master Ecology (Master Ecology) Courses: Master Plant Science (Master Plant Science) Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module Biology 5 (Bachelor Biology (Start of studies before 01.08.2013)) Module: Biology 5 (Bachelor's program: Biology) Module: Complementary Knowledge in Natural Sciences (Master's Studies: Sustainable Development)	
Lernziele	You learn about - 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	Terrestrial ecosystems deliver ecosystem goods and services that we as people depend on. The delivery of these ecosystem goods and services is tightly coupled to biogeochemical processes such as the cycling of carbon, water and nutrients in ecosystems. In "Biogeochemical cycles and sustainable land use" we will present the key mechanisms that drive biogeochemical cycles from leaf to globe. We will explain the impact 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 biogeochemical principles that underlie the sustainable use of natural and agricultural ecosystems.
Literatur	<ul style="list-style-type: none"> - 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	continuous assessment
Skala	1-6 0,5
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOuA
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English

50260-01 Lecture: Ecology and Evolution 1 KP

Dozierende	Jan Beck
Zeit	We 16:15-18:00 Vesalianum, Seminarraum (O2.02) Teaching starts on 07.03.2018!
Beginndatum	07.03.2018
Intervall	every two weeks
Angebotsmuster	Irregular
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Modul Aufbaubereich naturwissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Natural Sciences (Master's Studies: Sustainable Development)
Lernziele	The lecture will <ul style="list-style-type: none"> - provide you with a solid background in ecology and biogeography in a context of conservation and land-use management, with a global perspective; - equip you sound arguments for taking conservation and sustainable management serious; - and foster a critical, science-driven, non-ideological attitude towards assessing policy in a conservation and land-use context.
Inhalt	<p>You care for ecology, you want to conserve biodiversity, and you aim at "thinking global"? This course will equip you with the science behind it.</p> <p>The lecture will first remind you of the basic principles of ecology, evolution and geography, making sure we are all on the same level. I will then introduce the large-scale biogeographic structure of earth, essential background knowledge for global perspectives on "bio & eco". You will learn about the regional and global distributions of biodiversity, their likely causal drivers, and theoretical concepts of biodiversity as far as relevant for conservation and land management. Species' range sizes, rarity and endemism will be further extensions to this topic. The lecture will show that not only do humans substantially affect natural species communities but at the same time human economy and cultures have been, and are, tightly linked to natural, climatic and ecological patterns.</p>



Literatur	The lecture will, in parts, follow the textbook "Biogeography", 4rd ed., by Mark Lomolino, Brett Riddle, Robert Whittaker and James Brown. Further sources and suggestions for additional reading will be presented during the lecture.
Leistungsüberprüfung	proof of course participation
Skala	1-6 0,1
Wiederholungsprüfung	one repetition, best attempt counts
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Written examination at the end of the semester.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Participation only possible for MSD students and students who are studying a master's degree in the field of Natural Sciences.
Bemerkungen	For students of MSD 2017: Mandatory for students with Focus area in Social Sciences and in Economics. 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). This lecture is offered by MSD. Dr. J. Beck holds a teaching assignment.

40076-01	Lecture with practical courses: Technical Basis of Generation, Distribution and Storage of Energy	3 KP
Dozierende	Wolfgang Hoffelner	
Zeit	Mo 10:15-12:00 Vesalianum, Seminarraum (O2.02) Teaching starts on 05.03.2018!	
Beginndatum	05.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Modul Grundlagenbereich Naturwissenschaften (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Natural Sciences (Master's Studies: 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	proof of course participation	
Skala	1-6 0,1	
Wiederholungsprüfung	one repetition, best attempt counts	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA	



Hinweise zur Leistungsüberprüfung	Regular attendance. Written examination at the end of the semester at the same time as usual. Further details regarding practical part tba.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	For students of the MSD 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 may 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.

Module: Complementary Knowledge in Social Sciences

11513-01	Lecture with practical courses: Sustainability: A new Societal Paradigm?	3 KP
Dozierende	Paul Burger	
Zeit	We 08:15-10:00 Bernoullistrasse 14/16, Seminarraum 02.004 Teaching starts on 07.03.2018!	
Beginndatum	28.02.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Social Sciences (Master's Studies: Sustainable Development) Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Konflikt/Kooperation (BSF - Social Sciences (Start of studies before 01.08.2013)) Modul Politik, Entwicklung und soziale Ungleichheit (BSF - Sociology (Start of studies before 01.08.2013))	
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; - are familiar with basic theoretical features regarding 'governance of sustainable development'.	
Inhalt	Sustainable Development has become more and more influential since the famous Brundtland-report in 1987 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 the role model offered across the different disciplines. Against this backdrop, this lecture provides a social science oriented basis for a) understanding sustainable development as a new societal role model for human development; b) conceptualizing sustainable development based on a justice; and c) understanding societal transformation processes towards a more sustainable future. Literature tba during lecture.	
Literatur		
Leistungsüberprüfung	proof of course participation	
Skala	1-6 0,1	
Wiederholungsprüfung	one repetition, best attempt counts	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa	
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual timeslot.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	



Unterrichtssprache	English
Teilnahmevoraussetzungen	Only master's students accepted.
Bemerkungen	MSD 2017 Mandatory lecture. A different choice is only allowed for students, who have a) attended and accredited the same classes in their bachelor's degree; b) attended and accredited comparable classes in their bachelor's degree; c) a first degree in social science (major or minor). If a), b) or c) applies, you have to register for a different course in consultation with Prof. Dr. P. Burger. MSD 2010 Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 18. 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.

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Basil Bornemann	
Zeit	Tu 18:15-20:00 Bernoullistrasse 14/16, Seminarraum 02.004	
Beginndatum	06.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Social Sciences (Master's Studies: Sustainable Development) Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Politik und Entwicklung (MSF - Sociology (Start of studies before 01.08.2013)) Modul Fields: Governance and Politics (MSG - African Studies) Modul Culture and Society (MSG - African Studies (Start of studies before 01.08.2013))	
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 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? And what are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts? 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. Secondly, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Thirdly, a number of case studies of sustainability governance in different fields such as energy, agriculture and transport (or others) 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	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Special course application required for ALL (for details see "course application" or "Anmeldung"). Limited number of participants (25), Students of the MSD, of the IJSD and those of the mentioned fields of study (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. Course applications in a different way then explained ARE NOT taken into account. Additional entry requirements for participants who do not study the MSD or IJSD: They must have passed successfully one of the following lectures or a similar one (= credit points already acquired): - 11513: Nachhaltigkeit: Ein neues gesellschaftliches Paradigma? - 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit; - 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft; - 41829: Gesellschaftswissenschaftliche Perspektiven auf Nachhaltigkeit (fall semester 17: new title in English: 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 open from 18.01.18/noon - 07.02.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory. In case of vacancies the online application link remains open incl. the second week of teaching + 2 days.
Bemerkungen	Mandatory course application and entry requirements! 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. It is also possible to transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement). MSD 2010 Anrechnung gemäss Modulpublikationen. Nach Rücksprache mit Prof. Dr. P. Burger kann das Seminar auch für den Vertiefungsbereich Phil.-Hist. angerechnet werden. The seminar is offered by MSD. Dr. Basil Borneman is a post doc staff member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.



