

University of Basel

Master's Studies: Sustainable Development

The aim of the study program:

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

Academic degree:

Master of Science in Sustainable Development

Structure:

The study program contains 120 credit points, which are acquired over four semesters in the case of a full-time study. For a part time study, the duration will extend accordingly.

The MSD offers three major study focus (Studienvarianten). Precise information concerning the choice of the modules are documented in the paragraph 7 of the study regulations. Further explanations can also be found in the guidelines (available in German and translation in English). Both documents and a graphic representation of the three focus areas can be downloaded from our website: <https://www.msd.unibas.ch/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 2018 the teaching committee is chaired by Prof. Dr. Patricia Holm, head of the research group Man-Society-Environment (MSE), Department of Environmental Science, Faculty of Sciences. She will be followed by Prof. Dr. Frank Krysiak, Dep. of Resource Economics, Faculty of Economics. He will be chairing the committee from August 2018 during 2 years. 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. All documents are available as downloads from our website: <https://www.msd.unibas.ch/en/services/downloads/msd-2017/>

The detailed course directory (KVV) informs regarding teaching program of the current semester. Further information are provided by the medium-term syllabus (mittelfristiger Lehrplan). For the preparation of the timetable the detailed course directory (KVV) and the medium-term syllabus have to be considered. Downloads available on: <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 of the coordination office: coordination-msd@unibas.ch; +41/61/207 04 20.

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

Consultation hours have to be arranged in advance.

For short consultation the coordination office MSD is open on Tuesday, 09.30 - 11.30h; Wednesday and Thursday, 13.30 - 15.00.

Module: Complementary Knowledge in Natural Sciences

20721-01	Lecture with practical courses: Ecosystems - Concepts, Principles and Processes	3 KP
Dozierende	Irene Adrian-Kalchhauser	
	Karen Bussmann	
Zeit	We 16:15-18:00 Vesalianum, Seminarraum (O2.02) Th 12:15-14:00 Vesalianum, Seminarraum (O2.02) Lecture: Thursday, 12.15 - 14.00 h Practical course: Wednesday, 16.15 - 18.00h (2 groups; each group meets fortnightly)	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall 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	Lecture - Students know the components of ecosystems; - they know how these components are interacting and influencing each other; - they can mediate and argument this knowledge with specific vocabulary.	



Practical course:

- Students are familiar with natural scientific literature sources;
- they get familiar with the structure of articles from natural sciences;
- they develop strategies to efficiently and correctly analyze the content of such articles;
- they critically analyze the statement of a text based on the provided data;
- they can interpret the provided data autonomously.

Inhalt

Lecture

The principal characteristics and components of ecosystems will be presented. On the basis of slides (presentation) and textbooks those principles, important processes and interactions between organisms and the biotic and abiotic environment will be discussed.

Practical Course

Based on current scientific literature, relevant topics will be assessed and critically analyzed. We will exercise to analyze and understand the content of scientific articles as well as discuss and question the authors' statements, using the provided data.

Literatur

tba

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

Lecture:

Written examination probably in January 2019, details tba.

Proof of achievement for the practical course (see below) are required for the admission to the written examination.

Practical course:

The proof of achievement for the practical course is the lecture of the provided literature and active participation in the discussions.

In consultation with the lecturer, each participant will choose and present one scientific article and lead the discussion on the content. "Presenting" does NOT mean a classical presentation (e.g. powerpoint), but to summarize the main findings and prepare the basis for an interactive discussion. Details and support on the preparation will be given in the lecture/practical course.

Without fulfilling the demands in the practical trainings, students will not be admitted to the written exam!

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

Online, mandatory

Unterrichtssprache

English

Teilnahmevoraussetzungen

Students of the MSD and those of the mentioned fields of study (see list of modules) have priority. If you study something different you must do a master degree within the 'Faculty of Sciences'.

Profound statistic skills are expected. The practical courses require active and critical examination of scientific articles and motivated discussion.

Bemerkungen

Mandatory lecture for MSD-Students.

