

University of Basel

Master's Studies: Sustainable Development

The aim of the MSD study program:

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

Academic degree:

Master of Science in Sustainable Development

Structure:

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

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

Head of the MSD:

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

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

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

Further information:

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

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

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

Studienfachberatung:

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

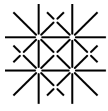
Office MSD at Vesalgasse 1/2nd floor, CH-4051 Basel.

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

Individual study counseling on request.

Module: Complementary Knowledge in Natural Sciences

50260-01	Lecture: Ecology and Evolution		1 KP
	Dozierende	Jan Beck	
	Zeit	We 16:15-18:00 Vesalianum, Seminarraum (O2.02) Starts on 27.02; further teaching on: 27.03; 10.04; 24.04; 8.05; 22.05 and 29.05. (exam).	
	Beginndatum	27.02.2019	
	Intervall	irregular	
	Angebotsmuster	Every spring sem.	
	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	You will understand the scientific basis of ecological and evolutionary theory, which is a precondition to understand many applied issues in conservation, ecosystem management, agricultural sciences and other topics of human-environment relationships.	
	Inhalt	The course will provide you with sound background knowledge in ecology and evolutionary biology. While I will primarily treat basic science topics and principles in these fields, the topics were also chosen for their relevance for applied sciences such as conservation, agro-sciences and ecosystem management. We will treat the basics of evolutionary theory (e.g., common descent, natural selection, reproductive isolation and speciation), the genetic basis of evolution (e.g., mutation and recombination, selfish genes), and examples of human impact on evolution. The ecology part introduces basic concepts such as population growth, interspecific interactions, and the patterns of primary productivity and their consequences	



Literatur	<p>(among others). We will also look in detail at the geographic ranges of species and resulting emergent phenomena, such as biodiversity. A global perspective on the human impact on biodiversity, and its feedback on human economy, will put this into applied perspective.</p> <p>Recommended textbooks:</p> <ul style="list-style-type: none"> - Biogeography, 4th ed., by Mark V. Lomolino, Brett R. Riddle, and Robert J. Whittaker; Oxford University Press. - Ecology: From Individuals to Ecosystems, 4th ed., by Michael Begon, Colin R. Townsend, John L. Harper; Wiley-Blackwell - Evolution, 3rd ed. by Mark Ridley; Wiley-Blackwell. <ul style="list-style-type: none"> - The selfish gene by Richard Dawkins, Oxford University Press. - Collapse: how societies choose to fail or survive by Jared Diamond; Penguin Books. <p>All books are available at Basel university library. Additional journal article links or PDFs will be made available during the course (via ADAM).</p>
Leistungsüberprüfung	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: 29.05.19/regular lecture time.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Participation only possible for MSD students (incl. preparation semester) and students who are studying a master's degree in the field of Natural Sciences.
Bemerkungen	<p>Teaching takes place on the following days from 4.15 to 6.00h pm: 27.02; 27.03; 10.04; 24.04; 8.05; 22.05 and 29.05 (exam).</p> <p>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).</p> <p>This lecture is offered by MSD. Dr. J. Beck holds a teaching assignment. For more information on J. Beck see: https://orcid.org/0000-0003-1170-4751</p>

36792-01	Lecture: Terrestrial ecosystem ecology and sustainable land use	2 KP
Dozierende	Ansgar Kahmen	
Zeit	Th 14:15-16:00 Botanik, Schönbeinstrasse, Hörsaal 00.003	
Beginndatum	21.02.2019	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Botanik und Ökologie	
Module	<p>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 Biology) Module: Complementary Knowledge in Natural Sciences (Master's Studies: Sustainable Development)</p>	
Lernziele	<p>You learn about:</p> <ul style="list-style-type: none"> - the concept of ecosystem goods and services and the multifunctionality of land use - key processes determining energy, carbon nitrogen and water cycling in ecosystems - the impacts of global environmental changes on biogeochemical cycles - the role of biodiversity for ecosystem functioning - strategies for the sustainable use of ecosystem goods and services 	
Inhalt	<p>Terrestrial ecosystems deliver ecosystem goods (food, timber, fuel) and services (carbon sequestration, nutrient cycling, water purification) that we as people depend on. The delivery of these ecosystem goods and services is tightly coupled to biogeochemical cycles that determine the fluxes of carbon, water or nutrients in ecosystems. In «Terrestrial ecosystem ecology and sustainable land use» we will present the key mechanisms that drive biogeochemical cycles in terrestrial ecosystems from leaf to globe. We will explain the impact</p>	



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

Literatur

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

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

continuous assessment

Skala

1-6 0,5

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

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

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

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 Vesalium, Seminarraum (O2.02)
Starts in the second week of teaching period of spring semester 19.

Beginndatum

25.02.2019

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

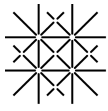
- Students
- know the technical/scientific background behind the various methods and plants for energy production;
 - know the technical/scientific background of future energy systems (production, distribution, storage, recovery);
 - are able to judge about advantages and limitations of future energy 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

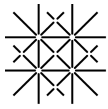


- Mobility, etc.

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 MOa
Hinweise zur Leistungsüberprüfung	Regular attendance. Required readings and active participation. Written examination: 27.05.2019: 10.15 until 11.45 a.m.
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 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	27.02.2019	
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) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model.	
Inhalt	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice; - 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 MOOnA
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual time slot.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Only master's students of social sciences and MSD (incl. preparation semester and IJDSD) accepted.
Bemerkungen	MSD 2017 Mandatory lecture for all students. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the bachelor's degree. If a), or b) applies, you have to register for a different course according agreement with Prof. Dr. P. Burger. MSD 2010 Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 19 This lecture is offered by MSD. Prof. Dr. Paul Burger is a member of the Teaching Committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

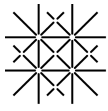
17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Basil Bornemann	
Zeit	Tu 08:15-10:00 Bernoullistrasse 14/16, Seminarraum 02.004	
Beginndatum	26.02.2019	
Intervall	weekly	
Angebotsmuster	Every spring sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
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: Fields: Governance and Politics (MSG - African Studies) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The participants - are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them; - have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts.	
Inhalt	Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society. This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? 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, JSDS and the listed programs (see modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies. Additional entry requirements for participants who do not study the MSD or IJSDS: They must have passed successfully one of the following lectures or a similar one (= credit points already acquired): - 11513: Sustainability: A new Societal Paradigm? - 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit; - 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft; - 41829: Perspectives of Social Sciences on Sustainability; - or something similar to prove evidence of knowledge regarding sustainable development and/or democracy.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link open from 16.01.19/noon - 06.02.19/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 16.01.2019/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. They may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement). MSD 2010 Anrechnung gemäss Modulpublikationen oder für den Vertiefungsbereich Phil.-Hist. (learning contract). The seminar is offered by MSD. Dr. Basil Bornemann is a post doc staff member of the Sustainability Research Group at Unibas and holds a teaching assignment.