10160-01	+ Lecture: Environmental and Resource Economics	6 KP
Dozierende	Jan Abrell	
Zeit	Tu 12:15-14:00 Chemie, Organische, Grosser Hörsaal OC Tu 16:15-18:00 Chemie, Organische, Grosser Hörsaal OC	
Beginndatum	27.02.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Modul Aufbaubereich wirtschaftswissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Economics (Master's Studies: Sustainable Development) Module: Economics II (Bachelor Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Electives Bachelor Business and Economics: Recommendations (BSF - Business and Economics) Modul Wirtschaft in Osteuropa (BSF - Eastern European Cultures) Modul Wirtschaft in Osteuropa (BSF - Eastern European Cultures (Start of studies before 01.08.2013)) Modul Wirtschaft in Osteuropa (BSG - Eastern European Studies) Modul Wirtschaft in Osteuropa (BSG - Eastern European Studies (Start of studies before 01.08.2013))	
Lernziele	The course communicates an essential understanding of the need for and mechanism of environmental and resource policy. Students learn to apply micro-economic theory to analyze challenges in environmental and resource economics. Completing the course students are able to use these methods to evaluate recent environmental challenges such as global warming and air pollution and to critical reflect on policy approaches including the need for regulation as well as choice and design of regulatory instruments.	
Inhalt	Environmental policy, welfare and ethical foundation of environmental regulation, targets of environmental regulation (effectiveness, efficiency, sustainability), environmental economics and external effects, cost-benefit-analysis, economics of exhaustible resources, economics of renewable resources, climate change	
Literatur	R. Perman, Y. Ma, J. McGilvray and M. Common (2003), "Natural Resource and Environmental Economics", 3. Auflage, Pearson Education.	
Weblink	http://abrell.eu/envecon/	
Leistungsüberprüfung	end-of-semester examination	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Registration via MOnA during registration period	
Hinweise zur Leistungsüberprüfung	Written exam:	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Folgende Veranstaltung sollte vorher belegt worden sein: 10130 Einführung in die VWL Ausserdem wird der vorgängige Besuch der Vorlesung 10134 Intermediate Microeconomics empfohlen. Wer diese Voraussetzung nicht erfüllt, belegt die Veranstaltung auf eigene Verantwortung und muss für den erfolgreichen Besuch dieser Vorlesung eventuell mit einem höheren Anteil an Eigenleistung rechnen. Die Vorlesung darf besucht werden, auch wenn 14288 Ressourcenökonomie bereits besucht wurde. Wer allerdings Umweltökonomie à 6 KP bereits bestanden hat, wird hier nicht zugelassen.	
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and Exchange-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!	
Bemerkungen	Dozent im FS18: Dr. J. Abrell (ETH Zürich)	

Module: Interdisciplinary Research in Sustainability

50399-01	Colloquium: Introduction to Ongoing MSD Master's Thesis	1 KP
Dozierende	Paul Burger	



Patricia Holm

Frank Christian Krysiak

Zeit	Fr 14:15-18:00 Vesalianum, Seminarraum (02.02) as announced Vesalgasse1, 2. Stock: Seminarraum 02.02 Dates: 16.03., 20.04. & 08.06.18/ 14.15 - 18h (duration depending on number of presentations).
Beginndatum	16.03.2018
Intervall	irregular
Angebotsmuster	Every semester
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)
Lernziele	Students learn - to perceive and understand others presentations, insight into other SD research topics; - to give constructive, specific feed-back, discussion about research topics; - to pose interesting questions on other student's presentations.
Inhalt	Within the study program of MSD, students have to register 3 times in a 'master's thesis colloquium'. This colloquium in spring semester 2018 is the the first one. The participants learn to understand the presented research designs, pose questions, and learn to give feedback (using a special feedback form).
Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Written report (valuation of feedback forms).
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Only for students of the Master's Degree in Sustainable Development. Students are supposed to plan to hand in the proposal of the own Master's Thesis by tba.
Bemerkungen	Mandatory for all MSD students. In spring semester 2018 the colloquium takes place on the same time like the "Masterkolloquium" of MSD 2010.

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

Dozierende	Aya Kachi
Zeit	Thursdays 12.15 - 16.00 in room S14, Faculty of Business and Economics (together with the course 43494 Survey Research Methodology)
Beginndatum	26.02.2018
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: 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	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOA during registration period
Hinweise zur Leistungsüberprüfung	(1)Occasional individual or group assignments related to survey design. (3) Active participation in class. (3) Final examination. The final grade will be the sum of all these activities.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
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 MOA. EUCOR-Students and Exchange-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

50729-01	Project: Training for Sustainability Research	6 KP
Dozierende	Paul Burger Marius Christen Patricia Holm Frank Christian Krysiak	
Zeit	Th 10:15-12:00 Vesalianum	
Beginndatum	08.03.2018	
Intervall	irregular	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Module: Interdisciplinary Research in Sustainability (Master’s Studies: 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	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa
Hinweise zur Leistungsüberprüfung	Groups hand in a joint essay; presentation of group work.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Exclusively for MSD students.
Bemerkungen	Mandatory for all MSD students.

50901-01	Seminar: Qualitative Data Analysis: Analyzing Text and Talk	3 KP
Dozierende	Manfred Max Bergman	
Zeit	Mo 09:15-16:00 Vesalianum Tu 09:15-16:00 Vesalianum We 09:15-16:00 Vesalianum Th 09:15-16:00 Vesalianum Fr 09:15-16:00 Vesalianum Bloc seminar; teaching during first week of teaching period: 26.02.-02.03.18: 09.15-16.00h incl. 1h break. Vesalinaum, 2nd floor: Seminarraum 02.02	
Beginndatum	26.02.2018	
Intervall	Block	
Angebotsmuster	Once only	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)	
Lernziele	- Assess the suitability of specific research questions for different types of qualitative data analysis - 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, year-end reports of companies, blogs, meeting notes, and social media postings. 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 third deals with quality concerns in qualitative data analysis, and the fourth with how to present and defend qualitative data analysis. Finally, qualitative data analysis will be explored from a mixed methods perspective. 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	
Literatur	Denzin and Lincoln, Handbook of Qualitative Research (4th ed). SAGE	
Leistungsüberprüfung	continuous assessment	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa	
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, project presentation (on Friday = last day of the bloc): Oral presentation, ppt presentation, written abstract of presentation	
Wiederholtes Belegen	no repetition	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Limited number of participants (25), Students of the MSD and of the IJSD 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.	
Bemerkungen	Mandatory for all students of the MSD 2017. Bloc seminar during first week of teaching period spring 2018: 26.02.18 - 02.03.18: 09.15 until 16.00h, incl. one hour break. Organization of the bloc seminar: Mornings will be mostly dedicated to lectures; afternoons	

mostly to readings, exercises, and working on the research project for the presentation on Friday.

This seminar is organized by the MSD. Prof. Dr. Max Bergman is chair of the Social Research and Methodology Group (SRaM)/Sociology, Department of Social Sciences, Fac. of Humanities and Social Sciences, University of Basel.

48955-01	Seminar: Tools and Methods of Natural Sciences Research	3 KP
Dozierende	Irene Adrian-Kalchhauser	
Zeit	Mo 12:15-14:00 Vesalianum, Seminarraum (O2.02) Teaching starts 05.03.2018!	
Beginndatum	05.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)	
Lernziele	The students - know, understand and are able to apply the scientific method to a problem (as "the organized, logical approach used by all sciences to investigate the world and to arrive at new knowledge"); - can formulate scientific hypotheses and can distinguish them from a question or idea; - know the difference between an observation and an experiment, and between a descriptive versus an experimental approach. 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; - know what kind of information these methods can provide and are aware of their limitations; - have dealt with the task of finding the appropriate method for a specific scientific problem. The students - understand the influence of the observer, of the equipment, and of the experimental design on the outcome of an experiment; - and understand the importance of positive and negative controls and standards, and are able to identify appropriate controls for a scientific experiment.	
Inhalt	We will mix 'lectures', case studies, and self-organized work shadowing to gain knowledge about the 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 teach the method they learned to their fellow students. The focus will be on methods that are relevant in the context of sustainable development and natural sciences.	
Literatur	Scientific Method: A Historical and Philosophical Introduction by Barry Gower. ISBN-13: 978-0415122825 Material handed out during the semester/seminar.	
Leistungsüberprüfung	continuous assessment	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOaA	
Hinweise zur Leistungsüberprüfung	Regular attendance, active participation. Oral presentation and written report.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Exclusively for MSD students and students in preparation of master's degree.	
Bemerkungen	MSD 2017 Mandatory seminar for all MSD students.	



This seminar is offered by MSD. Dr. I. Adrian-Kalchhauser is a scientific researcher and member of MGU (Mensch-Gesellschaft-Umwelt), Dep. of Environmental Sciences, Faculty of Natural Sciences.

Module: Core Competences in Natural Sciences

24172-01	Field trip: Marine Biological Considerations at the Strait of Gibraltar	3 KP
Dozierende	Patricia Holm Thomas Mani	
Zeit	Mo 18:15-20:00 Vesalianum Preliminary meeting (Vorbesprechung): 05.03.2017/at 18:15 (aprox. 1 hour). Preparation meeting (during spring semester 2018) and debriefing (after cw25): tba. field trip 2018: calendar week 25	
Beginndatum	05.03.2018	
Intervall	irregular	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Courses: Master Animal Biology (Master Animal Biology) Electives Bachelor Biology: Recommendations (Bachelor Biology (Start of studies before 01.08.2013)) Electives Bachelor Biology: Recommendations (Bachelor's program: Biology) Modul Aufbaubereich naturwissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Wahlbereich Wasser (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development)	
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 littoral; - 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 littoral 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	continuous assessment	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa	
Hinweise zur Leistungsüberprüfung	Oral presentation and practical work during field trip.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
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 (see list of modules; students of the bachelor's degree in Biology must at least be registered in their 3d semester) have priority. 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. Course application in a different way then explained ARE NOT taken into account.	
	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 (course applications of spring semester 18 are taken into account). Credit points may be transferred to the "Focal Areas in Sustainability Research" module (Learning Agreement).	
	MSD 2010 Die Studierenden mit den Studienvarianten Phil.-Hist. und WW haben die Grundlagen- und	



Aufbaubereiche Phil.-Nat. bis und mit FS 18 weitestgehend abgeschlossen, mindestens jedoch 12 KP für beide Module erworben (Belegungen vom FS 18 werden berücksichtigt).

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 05.03.18/19.00h - 18.03.18/midnight:
https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam

(Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on)

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 21.03.18.

Bemerkungen

MSD 2017

For students with Focus area in Natural Sciences the field trip is optional for the "Core Competences in Natural Sciences" module. It is also possible to 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).

Preliminary meeting (Vorbereitung): 05.03.2017/at 18.15 (aprox. 1 hour).
Preparation meeting: tba

The field trip takes place during calenderweek 25 (details tba, arriving day prob. Friday 15.06.18, departure day prob. Saturday, 23.06.18).

Debriefing: tba.

This field trip is offered by MSD. Prof. Dr. Patricia Holm is head of the research group Man-Society -Environment (MSE), and TQNE, furthermore she is chairing the teaching committee of MSD. Thomas Mani, MSc in Sustainable Development, is realizing his PhD in the research group of MSE.

50264-01	Lecture with practical courses: Global Change Ecology	3 KP
Dozierende	Philipp Hirsch	
Zeit	We 12:15-14:00 Vesalianum Teaching starts on 07.03.2018!	
Beginndatum	07.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development)	
Lernziele	The students - know how to pose research questions relevant to ecological aspects of global change; - 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 global change; - know the challenges of finding solutions to the negative effects of global change; - can create and defend own research questions and methodology to contribute to the solution of a self-chosen problem case study of global change ecology.	
Inhalt	Lecture: We will treat the ecological relationships of global change following a hierarchical flow: going from more abiotic effects of global change, to basic food web effects, to eventually including humans as recipients and agents of global change. A focus will lie on aquatic ecosystems because they are disproportionately affected by global change and their ecosystem services are especially threatened and especially important to humans. Model organisms and ecosystems will include – but will not be limited to – fish as sentinel	



organisms for global change and freshwater lakes and rivers as essential ecosystems for humans.

The lecture will include specific case studies covering the many facets of global change ecology. Based on the case studies, we will discover the challenges of investigating the ecological effects of global change on several levels.

The role of humans and how it interacts with ecology will also be discussed.

Practical part:

In parallel to the lecture the students will write an essay on a topic of their choice following the structure of a scientific paper.

Ecology: From Individuals to Ecosystems, 4th Edition Michael Begon, Colin R. Townsend, John L. Harper ISBN: 978-1-4051-1117-1
and sources from own literature research.

Literatur

Leistungsüberprüfung

proof of course participation

Skala

1-6 0,1

Wiederholungsprüfung

one repetition, best attempt counts

An-/Abmeldung

Reg./dereg.: course registr./cancel registr. via MOnA

Hinweise zur Leistungsüberprüfung

Written examination at the end of the semester (50% of the grade) and as for the practical part a written essay following the structure of a scientific paper (50% of the grade).

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

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

Entry requirements for 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 and may transfer the credit points to the "Focal Areas In Sustainability Research" module (Learning Agreement).

Mandatory lecture for MSD students with Focus area in Natural Sciences.

MSD 2010:

Für Studierende mit Studienvariante Phil.-Nat. für den Vertiefungsbereich anrechenbar (Learning Contract).

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 18.01.18/noon - 07.02.18/midnight:
Link for application tba in due time.

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

Mandatory lecture for MSD students with focus area in Natural Sciences.

This lecture is offered by MSD. Dr. Ph. Hirsch is a post doc staff member of the research group Men-Society-Environment, Dep. Environmental Sciences, Faculty of Natural Sciences.

15999-01	Lecture with practical courses: Globalization of Water Resources	3 KP
Dozierende	Hong Yang	
Zeit	Mo 09:15-18:00 Vesalianum, Seminarraum (O2.02) Tu 09:15-18:00 Vesalianum, Seminarraum (O2.02) We 09:15-18:00 Vesalianum, Seminarraum (O2.02) Th 09:15-18:00 Vesalianum, Seminarraum (O2.02) Fr 09:15-18:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	25.06.2018	
Intervall	Block	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Modul Wahlbereich Wasser (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development)	