10160-01 + Lecture: Environmental and Resource Economics

6 KP

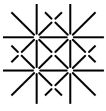
Dozierende	Frank Christian Krysiak Florian Kuhlmeiy
Zeit	Tu 12:15-14:00 Kollegienhaus, Hörsaal 102 Tu 16:15-18:00 Chemie, Organische, Grosser Hörsaal OC
Beginndatum	19.02.2019
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul 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)
Lernziele	After taking this course you will know how to analyse environmental policy using the tools of economics. You will know economic concepts for understanding the causes of environmental degradation and for setting the objectives of environmental policy. You will be able to apply microeconomic theory to analyze the mechanisms via which different policy instruments influence the environmental behavior of firms. At the example of exhaustible and renewable resources, you will have learned how to analyze cases where present actions have long-lasting environmental consequences.
Inhalt	Economic and ethical foundations of environmental policy, external effects, policy instruments and their effects, measurement of external effects, economics of exhaustible resources, economics of renewable resources, economics of climate change.
Literatur	R. Perman, Y. Ma, J. McGilvray, M. Common and D. Maddison (2011), "Natural Resource and Environmental Economics", 4th edition, Pearson Education.
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/
Leistungsüberprüfung	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	Students should either have passed 10130 (Einführung in die VWL) or 48981 (Intensive Introduction to Intermediate Economics). If you have done 10130, it is recommended (but not required) to also do intermediate microeconomics (10134) before starting environmental and resource economics.
Anmeldung zur Lehrveranstaltung	Students that already passed the old lecture "Umweltökonomie" will not receive credit for this lecture. Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

Module: Interdisciplinary Research in Sustainability

50399-01 Colloquium: Introduction to Ongoing MSD Master's Thesis

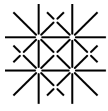
1 KP

Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak
Zeit	Dates: 18.03. & 03.06.19; meeting in between if necessary in April 2019; for details see "comments" Location: Vesalianum, seminar room 02.02.
Beginndatum	18.03.2019
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 other presentations; - get insights into other SD research topics; - learn to give constructive, specific feedback and to discuss the presented research topics; - learn to pose interesting questions on other student's presentations.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium 50339 on "ongoing master's thesis" is the first one to be attended (= colloquium A). The participants learn to understand the presented research designs, pose questions, and learn to give feedback (using a special feedback form).
Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOOnA
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 MSD 2017.
Bemerkungen	Meeting 1: 18.03.19: 02.15 pm until approx. 7 pm (depends on the number of presentations). Meeting 2: 03.06.19: 09.15 am until approx. 7 pm (depends on the number of presentations); breaks according to announcements. Meeting in between if necessary in April 2019 (details tba).

50768-01	Colloquium: Methods in Economics: Survey Data Collection and Analytics	3 KP
Dozierende	Aya Kachi	
Zeit	Thursdays 10.15 - 14.00 , Room S18, (PC-Lab) Faculty of Business and Economics (together with the course 43494 Survey Research Methodology)	
Beginndatum	18.02.2019	
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.	

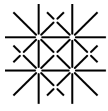


The largest difference from the full (6KP) version "Colloquium: Survey Research Methodology" is the following. In the full module, during the latter half of the colloquium, we, collectively as a class, will draft an original survey experiment together, and field it with a convenience sample (i.e. "real 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 MOnA 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	German
Teilnahmevoraussetzungen	Energy and Climate Policy—Citizens' Perspectives (VV-Nr: 43030) is not a strict requirement but highly recommended before taking this course. Alternatively, some experience (courses) and knowledge about public opinion or survey-based market research can be helpful. Basic knowledge of sampling and statistics would be useful. Basic knowledge of R is also useful.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

52317-01 Colloquium: Presentation of Concepts of MSD Master's Thesis 1 KP

Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak
Zeit	Dates: 18.03. & 03.06.19; meeting in between if necessary in April 2019; for details see "comments" Location: Vesalianum, seminar room 02.02.
Beginndatum	18.03.2019
Intervall	irregular
Angebotsmuster	Every semester
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)
Lernziele	Participants learn - to present research questions and a research concept to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and concepts from other disciplines; - to provide constructive feedback to their fellow students.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the second one (= colloquium B). The participants present the research questions and the research design used in their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the research design.
Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation of 10 minutes, followed by a discussion of 15 minutes.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English



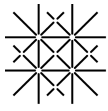
Teilnahmevoraussetzungen	Only for students of the MSD 2017. The application concerning the "master's thesis" has been approved by the teaching committee.
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle. Those who have not received the doodle link by email (sent by the coordination office MSD at latest at the beginning of February 2019) ask for the link sending an email to: coordintion-msd@unibas.ch. Registration on MOnA remains mandatory.
Bemerkungen	Schedule spring semester 2019: Meeting 1: 18.03.19: 02.15 until aprox. 7 pm (depends on the nr. of presentations). Meeting 2: 03.06.19: 09.15 am until aprox. 7 pm (depends on the number of presentations); breaks according to the announcements. Meeting in between if necessary in April 2019 (details tba). This course is offered by MSD. Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead). They are heading the MSD teaching committee.

53982-01	Colloquium: Presentation of Results of MSD Master's Thesis	1 KP
Dozierende	Frank Christian Krysiak	
Zeit	Dates: 18.03. & 03.06.19; meeting in between if necessary in April 2019; for details see "comments" Location: Vesalianum, seminar room 02.02.	
Beginndatum	18.03.2019	
Intervall	irregular	
Angebotsmuster	Every semester	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)	
Lernziele	The students learn - to present research questions and a research results to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and results from other disciplines; - to provide constructive feedback to their fellow students.	
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the third and last one (= Colloquium C). The participants present the results of their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the results of their theses.	
Leistungsüberprüfung	continuous assessment	
Skala	Pass / Fail	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA	
Hinweise zur Leistungsüberprüfung	Oral presentation and discussion (each 10 min.)	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Only for students of the MSD 2017 who have to present the results of their master's theses. The theses have to be completed at least up to 80% or may have been submitted already prior to the final presentation.	
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle. Those who have not received the doodle link by email (sent by the coordination office MSD at latest at the beginning of February 2019) ask for the link sending an email to: coordintion-msd@unibas.ch. Registration on MOnA remains mandatory.	
Bemerkungen	Schedule spring semester 2019: Meeting 1: 18.03.19: 02.15 until aprox. 7 pm (depends on the nr. of presentations). Meeting 2: 03.06.19: 09.15 am until aprox. 7 pm (depends on the number of presentations); breaks according to announcements. Meeting in between if necessary: April 2019 (afternoon; depends on the of presentations). This course is offered by MSD. Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead). They are heading the MSD teaching committee.	
50729-01	Project: Training for Sustainability Research	6 KP
Dozierende	Paul Burger	