Lernziele	<p>The aims of the course are:</p> <ul style="list-style-type: none">- To introduce different perspectives in assessing the global water resources and water challenges facing the world today and in the coming years;- to introduce the concept of virtual water and its role in redistributing global water resources through the trade of food and other commodities;- to understand the repercussions of the globalisation of water resources to the sustainability of economic development and the environment in both the developing and developed countries.
Inhalt	<ul style="list-style-type: none">- Global status of water resources from the physical, economic and environmental viewpoints: facts and flaws;- the concept of virtual water and the role of virtual water trade in redistributing global water resources;- the motivation of virtual water trade and the notion of comparative advantage;- methodological issues concerning the study of the globalisation of water resources;- interdisciplinary approaches, combining natural and social sciences, modelling and GIS techniques, in assessing the global virtual water flows and the trade-offs involved in the trade;- the role of the EU in global virtual water trade;- a brief introduction of other forms of global water trade, e.g., bottled water trade;- implications of globalisation of water resources for regional and national food, water and environmental policies.
Literatur	<p>Allan, J.A., 1997. "Virtual water: A long term solution for water short Middle Eastern Economies?". Occasional Paper, SOAS Water Issues Group, King's College, UK.</p> <p>Yang, H., Reichert, P., Abbaspour, K., Zehnder, A.J.B., 2003. "A water resources threshold and its implications for food security". <i>Environmental Science and Technology</i> 37(14): 3048-3054.</p> <p>Yang, H., Wang, L., Abbaspour, K., Zehnder, A.J.B., 2006. "Virtual water highway: assessment of water use efficiency in global virtual water trade". <i>Hydrological and Earth Systems Science</i>.</p>
Leistungsüberprüfung	proof of course participation
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation, written assessment at the end of the bloc course. Details tba at the beginning of the lecture.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	<p>Special course application required for ALL (for details see 'course application'). Limited number of participants (25), Students of the MSD have priority. If you study something different you must do at least a master's degree within the 'Faculty of Sciences' and may attend the seminar in case of vacancies. Course applications in a different way then explained ARE NOT taken into account.</p> <p>MSD2017 Students who have chosen the Focus area in Social Sciences or in Economics must have completed the 'Complementary Knowledge in Natural Sciences' module (course applications of spring semester 18 are taken into account). Credit points are to be transferred to the "Focal Areas in Sustainability Research" module (Learning Agreement). For Students who have chosen the Focus area in Natural Sciences this lecture is optional for the "Core Competences in Natural Sciences" module. It is also possible to transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement).</p> <p>MSD 2010 Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Nat. zu absolvieren haben, müssen diese weitestgehend bis FS 18 abgeschlossen haben. Belegungen vom FS 18 werden berücksichtigt.</p>
Anmeldung zur Lehrveranstaltung	<p>Mandatory course application for ALL: Link open from 18.01.18/noon - 18.03.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam</p> <p>(Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on)</p> <p>In case of vacancies the online registration link remains open until: 21.03.18/midnight.</p>
Bemerkungen	<p>Registration on MOnA remains mandatory.</p> <p>Dayly classes from Mo 25.06.18 to Fr 29.06.18/from 9.15 to 18 h (breaks according announcement).</p>

This lecture is offered by MSD. The lecturer, Prof. Dr. H. Yang, is honorary professor at Unibas, she works at EAWAG.

23839-01	Lecture with practical courses: Pedosphere and Hydrosphere - Biogeochemistry and Modelling of Element and Sediment Cycling	3 KP
Dozierende	Christine Alewell Pasquale Borrelli Jen-How Huang	
Zeit	Fr 09:00-17:00 Geographie, Seminarraum EG 0-09 Vorbesprechung am 27.02.18 um 17 Uhr Hörsaal 103 im Bernoullianum.	
Beginndatum	27.02.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Geowissenschaften	
Module	Module Environmental Geosciences (Master Geosciences (Start of studies before 01.08.2016)) Module Geography (Master Geosciences (Start of studies before 01.08.2016)) Module Meteorology (Master Geosciences (Start of studies before 01.08.2016)) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Module: Environmental Geosciences and Biogeochemistry (Master Geosciences)	
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	http://umweltgeo.unibas.ch	
Leistungsüberprüfung	continuous assessment	
Skala	1-6 0,5	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA	
Hinweise zur Leistungsüberprüfung	Mündliches oder schriftliches Referat. Eine Wiederholungsprüfung ist möglich.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	Online, optional	
Unterrichtssprache	German	
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.	

Module: Core Competences in Social Sciences

11513-01	Lecture with practical courses: Sustainability: A new Societal Paradigm?	3 KP
Dozierende	Paul Burger	
Zeit	We 08:15-10:00 Bernoullistrasse 14/16, Seminarraum 02.004 Teaching starts on 07.03.2018!	
Beginndatum	28.02.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Social Sciences (Master's Studies: Sustainable Development) Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Konflikt/Kooperation (BSF - Social Sciences (Start of studies before 01.08.2013))	



Lernziele	<p>Modul Politik, Entwicklung und soziale Ungleichheit (BSF - Sociology (Start of studies before 01.08.2013))</p> <p>The students</p> <ul style="list-style-type: none"> - 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; - are familiar with basic theoretical features regarding 'governance of sustainable development'.
Inhalt	<p>Sustainable Development has become more and more influential since the famous Brundtland-report in 1987 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 the role model offered across the different disciplines. Against this backdrop, this lecture provides a social science oriented basis for</p> <ul style="list-style-type: none"> a) understanding sustainable development as a new societal role model for human development; b) conceptualizing sustainable development based on a justice; and c) understanding societal transformation processes towards a more sustainable future.
Literatur	Literature tba during lecture.
Leistungsüberprüfung	proof of course participation
Skala	1-6 0,1
Wiederholungsprüfung	one repetition, best attempt counts
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual timeslot.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Only master's students accepted.
Bemerkungen	<p>MSD 2017</p> <p>Mandatory lecture. A different choice is only allowed for students, who have</p> <ul style="list-style-type: none"> a) attended and accredited the same classes in their bachelor's degree; b) attended and accredited comparable classes in their bachelor's degree; c) a first degree in social science (major or minor). <p>If a), b) or c) applies, you have to register for a different course in consultation with Prof. Dr. P. Burger.</p> <p>MSD 2010</p> <p>Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 18.</p>

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.

23620-01	Seminar: Capabilities and Sustainability	3 KP
Dozierende	Marius Christen	
Zeit	Fr 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Teaching starts on 09.03.2018!	
Beginndatum	02.03.2018	
Intervall	weekly	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	<p>Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))</p> <p>Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development)</p> <p>Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)</p> <p>Modul Fachkompetenz Globaler Wandel (MSF - Geography)</p> <p>Modul Fields: Environment and Development (MSG - African Studies)</p> <p>Modul Culture and Society (MSG - African Studies (Start of studies before 01.08.2013))</p>	



Lernziele	Students - know the capability approach (Sen, Nussbaum); - are able to critically link it to core issues of sustainable development (justice, resources); - are able to identify an empirical or a conceptual research question linking capabilities and sustainability.
Inhalt	During the last 20 years or so two development concepts have been established on a global level. Whereas sustainability is strongly committed to taking into consideration environmental issues, the capability approach focuses on poverty issues and criteria for well-being. Strange enough however, there are not many interfaces between them. Although sustainability issues also comprise poverty (justice) issues, the capability approach has little impact in sustainability research and vice versa. From a social science oriented sustainability perspective this is a very unsatisfactory situation. It reflects (in my view) the underestimation of social issues within sustainability discourses. The capability approach might offer a new perspective regarding intra- and intergenerational justice. However, such a perspective is in need to become linked to global scarcity of environmental resources. How this could be conceptually and empirically done will be the core topic of this seminar. A list will be handed out at the beginning of the seminar.
Literatur	
Leistungsüberprüfung	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOaA
Hinweise zur Leistungsüberprüfung	Oral presentation, written essay.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, IJDS, African Studies, Geography and Master in Philosophy have priority. 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. Course applications in a different way than explained ARE NOT taken into account. Entry requirements for 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 and may transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 18.01.18/noon - 07.02.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOaA remains mandatory for all participants.. In case of vacancies the online application link remains open until the second week of teaching + 2 days.
Bemerkungen	Special course application required for ALL. For details see 'course application' (or 'Anmeldung') and 'entry requirements' (or Teilnahmevoraussetzung). MSD 2017 For Students with Focus area in Social Sciences the seminar is optional for the "Core Competences in Social Sciences" module. It is also possible to transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement). Anrechnung im MSD 2010 Dieses Seminar ist im Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung publiziert und kann nach Rücksprache mit Prof. Dr. P. Burger mittels Learning Contract für den Vertiefungsbereich Phil.-Hist. angerechnet werden. The seminar is offered by MSD. Dr. Marius Christen is a post doc staff member of the Sustainability Research Group at Unibas.



Dozierende	Paul Burger
Zeit	Tu 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Teaching starts on 06.03.2018!
Beginndatum	27.02.2018
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	The class will - learn on disciplinary approaches on changing individual energy behavior from economics, psychology, social sciences and educational 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 requires 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, 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. 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 and by engaging attention. Energy use in sociological approaches is largely invisible, energy systems are complex, and daily practices are significant. Here, the view is emphasized that people do not directly use energy, but carry out a range of activities or 'practices' that lead to the consumption of energy. And also educational sciences have a different understanding, where energy use is a skill that is learned through experience in specific situations. Having revealed strengths and weaknesses of these approaches we will move on and develop 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 strategies on multiple levels of intervention that are directed at changing individual energy behavior.
Literatur	tba
Leistungsüberprüfung	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOOnA
Hinweise zur Leistungsüberprüfung	Oral presentation and written essay.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, IJSD, MGES 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. Course applications in a different way then explained ARE NOT taken into account.
	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. Credit points are to be transferred to the "Focal Areas in Sustainability Research" module (Learning Agreement).
	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	<p>Mandatory course application for ALL: Link open from 18.01.18/noon - 07.02.18/midnight https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam</p> <p>(Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on)</p> <p>NOTE: Be aware of special entry requirements. Course inscription via MonA remains mandatory for all participants.</p> <p>In case of vacancies the online registration link remains open until the second week of teaching + 2 days.</p>
Bemerkungen	<p>Please note entry requirements and course application.</p> <p>MSD 2017 For students with Focus area in Social Sciences the seminar is optional for the "Core Competences in Social Sciences" module. It is also possible to transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement).</p> <p>MSD 2010 Allgemein empfehlen wir den Studierenden im MSD 2010, LV aus dem Wahlbereich erst zu belegen, wenn die KP aus den Grundlagen- und Aufbaubereichen weitestgehend erworben sind. In Rücksprache mit P. Burger kann dieses Seminar für den Vertiefungsbereich Phil.-Hist. angerechnet werden (Learning Contract).</p> <p>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.</p>

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Basil Bornemann	
Zeit	Tu 18:15-20:00 Bernoullistrasse 14/16, Seminarraum 02.004	
Beginndatum	06.03.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	<p>Modul Aufbaubereich gesellschaftswissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))</p> <p>Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))</p> <p>Module: Complementary Knowledge in Social Sciences (Master's Studies: Sustainable Development)</p> <p>Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development)</p> <p>Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)</p> <p>Modul Politik und Entwicklung (MSF - Sociology (Start of studies before 01.08.2013))</p> <p>Modul Fields: Governance and Politics (MSG - African Studies)</p> <p>Modul Culture and Society (MSG - African Studies (Start of studies before 01.08.2013))</p>	
Lernziele	<p>The participants</p> <ul style="list-style-type: none"> - are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them; - have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts. 	
Inhalt	<p>Against the backdrop of persistent problems of unsustainability, there is lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society.</p> <p>This 'new governance complexity' is assumed to entail potentials and threats for sustainable</p>	



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? And what are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts?

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. Secondly, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Thirdly, a number of case studies of sustainability governance in different fields such as energy, agriculture and transport (or others) 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

continuous assessment

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Reg./dereg.: course registr./cancel registr. via MOnA

Hinweise zur Leistungsüberprüfung

Regular attendance, required reading, oral presentation, essay.

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Special course application required for ALL (for details see "course application" or "Anmeldung"). Limited number of participants (25), Students of the MSD, of the IJDS and those of the mentioned fields of study (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. Course applications in a different way then explained ARE NOT taken into account.

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):

- 11513: Nachhaltigkeit: Ein neues gesellschaftliches Paradigma?
- 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit;
- 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft;
- 41829: Gesellschaftswissenschaftliche Perspektiven auf Nachhaltigkeit (fall semester 17: new titel in English: 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 open from 18.01.18/noon - 07.02.18/midnight:
https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam

(Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on)

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

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

Bemerkungen

Mandatory course application and entry requirements!

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. It is also possible to transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement).

MSD 2010

Anrechnung gemäss Modulpublikationen. Nach Rücksprache mit Prof. Dr. P. Burger kann das Seminar auch für den Vertiefungsbereich Phil.-Hist. angerechnet werden.

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

Module: Core Competences in Economics

43498-01	Colloquium: Psychological Theory in Consumer Behavior	6 KP
Dozierende	C. Miguel Brendl	
Zeit	We 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 4 Lektionen alle 2 Wochen (FS18)	
Beginndatum	28.02.2018	
Intervall	every two weeks	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Marketing and Strategic Management (Master Business and Economics)	
Lernziele	<ul style="list-style-type: none"> • Obtaining an overview of fundamental psychological concepts in preference 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	end-of-semester examination	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Registration via MOA during registration period	
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. 	
Wiederholtes Belegen	as often as necessary	



Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	A maximum of 15 students can enrol. The following admissions criteria will be applied: <ul style="list-style-type: none"> • Students for whom this course counts for their graduation (i.e. Master in Business and Economics) 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. • Total number of acquired credits (ECTS)

Anmeldung zur Lehrveranstaltung	As the course is restricted to 15 students, please fill in the application form on the following link (https://www.unibas.eu.qualtrics.com/SE/?SID=SV_2c0DEuwNcPwZEvr) by February 9th, 2018. As soon as you get admitted to the course (by February 16th), you should enroll in MOOnA. The admissions criteria can be found in section "Teilnahmevoraussetzungen".
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10625-01 + Lecture: Advanced International Trade and Business 6 KP

Dozierende	Rolf Weder
Zeit	Th 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 Fr 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
Beginndatum	01.03.2018
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul Europäisierung und Globalisierung (Master's Studies: European Global Studies) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Areas of Specialization in International and/or Monetary Economics (Master International and Monetary Economics) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Master's Studies: European Global Studies) Vertiefungsmodul Global Europe: Regional Integration and Global Flows (Master's Studies: European Global Studies)
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 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 the question in which way the insight can be useful for policy making and strategic management in companies. Some 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	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOnA during registration period
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. Problem sets will be solved by the students and discussed in class periodically. There will be a written final exam. It is possible that I may give students the opportunity to earn a grade for active participation in form of handing in short essays or comments during the term which will have an announced weight in the final grade. Detailed information will be given at the beginning of the course.
Wiederholtes Belegen	Date of Written exam: as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Prerequisites: I expect that students have accomplished a BA degree focusing on business and economics and that they have been confronted with a course or some material in International Trade or International Business on the BA level before. 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 Exchange-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	In 2018, we will discuss a large part of the book "200 Years of Ricardian Trade Theory. Challenges of Globalization" (edited by Ronald W. Jones and Rolf Weder) that came out in December 2017 (Springer International). This will serve as a foundation for the discussion of the most recent developments in theory and policy on international trade and business.

10616-01 + Lecture: Applied Data Analysis

3 KP

Dozierende	Dietmar Maringer
Zeit	Tu 12:15-16:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37 Due to inconvenient overlaps with other blockcourses in February, the lecture will now take place weekly from 27 Feb - 10 April 2018.
Beginndatum	27.02.2018
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Non-Life Insurance Module (Master's Studies: Actuarial Science) Specialization Module: Marketing and Strategic Management (Master Business and Economics) Specialization Module: Quantitative Methods (Master Business and Economics) Statistics and Computational Science Module (Master's Studies: Actuarial Science)
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.