	Marius Christen Patricia Holm Frank Christian Krysiak Th 08:15-10:00 Vesalianum 28.02.2019 irregular Every spring sem. Archäologie / Humangeographie / MSD Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development) 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. 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.
Zeit	
Beginndatum	
Intervall	
Angebotsmuster	
Anbietende Organisationseinheit	
Module	
Lernziele	
Inhalt	
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	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 students of MSD 2017. dates tba

50901-01	Seminar: Qualitative Data Analysis: Analyzing Text and Talk	3 KP
	Dozierende	Manfred Max Bergman
	Zeit	Mo 09:15-16:00 Vesalianum, Seminarraum (O2.02)
	Beginndatum	18.02.2019
	Intervall	Block
	Angebotsmuster	Irregular
	Anbietende Organisationseinheit	Fachbereich Soziologie
	Module	Modul Methoden der Gesellschaftswissenschaften (Master's Studies: European Global Studies) Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development) Modul Geographische Methoden- und Forschungskompetenz (MSF - Geography) Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Political Science) Modul Methoden der Soziologie: qualitativ (MSF - Sociology) Module: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)
	Lernziele	- Assess the suitability of specific research questions for different types of qualitative data analyses - Set up and perform qualitative data analyses on different types of non-numeric data - Understand the limits of qualitative data analysis - Present findings from qualitative data analysis orally and in written form
	Inhalt	This one-week intensive course covers introductory and advanced issues on how to analyze non-numeric data. While the primary focus is on the analysis of textual data, most of the covered methods and techniques are also applicable to audio and visual data. Examples of data suitable for qualitative analysis include interview transcripts, focus group recordings, print media, archival documents, government reports, corporate annual non-financial reports,

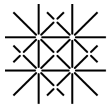


blogs, meeting notes, diaries, photo collections, and social media posts. The first part of the course addresses the selection and preparation of non-numeric data for systematic qualitative analysis. The second part covers different groups of data analysis techniques. The third deals with quality concerns 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	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg.: course registration; dereg.: not required
Hinweise zur Leistungsüberprüfung	Regular attendance; required reading; project presentation (on Friday, the final day of the bloc): oral presentation, ppt presentation, written abstract of presentation; pass/fail
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Limited number of participants (30).
Bemerkungen	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.

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) Starts in the second week of teaching period of spring semester 19.
Beginndatum	25.02.2019
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 - understand the difference between a scientific and a non-scientific approach to a question; - can formulate scientific hypotheses and can distinguish them from a question or idea; - and know about the difference between an observation and an experiment, induction and deduction, empiricism and rationalism, descriptive and experimental approaches. The students - understand the influence of observer, equipment, and experimental design on the outcome of an experiment; - know about sample sizes, research design, and error types; - understand the importance of positive / negative controls and standards. The students - know natural science methods that are important in the context of sustainability, such as molecular species identification, water quality parameters, behavioral assays, community assessments, assays for chemical contaminants, and others; - and know what kind of information these methods can provide and are aware of their limitations.
Inhalt	We will mix lectures, case studies, and self-organized work shadowing to gain knowledge about selected methods and approaches of the natural sciences. I. Adrian-Kalchhauser will provide input on the scientific method in general and on specific methods, occasionally with the help of guest speakers. In addition, students will collect methodological expertise during work shadowing and literature work. The seminar will focus on methods which are relevant for sustainable



development topics.

Literatur

Scientific Method: A Historical and Philosophical Introduction by Barry Gower. ISBN-13: 978-0415122825

Material handed out during the semester/seminar.

Leistungsüberprüfung

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, 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 to the MSD.

Bemerkungen

MSD 2017

Mandatory seminar for all MSD students.

This seminar is offered by MSD. PD 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

53979-01 Colloquium: MSD Life Science

1 KP

Dozierende

Patricia Holm

Joschka Wiegleb

Zeit

Tu 16:15-18:00 Vesalianum, Seminarraum (O2.02)

Meetings according announcement

Beginndatum

26.02.2019

Intervall

irregular

Angebotsmuster

Once only

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

Die TeilnehmerInnen

- üben und verbessern ihre Auftrittskompetenzen im Kontext einer Präsentation von wissenschaftlichen Daten;
- üben und verbessern ihre Fähigkeiten wissenschaftliche Artikel kritisch zu diskutieren;
- erwerben Wissen über aktuelle Themen, Ansätze und Methoden der wissenschaftlichen Nachhaltigkeitsforschung (aus Sicht der Naturwissenschaften).

Inhalt

- Aktuelle Themen, wissenschaftliche Ansätze und neue Methoden in Ökologie und Nachhaltiger Entwicklung;
- Präsentation und Diskussion eigener Forschungsprojekte (einschliesslich Masterarbeiten);
- Präsentation und Diskussion von wichtigen, bahnbrechenden Publikationen.

Literatur

Literaturangaben werden während den einzelnen Kolloquiumsterminen gemacht.

Leistungsüberprüfung

continuous assessment

Skala

Pass / Fail

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

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

Wiederholtes Belegen

no repetition

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Für MSD-Studierende mit Studienvariante Phil.-Nat. Weitere Angaben zur Belegung und Anrechnung im MSD 2010, im MSD 2017 sowie für Doktorierende (siehe unter Bemerkungen).

Anmeldung zur Lehrveranstaltung

Belegen. Bitte melden Sie sich zudem direkt bei Prof. Dr. P. Holm.

Bemerkungen

Anrechnung MSD 2010: Jene, die ihre Arbeit bei P. Holm schreiben, müssen das Kolloquium absolvieren.

Allen anderen steht es frei, das Koll. zu absolvieren.

Anrechnung MSD 2017

Pflichtveranstaltung für ALLE mit Studienvariante Phil.-Nat. (unabhängig davon, wie die



Betreuung und Beurteilung der Masterarbeit geregelt sind).

Weiter ist das Kolloquium für Doktorierende am MGU. Die Anrechnung der LV regeln sie in Rücksprache mit P. Holm.

Dies ist ein Angebot vom MSD. Prof. Dr. P. Holm ist Leiterin von MGU und vom TQNE sowie Mitglied der Unterrichtskommission MSD. J. Wigleb ist Doktorand bei MGU.