Weblink

additional literature will be announced in the lectures

<https://adam.unibas.ch>

Leistungsüberprüfung

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOA during registration period

Hinweise zur Leistungsüberprüfung

Active participation and engagement during the lectures; written assignments (upon agreement); and written exam (date to be announced)

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

Online, optional

Unterrichtssprache

English

Teilnahmevoraussetzungen

completed BA in Business and Economics and following lecture: 12036 Econometrics

Anmeldung zur Lehrveranstaltung

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

40134-01 + Lecture: Environment and Technical Change in Endogenous Growth Theory 3 KP

Dozierende

Anton Bondarev

Zeit

We 14:30-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32

As the course does not always take place in the same room, please check for the respective roomreservations just below:

Beginndatum

28.02.2018

Intervall

weekly

Angebotsmuster

Every spring sem.

Anbietende Organisationseinheit

Faculty of Business and Economics

Module

Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))

Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))

Module: Core Competences in Economics (Master's Studies: Sustainable Development)

Module: Electives (Master Business and Economics)

Lernziele

Learning goals:

This course provides an overview of the interaction between technical change and environment on the macroeconomic level and their influence on the economic growth and social welfare.

The main goal is to discuss different methods of describing these interactions and to provide students an opportunity to orient themselves in the current literature on the subject. Taking this course would provide students an opportunity to start their own research in this field.

Inhalt

Content:

The course starts with neo-classical growth models with environmental and resource modules and continue through endogenous growth theory with environment of 1990-s up to recent research in this area. Every lecture is concentrated on one seminal paper which influenced the later developments with the idea to trace the chronological evolution of thought. The exposition concentrates on the role of technical change as the main driver of growth and partial remedy from the climate change.

Methodologically the course is based on dynamic optimization and optimal control techniques, which are widely used in recent growth theory research. Every model is qualitatively discussed, with stability properties of the equilibrium and comparison of socially



optimal and market outcomes.

This course is theory-oriented one, but some empirical tests of the theory are also discussed. The main distinguishing feature is a broad perspective of the field of environmental endogenous growth and as such the precise mathematical solutions of models being discussed are not required, rather the basic understanding of underlying mechanics and principles of the subject. Namely, what form the interaction between environment, economy and technology may take in different theories, what are key ingredients of such models, how the predictions differ across approaches.

Weblink	https://adam.unibas.ch
Leistungsüberprüfung	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOA during registration period
Hinweise zur Leistungsüberprüfung	written exam: 30.5.18; 14:30-16:00; WWZ S14: A-Z.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Completed Bachelor in Business and Economics; Basic understanding of dynamical systems and optimization.
Anmeldung zur Lehrveranstaltung	Course Registration: Register in MOA; Eucor students and exchange students contact the Registrar's Office at the Kollegiengebäude within the registration period. Registration = Enrollment for exam.

40106-01	Lecture: Game Theory and Theory of the Firm	6 KP
Dozierende	Dragan Ilic Catherine Roux	
Zeit	Mo 14:15-16:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) Fr 14:15-16:00 Kollegienhaus, Hörsaal 102	
Beginndatum	26.02.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) Core Module: Business (Master Business and Economics) (Pflicht) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Methoden der Wirtschaftswissenschaften (Master's Studies: European Global Studies) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Selected Subjects of Economics and Jurisprudence Module (Master's Studies: Actuarial Science)	
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 (Fridays):

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 (Mondays):

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.

Weitere Literaturangaben erfolgen während der Veranstaltungen.

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOA during registration period

Hinweise zur Leistungsüberprüfung

written exam:

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MOA. EUCOR-Students and Exchange-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = 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.

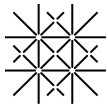


Dozierende	Tobias Erhardt
Zeit	Tu 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S13 HG.35
Beginndatum	27.02.2018
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Electives (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	1) Understand the theoretical concepts and the derivation of the key hypotheses in the research field 2) Understand empirical approaches that test these hypotheses 3) Practice empirical work
Inhalt	The underlying question that this course investigates is whether international trade is good or bad for the environment, as measured in terms of pollution levels. The course deals with international trade and environmental regulations, and discusses how these two issues influence global emissions, from both a theoretical and an empirical perspective. It introduces students to the research which investigates the effects of trade liberalization on the environment, the effects of environmental regulation on relocation and carbon leakage, and the effects of trade on pollution from consumption. Additionally, students will learn how to replicate existing studies in the field and practice this by writing a short empirical paper. The course starts by discussing the effects of trade liberalization on industrial pollution. An introduction to the topic covers the seminal contribution of Grossman and Krueger (1991) and their environmental Kuznets curve. The model in Antweiler et al. (2001) is used as the course's theoretical basis. Their model allows the various effects of trade on the environment (scale, technique and composition effect) to be separated. Further, it provides a clear distinction between the pollution haven effect and the pollution haven hypothesis. Antweiler et al.'s (2001) empirical identification of the effects is discussed. The lecture also covers newer contributions to the empirical literature that try to decompose these three effects (e.g., Levinson 2009), as well as research which takes account of firm-level heterogeneity (e.g., Cherniwchan et al. 2016). Further, the course critically evaluates the evidence on the pollution haven effect, which suggests that industries and firms relocate as a result of environmental regulation. This section of the course also investigates subnational (e.g., Levinson 1999) and international (Kellenberg and Levinson 2014) waste trade flows. The last section of the course is dedicated to pollution caused by consumption (Davis and Kahn 2010).
Literatur	Antweiler, W., Copeland, B. R., & Taylor, M. S. (2001). Is Free Trade Good for the Environment?. <i>American Economic Review</i> , 91(4), 877-908. Cherniwchan, J., Copeland, B. R., & Taylor, M. S. (2016). Trade and the Environment: New Methods, Measurements, and Results. NBER Working Paper No. w22636. Copeland, B. R., & Taylor, M. S. (2013). Trade and the environment: Theory and evidence. Princeton University Press. Davis, L. W., & Kahn, M. E. (2010). International trade in used vehicles: the environmental consequences of NAFTA. <i>American Economic Journal: Economic Policy</i> , 2(4), 58-82. Ederington, J., Levinson, A., & Minier, J. (2005). Footloose and pollution-free. <i>Review of Economics and Statistics</i> , 87(1), 92-99. Frankel, J. A., & Rose, A. K. (2005). Is trade good or bad for the environment? Sorting out the causality. <i>Review of Economics and Statistics</i> , 87(1), 85-91. Grossman, G. M., & Krueger, A. B. (1991). Environmental Impacts of a North American Free Trade Agreement. NBER Working Paper No. w3914. Kellenberg, D. (2012). Trading wastes. <i>Journal of Environmental Economics and Management</i> , 64(1), 68-87. Kellenberg, D., & Levinson, A. (2014). Waste of Effort? International Environmental Agreements. <i>Journal of the Association of Environmental and Resource Economists</i> , 1(1/2), 135-169. Kellenberg, D. (2015). The Economics of the International Trade of Waste. <i>Annual Review of Resource Economics</i> , 7(1), 109-125. Levinson, A. (1999). State taxes and interstate hazardous waste shipments. <i>American Economic Review</i> , 89(3), 666-677. Levinson, A. (2009). Technology, International Trade, and Pollution from US Manufacturing. <i>American Economic Review</i> , 99(5), 2177-2192. Levinson, A., & Taylor, M. S. (2008). Unmasking the pollution haven effect. <i>International economic review</i> , 49(1), 223-254.