24172-01	Field trip: Marine Biological Considerations at the Strait of Gibraltar	3 KP
Dozierende	Karen Bussmann Patricia Holm	
Zeit	Tu 18:15-19:15 Vesalianum Preliminary meeting (Vorbesprechung): 27.02.2019/at 6.15 pm (aprox. 1 hour) Preparation meeting: ddmmy/ schedule tba field trip: 15.06.19 (arrival day) to 23.06.19 (departure day)	
Beginndatum	05.03.2019	
Intervall	irregular	
Angebotsmuster	Every spring sem.	
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 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 litoral; - know typical fields of conflict between man and nature; - and are able to critically discuss possible solutions.	
Inhalt	Whale watching, sampling and identification of plankton, studying litoral ecosystem, studying of fish species on the markets in Tarifa, theoretical background of selected topics at the intersection of marine biology of the Mediterranean, the North Atlantic and anthropogenic factors at the Strait of Gibraltar.	
Literatur	tba	
Leistungsüberprüfung	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 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 have priority (see list of modules; students of the bachelor's degree in Biology have been registered at least during 2 semesters in this field of study - incl. spring semester 19). If you study something different you must do a master's degree within the 'Faculty of Natural Science' and may participate in case of vacancies. Further entry requirements for MSD students: MSD 2017 Students who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (incl. courses of spring semester 19). MSD 2010 Die Studierenden mit den Studienvarianten Phil.-Hist. und WW haben die Grundlagen- und Aufbaubereiche Phil.-Nat. bis und mit FS 19 weitestgehend abgeschlossen, mindestens	

jedoch 12 KP für beide Module erworben (inkl. Belegungen vom FS 19).

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 27.02.19/7pm - 06.03.19/midnight:
https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam

(Login on top row right hand side of ADAM website; form available when open)

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

In case of vacancies the online application link remains open until Sunday, 17.03.19.

Bemerkungen

MSD 2017

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

All students may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement). Be aware of special participation requirements.

MSD 2010

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

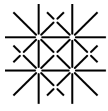
Preliminary meeting (Vorbesprechung): 27.02.2019/at 6.15 pm (aprox. 1 hour);

Preparation meeting: ddmmyy/ schedule tba;

field trip: 15.06.19 (arrival day) to 23.06.19 (departure day).

This field trip is offered by MSD. Prof. Dr. Patricia Holm is a member of the teaching committee MSD. Furthermore, she is head of the research group Man-Society-Environment (MSE) and TQNE. Karen Bussmann holds a Master's Degree in Biology (Major in Evolution and Ecology) and is realizing her 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, Seminarraum (O2.02) Starts in the second week of teaching period of spring semester 19.	
Beginndatum	27.02.2019	
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 - understand the ecological effects of global change in different ecosystems and can explain patterns and the underlying mechanisms; - can critically analyze existing research approaches and available data in the context of global change ecology; - can identify the interface between the approach of ecological sciences and other sciences to describe and understand global change; - understand the challenges of finding solutions to the negative effects of global change.	
Inhalt	We will treat the ecological relationships of global change following a hierarchical flow: going from basic food web effects to multiple trophic relationships, eventually including humans as recipients and agents of global change. Furthermore, we will frequently use aquatic ecosystems as case studies because they are disproportionately affected by global change and their ecosystem services are especially threatened and especially important to humans. Finally, we will consider global change beyond climate change and will treat land-use change, global transport and trade, change of human consumption patterns and pollution, global energy system change, species extinctions and invasions, and more. Specific topics include (but are not limited to!): 1) eco-evolutionary effects of land-use change and eutrophication, including a discussion of mitigation measures and socio-cultural effects;	



- 2) ecological effects of earlier spring across multiple species in terrestrial food webs;
- 3) ecological effects and ecosystem service changes due to global species extinctions;
- 4) ecological and socio-economic effects of the global renewable energy development, including a discussion of future solutions;
- 5) human consumption patterns and ecological effects of microplastics pollution, including a discussion of the feasibility of existing solutions;
- 6) ecological and socio-economic effects and transdisciplinary management approaches of biological invasions, including a discussion of currently available management options.

The lecture

- will be research-based. It will include specific case studies from the primary literature and will connect to current ongoing research;
- will also include application sections focusing on the discussion of existing solutions for mitigating the negative ecological effects of global change;
- will include specific local connections to the situation in Switzerland.

Practical course:

As a practical part each student will create a learning portfolio in parallel to the lecture. In this portfolio key questions raised in the lectures will be answered by students off class using own resources (e.g. literature research).

The portfolios will be collected and commented by peers and the lecturer. Based on this feedback the portfolios are developed as a complimentary resource to the lecture slides in preparation for the final written exam. The portfolios serve to practice the access to the course and exam content but will not be graded.

Literatur	Research articles as pdf-upload on ADAM will be supplied during the course.
Leistungsüberprüfung	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 readings, create a learning portfolio, regular attendance. Written exam at the end of the semester (open book) on 29.05.19/12.15 - 14.00h (seminar room 02.02; Vesalgasse 1).
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.

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 (or at least have earned 8 CP for this module).

Mandatory lecture for students with focus area in natural sciences.

Bemerkungen

MSD 2010

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

MSD 2017

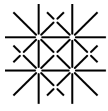
Mandatory lecture for MSD students with focus area in natural sciences.

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

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

23839-01 Lecture with practical courses: Pedosphere and Hydrosphere - Biogeochemistry and Modelling of Element and Sediment Cycling 3 KP

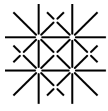
Dozierende	Christine Alewell Pasquale Borrelli Jen-How Huang
Zeit	Fr 09:00-17:00 Geographie, Seminarraum EG 0-09 Vorbesprechung am 25.02.19 um 16:30 Uhr Seminarraum EG 0-09 Geographie Klingelbergstrasse 27; Vorlesung Freitags, 08.03.19, 12.04.19, 17.05.19 jeweils 9:00-17:00 Uhr
Beginndatum	25.02.2019
Intervall	irregular



Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Geowissenschaften
Module	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 MOa
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.

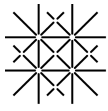
Module: Core Competences in Social Sciences

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 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	27.02.2019	
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) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model.	
Inhalt	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice; - understanding societal transformation processes towards a more sustainable future.	



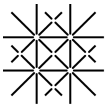
Literatur	Literature tba during lecture.
Leistungsüberprüfung	proof of course participation
Skala	1-6 0,1
Wiederholungsprüfung	one repetition, best attempt counts
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance and active participation. Final assessment: written examination, last week of teaching period during the usual time slot.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Only master's students of social sciences and MSD (incl. preparation semester and IJSD) accepted.
Bemerkungen	MSD 2017 Mandatory lecture for all students. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the bachelor's degree. If a), or b) applies, you have to register for a different course according agreement with Prof. Dr. P. Burger. MSD 2010 Pflichtveranstaltung für alle Studierenden, Ausnahmen gemäss Angaben im mittelfristigen Lehrplan MSD 2010/FS 19 This lecture is offered by MSD. Prof. Dr. Paul Burger is a member of the Teaching Committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

23620-01	Seminar: Capabilities and Sustainability	3 KP
Dozierende	Marius Christen	
Zeit	Fr 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	01.03.2019	
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: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Fachkompetenz Globaler Wandel (MSF - Geography) Modul: Fields: Environment and Development (MSG - African Studies)	
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.	
Literatur	A list will be handed out at the beginning of 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	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, IJSD and the listed programs (see modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies.
	MSD 2017 Students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP for this module).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 16.01.19/noon - 06.02.19/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 16.01.19/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 the second week of teaching + 2 days.
Bemerkungen	Special course application required for ALL. MSD 2017 For Students with focus area in social sciences the seminar is optional for the "Core Competences in Social Sciences" module. All students of MSD 2017 may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement). MSD 2010 Dieses Seminar ist im Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung publiziert und kann für den Vertiefungsbereich Phil.-Hist. angerechnet werden (Learning Contract). The seminar is offered by MSD. Dr. Marius Christen is a post doc staff member of the Sustainability Research Group at Unibas and holds a teaching assignment.

43667-01	Seminar: Changing Individual Energy Behaviour - Approaches and Strategies	3 KP
Dozierende	Paul Burger	
Zeit	Tu 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	26.02.2019	
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) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The class will - learn on disciplinary approaches on changing individual energy behavior from economics, psychology, social sciences 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.	



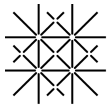
Inhalt	<p>Transforming today's energy systems in industrialized countries requires a substantial reduction of the total energy consumption at the individual level. Selected instruments have been found to be effective in changing people's behavior in single domains. However, the so far weak success story 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.</p> <p>We will introduce different disciplinary approaches in the field of changing individual energy behavior to clarify the diverging perceptions of the opportunities to change the behavior. Regarding economics energy is often seen as a commodity and consumers will adapt usage in response to price signals. In psychological conceptions energy use can be affected by stimulus-response mechanisms 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.</p>
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 and the listed programs (see modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies.
	MSD 2017 MSD students who have chosen the focus area in natural sciences or in economics must have completed the "Complementary knowledge in Social Sciences" module.
	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 16.01.19/noon - 06.02.19/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 16.01.19/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. Transfer of credit points to the "Focal Areas in Sustainability Research" module (learning agreement) possible for all students.</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</p>

sind.

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

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

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
Dozierende	Basil Bornemann	
Zeit	Tu 08:15-10:00 Bernoullistrasse 14/16, Seminarraum 02.004	
Beginndatum	26.02.2019	
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: Fields: Governance and Politics (MSG - African Studies) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The participants - are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them; - have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts.	
Inhalt	Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society. This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? 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, JSD and the listed programs (see modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies.

Additional entry requirements for participants who do not study the MSD or IJSD:
They must have passed successfully one of the following lectures or a similar one (= credit points already acquired):
- 11513: Sustainability: A new Societal Paradigm?
- 11508: Grundkurs I: Kultur- und sozialwissenschaftliche Grundlagen der Nachhaltigkeit;
- 12882: Grundkurs III: Grundlagenreflexion der Nachhaltigkeitswissenschaft;
- 41829: Perspectives of Social Sciences on Sustainability;
- or something similar to prove evidence of knowledge regarding sustainable development and/or democracy.

Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link open from 16.01.19/noon - 06.02.19/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 16.01.2019/noon on)
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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.

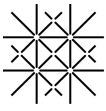
Bemerkungen	Mandatory course application and entry requirements!
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MSD 2017
Mandatory for students with focus area in natural sciences and in economics.
For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may transfer the credit points to the "Focal Areas in Sustainability Research" module (learning agreement).

MSD 2010
Anrechnung gemäss Modulpublikationen oder für den Vertiefungsbereich Phil.-Hist. (learning contract).

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

14254-01	Seminar: Integrative Methods	3 KP
Dozierende	Paul Burger	
Zeit	Tu 18:15-20:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	26.02.2019	
Intervall	weekly	
Angebotsmuster	Irregular	
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: Core Competences in Social Sciences (Master's Studies: Sustainable Development)	

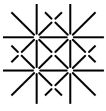


Lernziele	Students - are able to accomplish a qualitative scenario analysis (based on an IT-tool); - will develop options for pathways to realize a climate friendly Swiss energy system 2050.
Inhalt	Sustainability science is expected to study options for future societal development pathways. It strives, accordingly, not only to understand the complex interactions between ecological, economic and societal factors but also to study possible future outcomes and developments given today's options for action. The seminar will introduce the method of qualitative scenario building for studying options for future developments. The method allows for integrating different disciplinary knowledge basis. The seminar's study case will be „pathways to realize a climate friendly Swiss energy system until 2050“. The course is not only thought to introduce students to the method of qualitative scenario building but it also directed to support an ongoing process within SCCER-CREST to study possible pathways for the Swiss energy future. However, we will not primarily look at supply and demand of energy only, but strive to embed options for the future Swiss energy system in more encompassing societal trends such as digitalization, work place development, social structures etc.
Literatur	Tba during the semester.
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	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Limited number of participants (25), MSD-Students and those of the IJDSO have priority. Others are only accepted if they study a master degree within the "Phil.-Hist."-Faculty. Special course inscription required for ALL (for details see "Anmeldung"). Entry requirements: preliminary knowledge on the energy system.
Anmeldung zur Lehrveranstaltung	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. Mandatory application for ALL: Link open from 16.01.19/noon - 06.02.19/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 16.01.19/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOOnA remains mandatory. In case of vacancies the online application link remains open incl. the second week of teaching + 2 days.
Bemerkungen	Please note entry requirements and course application. MSD 2010 Studienvariante Phil.-Hist: Das Seminar ist für den Vertiefungsbereich anrechenbar (learning contract). MSD 2017 For students with focus area in social sciences the seminar is optional for the "Core Competences in Social Sciences" module. All students may transfer the credit points to the FASR module (learning agreement). 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.

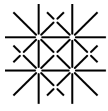
Module: Core Competences in Economics

43498-01 Colloquium: Psychological Theory in Consumer Behavior 6 KP

Dozierende	C. Miguel Brendl
Zeit	We 14:15-18:00 Kollegienhaus, Seminarraum 107
Beginndatum	20.02.2019