Leistungsüberprüfung	The full list of papers will be published in the outline of the course. end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOnA during registration period
Hinweise zur Leistungsüberprüfung	Students have to write a short empirical paper. More detailed information on the empirical paper will be provided at the beginning of the course. The final grade will be calculated using the grade of the essay and the grade of the final exam (50% each). Written exam: 29.05.2018.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Abgeschlossener Bachelor, Interest in empirical research and basic knowledge in econometrics.
Anmeldung zur Lehrveranstaltung	Belegen in MOnA; Eurcor-Studierende und Austausch-Studierende melden sich bitte innerhalb der Belegfrist über das Studentensekretariat im Kollegienhaus an. Belegen = Anmeldung zur Prüfung.

17691-01	Lecture: International Trade, Resources and the Environment	3 KP
Dozierende	M. Scott Taylor	
Zeit	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 As the course does not always take place in the same room, please check for the respective roomreservations just below:	
Beginndatum	23.04.2018	
Intervall	Block	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Specialization Module: Areas of Specialization in International and/or Monetary Economics (Master International and Monetary Economics) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Fields: Environment and Development (MSG - African Studies) Modul Fields: Governance and Politics (MSG - African Studies) Modul Culture and Society (MSG - African Studies (Start of studies before 01.08.2013))	
Lernziele	see content	
Inhalt	Content: 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	Literature: Some of the lecture material will be drawn from "Trade and the Environment: Theory and Evidence" Princeton University Press 2003 (by Brian Copeland and M. Scott Taylor). Most of it, however, is based on a selection of articles published in international journals.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	end-of-semester examination	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg.: course registr.; dereg.: Office of the Dean of Studies	
Hinweise zur Leistungsüberprüfung	Notes for the Assessment: 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:
as often as necessary
No specific media used

Wiederholtes Belegen
Präsenz/E-Learning
Unterrichtssprache
Teilnahmevoraussetzungen

English
Required:
A good understanding of the principles of economics and of microeconomics.

Anmeldung zur Lehrveranstaltung

Recommended
International Trade Theory, Environmental and Resource Economics, Econometrics
Registration:
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 27 April, 2018.

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", made possible by a number of institutions of the region of Basel: <https://wwz.unibas.ch/aussenwirtschaft-und-europaeische-integration/gastprofessuren-globalisierung-und-internationalisierung-der-wirtschaft/abteilung/aei/>

40105-01 Lecture: Macroeconomics and Finance

6 KP

Dozierende

Michael Huynh
Oliver Landmann
Heinz Zimmermann

Zeit

We 10:15-14:00 Bernoullianum 30, Grosser Hörsaal 148

Beginndatum

28.02.2018

Intervall

weekly

Angebotsmuster

Every spring sem.

Anbietende Organisationseinheit

Faculty of Business and Economics

Module

Basic Module: Advanced Topics in Economics (Master International and Monetary Economics)
Core Module: Economics (Master Business and Economics) (Pflicht)
Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Master's Studies: Sustainable Development (Start of studies before 01.08.2017))
Modul Methoden der Wirtschaftswissenschaften (Master's Studies: European Global Studies)
Module: Core Competences in Economics (Master's Studies: Sustainable Development)
Selected Subjects of Economics and Jurisprudence Module (Master's Studies: Actuarial Science)
Theory of Finance Module (Master's Studies: Actuarial Science)

Lernziele

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

Inhalt

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

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
 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

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOA during registration period

Hinweise zur Leistungsüberprüfung

written exam:

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

Anmeldung zur Lehrveranstaltung

Registration: Please enrol in MOA. EUCOR-Students and Exchange-Students have to enrol at the students administration office (studsek@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 + Lecture: Microeconometrics I

3 KP

Dozierende

Christian Kleiber

Zeit

Tu 16:15-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32
 As the course does not always take place in the same room, please check for the respective roomreservations just below:

Beginndatum

27.02.2018

Intervall

weekly

Angebotsmuster

Every spring sem.

Anbietende Organisationseinheit

Faculty of Business and Economics

Module

Module: Core Competences in Economics (Master's Studies: Sustainable Development)
 Non-Life Insurance Module (Master's Studies: Actuarial Science)
 Specialization Module: Areas of Specialization in International and/or Monetary Economics (Master International and Monetary Economics)
 Specialization Module: Marketing and Strategic Management (Master Business and Economics)
 Specialization Module: Quantitative Methods (Master Business and Economics)
 Statistics and Computational Science Module (Master's Studies: Actuarial Science)

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

Literatur

Literature:

Winkelmann R, Boes S: Analysis of Microdata, 2nd ed, Springer 2009.
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!]

Weblink

<https://www.unibas.ch/quantitative-methoden/lehre/abteilung/qm/>

Leistungsüberprüfung

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOnA during registration period

Hinweise zur Leistungsüberprüfung

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.

written exam: TBA.

The addresses of the examination halls can be found here: <http://www.unibas.ch/studium/pruefungen/raeume/>

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

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

Course Registration: Register in MOnA; Eucor students and exchange students contact the Registrar's Office at the Kollegiengebäude within the registration period. Registration = Enrollment for exam.

Module: Preparation Master's Thesis in Social Sciences

50308-01	Colloquium: Sustainability Science Research (social dimension)	1 KP
Dozierende	Paul Burger	
Zeit	Th 16:15-18:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Bernoullistr. 14/16: Kleiner Seminarraum 02.001	
Beginndatum	01.03.2018	
Intervall	weekly	
Angebotsmuster	Once only	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: Sustainable Development)	
Lernziele	Die Teilnehmenden haben ihre Kenntnisse zu inhaltlichen und methodischen Aspekten von gesellschaftswissenschaftlich orientierter Nachhaltigkeitsforschung vertieft.	
Inhalt	Auf der Basis von Präsentationen zu laufenden Forschungsprojekten (Masterarbeiten, Promotionen etc.) werden inhaltliche und methodische Fragen aktueller disziplinärer und interdisziplinärer Nachhaltigkeitsforschung analysiert und diskutiert. Das detaillierte Programm wird an der ersten Sitzung festgelegt.	



Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOOnA
Wiederholtes Belegen	no repetition
Präsenz/E-Learning	No specific media used
Unterrichtssprache	German
Teilnahmevoraussetzungen	Nur für Studierende und Doktorierende, die an einer gesellschaftswissenschaftlich ausgerichteten Master- oder Doktorarbeit oder an einem anderen Forschungsprojekt im Themenfeld von Nachhaltiger Entwicklung arbeiten resp. ein solches vorbereiten.
Bemerkungen	<p>Anrechnung MSD 2010: Pflichtlehrveranstaltung für alle, die im FNF die Masterschreibt schreiben, für die anderen ist es freiwillig. Die LV ist nur einmal für den MSD-Abschluss anrechenbar. Diese LV wird für das publizierte Modul angerechnet oder kann nach Rücksprache mittels LC für den Vertiefungsbereich der Phil.-Hist. angerechnet werden.</p> <p>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).</p> <p>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.</p> <p>Nur Doktorierende können das Kolloquium jedes Semester neu belegen.</p>

49078-01	Course: Research Design Master's Thesis	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit	Mo 08:15-10:00 Vesalianum, Seminarraum (O2.02) Th 10:15-12:00 Vesalianum, Seminarraum (O2.02) as announced 1. meeting: 05.03.18: 08.15-10.00h; Seminarraum 02.02, Vesalianum 2. meeting: 15.03.18: 10.15-12.00h; Seminarraum 02.02, Vesalianum	
Beginndatum	05.03.2018	
Intervall	weekly	
Angebotsmuster	Every semester	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: Sustainable Development)	
Lernziele	<p>The students</p> <ul style="list-style-type: none"> - 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	<p>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.</p> <p>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</p>	



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
Hinweise zur Leistungsüberprüfung
Wiederholtes Belegen
Präsenz/E-Learning
Unterrichtssprache
Teilnahmevoraussetzungen

continuous assessment
1-6 0,1
no repeat examination
Reg./dereg.: course registr./cancel registr. via MOaA
Outline of the planned master's thesis' research design.
as often as necessary
No specific media used
English
Exclusively for MSD students.