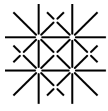
Intervall	every two weeks
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Marketing and Strategic Management (Master Business and Economics)
Lernziele	<ul style="list-style-type: none">• Obtaining an overview of fundamental psychological concepts in preference formation and choice.• Learning about the nature of theory construction and theory testing by means of experiments (heavily emphasized).
Inhalt	<p>The course is appropriate for master's students in business, economics, or psychology, as well as for PhD students. You need to have either taken "Microeconomics and Psychology of Decision Making" or, if you are not a student of business/economics in Basel, an introductory psychology course.</p> <p>Although the course takes numerous applications from the academic field of consumer behavior, it focuses on general psychological theory. Specifically, it teaches you how to conduct research with a psychological/experimental orientation. For that reason it is a precondition for writing a master's thesis in behavioral marketing. But beyond that it is of particular interest if you want to explore what academic research is like.</p> <p>-For those without a prior degree in psychology the course offers a crash course in social and cognitive psychology as it relates to preferences (attitudes, feelings, evaluative judgments, choice).</p> <p>-For those with a prior degree in psychology the course offers learning how to derive behavioral predictions from theories, as opposed to just describing theories. This skill goes beyond merely describing a theory and is important for anyone who wants to actually use a psychological theory.</p> <p>During the seminar we discuss your homework solutions to a set of exercises. From this discussion we draw inferences about theory itself and about designing experiments. The entire course is in English.</p>
Literatur	see syllabus
Weblink	https://adam.unibas.ch
Leistungsüberprüfung	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOOnA during registration period
Hinweise zur Leistungsüberprüfung	Format of the Class Sessions 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.
	Grading: The following components will contribute to your grade: 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 enroll. We will emphasize the following for admissions: <ul style="list-style-type: none">• Students for whom this course counts for their graduation will be favoured.• Grades in the Kernfächer 31960 "Microeconomics and Psychology of Decision Making" and 12036 "Econometrics" or in equivalent courses if you come from another discipline.



Anmeldung zur Lehrveranstaltung

As the course is restricted to 15 students, please fill in the application form on the following link (https://www.unibas.eu.qualtrics.com/SE/?SID=SV_2c0DEuwNcPwZEvr) by February 8th, 2019. As soon as you get admitted to the course (by February 16th), you should enrol in MOnA.

40106-01	Lecture: Game Theory and Theory of the Firm	6 KP
Dozierende	Dragan Ilic Catherine Roux	
Zeit	Mo 14:15-16:00 Kollegienhaus, Aula 033 We 08:15-10:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) Fr 14:15-16:00 Bernoullianum 30, Grosser Hörsaal 148 First half of the term: wednesday and friday timeslots Second half of the term: wednesday and monday timeslots The exact dates and rooms can be seen here below:	
Beginndatum	20.02.2019	
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. About half of the course will be based on the standard textbook by Milgrom and Roberts, the other half will consist of influential articles on the economics of organizations, by authors such as Coase, Williamson, Hart, and Tirole.</p>	
Inhalt	<p>Game Theory (first half of the semester, Wednesdays and 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:</p> <ul style="list-style-type: none"> • Introduction, normal form, best response, dominant strategies, iterated elimination, 	



Nash equilibrium

- Mixed strategies
- Proof of existence, multiple equilibria, refinements

Block 2: Dynamic Games of Complete Information:

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

Block 3: Static Games of Incomplete Information:

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

Block 4: Dynamic Games of Complete and Incomplete Information:

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

Theory of the Firm (second half of the semester (start: 15 April 2019), Mondays and Wednesdays):

Markets and Prices as Coordination and Incentive Devices

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

Literatur

Literature part Game Theory:

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

Literature part Theory of the Firm:

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

Weblink

<https://adam.unibas.ch>

Leistungsüberprüfung

end-of-semester examination

Skala

1-6 0,1

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOnA during registration period

Hinweise zur Leistungsüberprüfung

combined written exam

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Completed Bachelor in Business and Economics

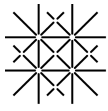
Anmeldung zur Lehrveranstaltung

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

Bemerkungen

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

17691-01	Lecture: International Trade, Resources and the Environment	3 KP
	Dozierende	M. Scott Taylor
	Zeit	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Auditorium Block course between 2.5.19 and 14.5.19 The exact dates and rooms can be seen here below:
	Beginndatum	02.05.2019
	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)



	<p>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)</p>
Lernziele	see content
Inhalt	<p>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.</p>
Literatur	<p>Literature: Some of the material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.</p>
Weblink	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	<p>Notes for the Assessment:</p> <p>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.</p> <p>The date of the exam as well as the deadline of the paper will be posted and mentioned in the first class. Exam date: tbd</p>
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	<p>Required: A good understanding of the principles of economics and of microeconomics.</p> <p>Recommended International Trade Theory, Environmental and Resource Economics, Econometrics</p>
Anmeldung zur Lehrveranstaltung	<p>Registration: Register in MOnA; Eucor students and exchange students contact the Registrar's Office at the Kollegengebäude within the registration period. Registration = Enrollment for exam. You may unsubscribe by email to the Studiendekanat (studiendekanat-wwz@unibas.ch) until 7 May, 2019.</p>
Bemerkungen	<p>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.</p> <p>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.</p>

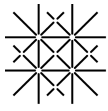
10616-01 + Lecture: Machine Learning

3 KP

Dozierende
Zeit

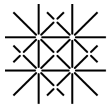
Dietmar Maringer

Th 14:15-18:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37
This course is 4 hours weekly, but ends on April 11, 2019.



Beginndatum	21.02.2019
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 MOnA during registration period
Hinweise zur Leistungsüberprüfung	Active participation and engagement during the lectures; written assignments (upon agreement); and written exam:
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 MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

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	20.02.2019	
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	



Lernziele	<p>Science) Theory of Finance Module (Master's Studies: Actuarial Science) 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</p>
Inhalt	<p>Course outline Part Finance The lecture provides an overview on some of the key topics of the theory of finance 1) Capital market under certainty: Consumption, investment, economic growth, and interest rates; Fisher separation and economic implications 2) Capital market under uncertainty: Consumption-based pricing, risk aversion, state (SDF) valuation, CAPM, arbitrage pricing with applications to options 3) Corporate financial decisions: Capital structure and cost of capital, Modigliani-Miller, contingent-claim analysis of corporate securities, over- and underinvestment, real options, pecking order theory, payout decisions</p>
Literatur	<p>Course outline Part Macroeconomics: I Capital Accumulation, Growth, and Income Distribution 1. Capital Accumulation and Economic Growth (Solow and extensions) 2. Economic Growth, the Real Interest Rate and Income Distribution: the Piketty Debate II Asset Prices and Macroeconomic Stabilization 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</p> <p>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</p> <p>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.</p>
Weblink	https://adam.unibas.ch/
Leistungsüberprüfung	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOOnA during registration period
Hinweise zur Leistungsüberprüfung	written exam: tba
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 MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	Finance part: For each of the three subjects of the lecture, a package of slides is available. They are used in the lectures.

16036-01 + Lecture: Microeconometrics: Nonlinear Models and Statistical Learning

3 KP

Dozierende

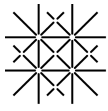
Christian Kleiber

Zeit

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

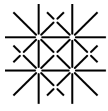


Beginndatum	19.02.2019
Intervall	weekly
Angebotsmuster	Every spring sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Non-Life Insurance Module (Master's Studies: Actuarial Science) Specialization 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	<p>Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. However, there are many practical situations where data are naturally discrete, e.g. binary or count data. The course will cover the classical nonlinear regression models for such data. It will use the framework of generalized linear models (GLMs), which provides a unified approach to models such as logit, probit and Poisson regression. Inference will be likelihood based.</p> <p>In addition, there will be an introduction to the recent literature on statistical learning (aka machine learning), specifically to the notion of regularisation, with LASSO as the main example. If time permits there will also be a chapter on finite mixture models.</p> <p>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.</p> <p>All course materials are on OLAT.</p> <p>NB.</p> <p>(1) In order to make room for further (regression) models, there will at most be a brief review of likelihood methods. Participants are expected to be familiar with these methods at the level of the compulsory MSc level Econometrics course.</p> <p>(2) The course was formerly offered under the title Microeconometrics I. Many topics from that course will still be covered, however, there will be new topics from statistical learning. In order to make room for these, multinomial response models will no longer be covered. They will be included in a restructured course offered by K. Schmidheiny that was formerly called Microeconometrics II.</p>
Literatur	<p>Literature:</p> <p>Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press. Fahrmeir, L, Kneib T, Lang S, Marx B (2013). Regression -- Models, Methods and Applications, Springer. [available in electronic form via the university library!] James G, Witten D, Hastie T, Tibshirani R (2013). An Introduction to Statistical Learning. New York: Springer. [available in electronic form via the university library!] Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer. https://www.unibas.ch/de/oekonometrieundstatistik/lehre/</p>
Weblink	
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.
	<p>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.</p>
Wiederholtes Belegen	written exam: tba
Präsenz/E-Learning	as often as necessary
Unterrichtssprache	No specific media used 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	Registration: Please enrol in MOhA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

53713-01	Seminar: Environmental and Energy Economics	6 KP
Dozierende	Frank Christian Krysiak	
Zeit	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
Beginndatum	18.02.2019	
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: Seminar Papers (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)	
Lernziele	You will acquire in-depth knowledge on the topic chosen for your seminar thesis. In addition, you will learn how to extract the main results from scientific studies, how to apply them to a particular question, how to compare and discuss different studies, and how to build your own argument on this basis. If you choose to do so, you can also learn how to (slightly) extend existing studies on your own.	
Inhalt	The course will cover current topics in environmental and energy economics, ranging from water pollution, climate change, promotion of renewables to new designs for electricity markets. Students will choose their individual topic from a supplied list and work individually on their seminar thesis. However, they will be required to connect their work to the general topical clusters of the seminar and to discuss the work of other students. During the first weeks, some training on presentation skills and on providing constructive feedback will be given.	
Literatur	Students will receive one literature reference for their topic as a starting point for their own literature search.	
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/	
Leistungsüberprüfung	seminar credit	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Registration/deregistration: faculty	
Hinweise zur Leistungsüberprüfung	Students are required to write a seminar thesis based on existing scientific literature on their topic that includes an original contribution. This contribution can be either (a) a (small) extension of existing studies or (b) the application of existing results to a particular research question that involves connecting different studies and building your own argument. In addition, students are required to present their study, to comment on the study of at least one other student, and to contribute to the discussions during the seminar. Consistent attendance is obligatory.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	For students in the MA Business and Economics: Completed Bachelor in Business and Economics. The further prerequisites are that at least one of the following courses has been taken: 14255 Advanced Environmental Economics (Krysiak) 29002 Elektrizitätsmärkte: Zwischen Regulierung und Wettbewerb (Weigt) 17691 International Trade, Resources and the Environment (Taylor)	



MSD-Students without a bachelor degree in economics/business and without focus area in economics are supposed to have completed the "Complementary Knowledge in Economics" module (MSD 2017) or „Grundlagen- und Aufbaubereiche Wirtschaftswissenschaften“ (MSD 2010, at least of the required credit points being completed). MSD-students with focus area in economics are required to have taken at least one of the courses mentioned above for students in the MA Business and Economics.

Students of MA Business and Economics or MSD will be allocated with the same priority that is higher than for students of other programs.

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

Anmeldung zur Lehrveranstaltung

The application for this seminar is done centrally and online from December 3, 2018 until January 7, 2019 with the Studiendekanat. The link to the online application form and more information can be found here: <https://www.unibas.ch/de/studium/master-business-and-economics/masterseminare/>

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

Module: Preparation Master's Thesis in Social Sciences

53980-01	Colloquium: Sustainability Science Research (social dimension)	1 KP
Dozierende	Paul Burger	
Zeit	Th 16:15-18:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Starts in the second week of teaching period of spring semester 2019.	
Beginndatum	28.02.2019	
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.	
Literatur	Die Teilnehmenden haben ihre Kenntnisse zu inhaltlichen und methodischen Aspekten von gesellschaftswissenschaftlich orientierter Nachhaltigkeitsforschung vertieft.	
Leistungsüberprüfung	continuous assessment	
Skala	Pass / Fail	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOA	
Hinweise zur Leistungsüberprüfung	gemäss Angaben von Dozent	
Wiederholtes Belegen	no repetition	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
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	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 für den Vertiefungsbereich der Phil.-Hist. (via learning contract) angerechnet werden.	

MSD 2017

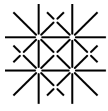
Mandatory for all students who have chosen the focus area in social sciences (credits are earned for the module "Preparation master's thesis in Social Sciences" (learning agreement).

This colloquium is offered by MSD. Prof. Dr. P. Burger is head of the Sustainability Research

Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences.

Nur Doktorierende können das Kolloquium jedes Semester neu belegen.

49078-01	Course: Research Design Master's Thesis	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit	Mo 16:15-18:30 Vesalianum, Seminarraum (O2.02) We 16:15-18:30 Vesalianum, Seminarraum (O2.02) Fr 16:15-19:00 Vesalianum, Seminarraum (O2.02) 3 group meetings: 20.2.19, 01.3.19 and 06.05.19; additional meetings according to agreements with responsible professors.	
Beginndatum	20.02.2019	
Intervall	irregular	
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	<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 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.</p> <p>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.</p>	
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 students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus.
Anmeldung zur Lehrveranstaltung	Please register on MOnA as soon as possible (no additional course application).
Bemerkungen	Group meetings for all participants: - meeting 1: 20.02.19: 4.15 - 6.30h p.m. - meeting 2: 01.03.19: 4.15 - 7.00h p.m. - meeting 3: 06.05.19: 4.15 - 6.30h p.m. Additional meetings according to agreements with responsible professors. This course is offered by MSD, Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead). They are heading the MSD teaching committee.