Mandatory course for all MSD students for the "Preparation Master's Thesis" modules. Students with Focus area in Natural Science have to list this course in the Learning Agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. For MSD students who are planning to start the Master's Thesis by the end of the teaching period of spring semester 2018.

Anmeldung zur Lehrveranstaltung

Mandatory course inscription for ALL, link will be published in case of potential candidates. In the meantime, please register on MOaA as soon as possible.

NOTE: Be aware of special entry requirements. Course registration via MOaA remains mandatory for all participants.

Bemerkungen

Teaching structure
1) General part consisting of 2 lessons à 2 hrs (schedule tba);
2) individual coaching (meetings student-teacher are organized individually)
3) final feed-back session (schedule tba).

1. meeting: 05.03.18: 08.15-10.00h; Seminarraum 02.02, Vesalianum
2. meeting: 15.03.18: 10.15-12.00h; Seminarraum 02.02, Vesalianum
Meeting for final session tba.

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

50267-01	Seminar: Current Topics in Social Science Based on Sustainability Research		3 KP
	Dozierende	Basil Bornemann Annika Sohre	
	Zeit	Tu 14:15-16:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Teaching starts on 06.03.2018!	
	Beginndatum	27.02.2018	
	Intervall	weekly	
	Angebotsmuster	Irregular	
	Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
	Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: Sustainable Development)	
	Lernziele	By the end of the seminar 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 and communicate	



Inhalt	<p>debates about current sustainability issues to the scientific community and the broader public.</p> <p>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.</p> <p>Furthermore, there is a growing demand for social scientists to improve science communication, that is, condensing scientific results to comprehensible information to a broader target audience and through different communication channels.</p> <p>Therefore, the students will systematically identify and engage with a current topic of social science-based sustainability research:</p> <ul style="list-style-type: none">- They search and select current topics, and elaborate these topics by summarizing, for example, the state of the art, relevant backgrounds and dominant societal and political positions related to the topics.- They discuss empirical, theoretical, methodological and practical issues concerning current topics.- The developed topics will be presented and discussed orally and in written form.
Literatur	Tba during the seminar.
Leistungsüberprüfung	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, oral presentation, essay.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	<p>Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD and IJDS have priority. 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. Course applications in a different way then explained ARE NOT taken into account.</p> <p>Entry requirements for 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 and may transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement).</p>
Anmeldung zur Lehrveranstaltung	<p>Mandatory application for ALL! Link open from 18.01.18/noon - 07.02.18/midnight:</p> <p>https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam</p> <p>(Login on top row right hand side of ADAM website; list of forms available from 18.01.18/noon on)</p> <p>NOTE: Be aware of special entry requirements. Course inscription via MOa remains mandatory for all participants..</p> <p>In case of vacancies the online application link remains open until the second week of teaching + 2 days.</p>
Bemerkungen	<p>MSD 2017 For students with Focus area in Social Sciences (MSD 2017) the seminar is mandatory for the published module.</p> <p>MSD 2010 Für Studierende mit Studienvariante Phil.-Hist. (MSD 2010) ist dieses Seminar frei wählbar und kann nach Rücksprache mit Prof. P. Burger auch für den Vertiefungsbereich angerechnet werden.</p> <p>This seminar is offered by MSD. Dr. A. Sohre and Dr. B. Bornemann are post doc staff members of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.</p>



Module: Preparation Master's Thesis in Economics

49078-01 Course: Research Design Master's Thesis

3 KP

Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak
Zeit	Mo 08:15-10:00 Vesalianum, Seminarraum (O2.02) Th 10:15-12:00 Vesalianum, Seminarraum (O2.02) as announced 1. meeting: 05.03.18: 08.15-10.00h; Seminarraum 02.02, Vesalianum 2. meeting: 15.03.18: 10.15-12.00h; Seminarraum 02.02, Vesalianum
Beginndatum	05.03.2018
Intervall	weekly
Angebotsmuster	Every semester
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: 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	continuous assessment
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOa
Hinweise zur Leistungsüberprüfung	Outline of the planned master's thesis' research design.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Exclusively for MSD students. Mandatory course for all MSD students for the "Preparation Master's Thesis" modules. Students with Focus area in Natural Science have to list this course in the Learning Agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. For MSD students who are planning to start the Master's Thesis by the end of the teaching



period of spring semester 2018.

Anmeldung zur Lehrveranstaltung

Mandatory course inscription for ALL, link will be published in case of potential candidates. In the meantime, please register on MOnA as soon as possible.

NOTE: Be aware of special entry requirements. Course registration via MOnA remains mandatory for all participants.

Bemerkungen

Teaching structure

- 1) General part consisting of 2 lessons à 2 hrs (schedule tba);
- 2) individual coaching (meetings student-teacher are organized individually)
- 3) final feed-back session (schedule tba).

1. meeting: 05.03.18: 08.15-10.00h; Seminarraum 02.02, Vesalianum
 2. meeting: 15.03.18: 10.15-12.00h; Seminarraum 02.02, Vesalianum
- Meeting for final session tba.

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

40106-01	Lecture: Game Theory and Theory of the Firm	6 KP
Dozierende	Dragan Ilic	
Zeit	Catherine Roux Mo 14:15-16:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) Fr 14:15-16:00 Kollegienhaus, Hörsaal 102	
Beginndatum	26.02.2018	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) Core Module: Business (Master Business and Economics) (Pflicht) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Modul Methoden der Wirtschaftswissenschaften (Master's Studies: European Global Studies) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Selected Subjects of Economics and Jurisprudence Module (Master's Studies: Actuarial Science)	
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.</p>	



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 (Fridays):

The course is be 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 (Mondays):

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.

Weitere Literaturangaben erfolgen während der Veranstaltungen.

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOnA during registration period

Hinweise zur Leistungsüberprüfung

written exam:

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

Anmeldung zur Lehrveranstaltung

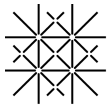
Registration: Please enrol in MOnA. EUCOR-Students and Exchange-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

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.



Zeit	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 As the course does not always take place in the same room, please check for the respective roomreservations just below:
Beginndatum	23.04.2018
Intervall	Block
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul Wahlbereich Energie und Klimawandel (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Specialization Module: Areas of Specialization in International and/or Monetary Economics (Master International and Monetary Economics) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Fields: Environment and Development (MSG - African Studies) Modul Fields: Governance and Politics (MSG - African Studies) Modul Culture and Society (MSG - African Studies (Start of studies before 01.08.2013))
Lernziele	see content
Inhalt	Content: 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	Literature: Some of the lecture material will be drawn from "Trade and the Environment: Theory and Evidence" Princeton University Press 2003 (by Brian Copeland and M. Scott Taylor). Most of it, however, is based on a selection of articles published in international journals.
Weblink	https://adam.unibas.ch
Leistungsüberprüfung	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg.: course registr.; dereg.: Office of the Dean of Studies
Hinweise zur Leistungsüberprüfung	Notes for the Assessment: 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: as often as necessary
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Required: A good understanding of the principles of economics and of microeconomics. Recommended International Trade Theory, Environmental and Resource Economics, Econometrics
Anmeldung zur Lehrveranstaltung	Registration: 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 27 April, 2018.
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", made possible by a number of institutions of the region of Basel: <https://www.unibas.ch/aussenwirtschaft-und-europaeische-integration/gastprofessuren-globalisierung-und-internationalisierung-der-wirtschaft/abteilung/aei/>