50267-01	Seminar: Current Topics in Social Science Based on Sustainability Research	3 KP
Dozierende	Annika Sohre	
Zeit	We 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Starts in the second week of teaching period of spring semester 19.	
Beginndatum	27.02.2019	
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 semester the participants will have acquired competencies and skills necessary to disclose current topics of social science based sustainability research. Specifically, they will know how to set up systematic search strategies to find and delimitate relevant and current topics; how to elaborate the state of discussion in a given field; and how to specify knowledge gaps. Furthermore, they will learn how to summarize debates about current sustainability issues.	
Inhalt	Sustainability research in the social sciences is a rapidly developing field that covers a broad range of debates within and across various disciplines and problem areas. This poses a huge challenge to keep track of "what is going on?", to filter interesting topics and cope with the complexity of different contributions. Furthermore, there is a growing demand for social scientists to improve science communication, that is, condensing scientific results to comprehensible information, e.g. in the state-of-the-art section of a master thesis. In a lab setting, the students will systematically identify and engage with a current topic of social science-based sustainability research based on the method of systematic literature reviews. The students: - search and select current topics, and they further elaborate these topics in literature reviews; - discuss empirical, theoretical, methodological and practical issues concerning current topics; - present and discuss the developed topics orally and in written form.	
Literatur	Tba during the seminar.	
Leistungsüberprüfung	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 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.	

MSD 2017

Students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP).

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 16.01.19/noon - 06.02.19/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 16.01.19/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 the second week of teaching + 2 days.

Bemerkungen

MSD 2017

For students with focus area in social sciences (MSD 2017) the seminar is mandatory for the published module.

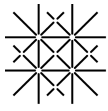
Transfer of credit points to the FASR module (learning agreement) is only possible for those, who have chosen the focus area in natural sciences or in economics.

MSD 2010

Für Studierende mit Studienvariante Phil.-Hist. (MSD 2010) ist dieses Seminar frei wählbar und kann für den Vertiefungsbereich angerechnet werden (learning contract).

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

33426-01	Seminar: Quantitative Data Analysis in African Studies	3 KP
	Dozierende	Elisio Macamo
	Beginndatum	20.02.2019
	Intervall	Block
	Angebotsmuster	Every spring sem.
	Anbietende Organisationseinheit	Zentrum für Afrikastudien
	Module	Modul Methoden der Gesellschaftswissenschaften (Master's Studies: European Global Studies) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: Sustainable Development) Modul: Empirische Forschungsmethoden (MSF - Political Science) Modul Methoden der Soziologie: quantitativ (MSF - Sociology) Modul: Research Skills (MSG - African Studies) Module: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)
	Lernziele	Students know - that "analysis" is above all an exercise in argumentation; - how to identify the logical structure of explanations in quantitative analysis; - how basic argument forms such as comparison and representativeness can be deployed in analysis; - how to avoid the pitfalls of faulty reasoning such as in "cause and effect", "ignoring evidence" and "anticipation"; - how to deploy quantitative analytic tools in the context of Africa.
	Inhalt	The seminar is an advanced introduction into quantitative analysis as argument. It starts with a broad overview of basic statistical knowledge by discussing the logical structure that underlies. It is entirely based on the discussion of key challenges posed any form of argument that relies on numbers, namely comparison, representativeness and cause and effect and their articulation with the most widely used tools in inference statistics. The main goal of the seminar is to enhance students' understanding of how quantitative analysis can be seen as an exercise in robust reasoning. The examples will be drawn mainly from research on Africa.
	Literatur	Best, Joel 2001: Damned Lies and Statistics – Untangling Numbers from the Media, Politicians and Activists. Berkeley. University of California Press. Jerven, Morten 2013: Poor Numbers – How we are misled by African Development Statistics and what to do about it. Ithaca. Cornell University Press.



Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg.: course registration; dereg.: not required
Hinweise zur Leistungsüberprüfung	Students are expected to submit regular homework assignments throughout the semester.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Bemerkungen	This course will be held in early June as a block-Seminar. It is essential that students have read the preparatory reading by then. Further preparatory tasks will be communicated to the participants by the end of march 2019.

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 16:15-18:30 Vesalianum, Seminarraum (O2.02) We 16:15-18:30 Vesalianum, Seminarraum (O2.02) Fr 16:15-19:00 Vesalianum, Seminarraum (O2.02) 3 group meetings: 20.2.19, 01.3.19 and 06.05.19; additional meetings according to agreements with responsible professors.
Beginndatum	20.02.2019
Intervall	irregular
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 MOOnA
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 students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus.
Anmeldung zur Lehrveranstaltung	Please register on MOOnA as soon as possible (no additional course application).
Bemerkungen	Group meetings for all participants: - meeting 1: 20.02.19: 4.15 - 6.30h p.m. - meeting 2: 01.03.19: 4.15 - 7.00h p.m. - meeting 3: 06.05.19: 4.15 - 6.30h p.m. Additional meetings according to agreements with responsible professors. This course is offered by MSD, Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead). 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 Kollegienhaus, Aula 033 We 08:15-10:00 Vesalium - Nebengebäude, Grosser Hörsaal (EO.16) Fr 14:15-16:00 Bernoullianum 30, Grosser Hörsaal 148 First half of the term: wednesday and friday timeslots Second half of the term: wednesday and monday timeslots The exact dates and rooms can be seen here below:	
Beginndatum	20.02.2019	
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 (first half of the semester, Wednesdays and 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 (second half of the semester (start: 15 April 2019), Mondays and Wednesdays):

Markets and Prices as Coordination and Incentive Devices

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

Literatur

Literature part Game Theory:

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

Literature part Theory of the Firm:

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

Weblink

Leistungsüberprüfung

Skala

Wiederholungsprüfung

An-/Abmeldung

Hinweise zur Leistungsüberprüfung

Wiederholtes Belegen

Präsenz/E-Learning

Unterrichtssprache

Teilnahmevoraussetzungen

<https://adam.unibas.ch>

end-of-semester examination

1-6 0,1

no repeat examination

Registration via MoNA during registration period

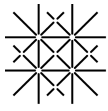
combined written exam

as often as necessary

No specific media used

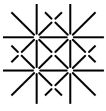
English

Completed Bachelor in Business and Economics



Anmeldung zur Lehrveranstaltung	Registration: Please enroll in MOA. EUCOR-Students and students of other Swiss Universities have to enroll at the students administration office (studeseupport1@unibas.ch) within the official enrollment period. Enrollment = Registration for the exam!
Bemerkungen	For all MIME students: This lecture can be a substitute in the Module 1: Advanced Topics in Economics for the course 31960 Microeconomics and Psychology of Decision Making which is taught in fall term.

17691-01	Lecture: International Trade, Resources and the Environment	3 KP
Dozierende	M. Scott Taylor	
Zeit	Mo 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Auditorium Block course between 2.5.19 and 14.5.19 The exact dates and rooms can be seen here below:	
Beginndatum	02.05.2019	
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)	
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 material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	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: tbd	
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.

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 Kollegengebäude within the registration period. Registration = Enrollment for exam. You may unsubscribe by email to the Studiendekanat (studiendekanat-wwz@unibas.ch) until 7 May, 2019.

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.