Teaching takes place:

lecture: Thursday, 12.15-14h weekly; practical course: Wednesday, 16.15-18h (two groups; each group meets fortnightly). Details of group building tba at the beginning of the semester, starts in the second week of teaching period

41828-01	Lecture with practical courses: Perspectives of Natural Sciences on Sustainability	3 KP
Dozierende	Philipp Hirsch	
Zeit	Tu 14:15-16:00 Alte Universität, Seminarraum -201 Kick-off: 18.09.18 from 14.15 until 18.00; Alte Universität, Seminarraum 201 (together with 41828). Regular lecture: Tuesday 14.15 until 16.00h.	
Beginndatum	18.09.2018	
Intervall	weekly	



Angebotsmuster	Every fall sem.
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Grundkurse (Transfakultäre Querschnittsprogramme im freien Kreditpunkte-Bereich) 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) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	<p>The students</p> <ul style="list-style-type: none">- know current challenges of Sustainable Development (SD) and are able to present them from a natural science perspective;- have a basic understanding of how different perspectives shape the idea of SD;- know which issues different natural sciences disciplines raise and know their expected contribution to the analysis of SD;- can formulate reasonable expectations towards different disciplines of natural sciences. <p>Students are expected to</p> <ul style="list-style-type: none">- understand basic scientific methods in natural sciences;- have fundamental knowledge in natural sciences, which allow a critical appraisal of environmental issues and SD;- are aware of interrelations within the environment and between human and nature;- practice goal-oriented group work.
Inhalt	<p>The course is offered within the scope of the "Transfaculty Cross Section Program Sustainable Development" (Transfakultäres Querschnittsprogramm TQNE: https://www.msd.unibas.ch/en/study-programs/tqne/). The program consists of 3 introductory lectures with practical course (lecture A and B, respectively, offered in fall semesters, C offered in spring semesters) dedicated to conveying the foundations of sustainable development. An additional integration seminar (D, offered in spring semesters) engages with interdisciplinary work. The assignment and completion of D requires the successful completion of two lectures from A, B, C.</p> <p>The topic "Food and Sustainability" serves as an integration focus for the entire TQ NE and, thus, also for this lecture. The course includes a lecture and topic-specific practical course. While the lecture deals with systematic overview knowledge, the practical course focus' on empirical case studies.</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 of lecture and practical course, written examination tba, 14.15-16h.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	This lecture is open to students from the university who at least are studying in their third semester.
Bemerkungen	<p>The kick-off event is organized together with lecture B (41829) on Tuesday, 18.09.18 from 14.15 until 18.00h. Content: What is sustainability? Role of science in sustainability; How can I develop a sound judgment on a topic of the sustainability without risking a one-sided assessment?</p> <p>Practical course Each student has to attend several sessions of practical course (each 90 minutes; dates according to the announcement in the lecture itself).</p> <p>The groups are organized together with the enrolled students at the beginning of the</p>



teaching period.

Venue: Vesalianum, Vesalgasse 1, 2nd floor, meeting room 02.03a (exceptions will be communicated).

Extra certificate

Students who successfully complete all four classes of the TQ NE can apply for an additional certificate at the end of their studies (the final degree diploma must be available). Please send an email to coordination-msd@unibas.ch, with details of first and last name, student number, postal address.

MSD 2017

MSD students who already have attended a similar class are supposed to contact Prof. Dr. P. Holm and determine with her a substitute. Don't forget to inform C. Chebbi by email about your agreement.

This course is offered by the "Transfaculty cross section program Sustainable Development" (TQ NE), Dr. P. Hirsch is staff member of Men-Society-Environment, Dep. Environmental Sciences, Faculty of Sciences.

Module: Complementary Knowledge in Social Sciences

41829-01	Lecture with practical courses: Perspectives of Social Sciences on Sustainability	3 KP
Dozierende	Basil Bornemann	
Zeit	Tu 16:15-18:00 Alte Universität, Seminarraum -201 Kick-off: 18.09.18 from 14.15 until 18.00; Alte Universität, Seminarraum 201 (together with 41828). Regular lecture: Tuesday 16.15 until 18.00h.	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Grundkurse (Transfakultäre Querschnittsprogramme im freien Kreditpunkte-Bereich) Modul Grundlagenbereich Gesellschaftswissenschaften (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Complementary Knowledge in Social Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) Modul Vertiefung Landschaft und Umwelt (BSF - Geography) Modul: Vertiefung Politikwissenschaft M.A. (MSF - Political Science)	
Lernziele	The lecture aims at the acquisition of the following competences: (A) Professional competences: Students are familiar with selected social science perspectives relevant to the analysis of the link between sustainability and food. In addition, they have exemplary empirical knowledge on selected sustainability problems in the subject area of food and sustainability. (B) Methodological competences: Students are able to develop and apply strategies and techniques for the research and structuring of information. They are also able to apply specific social science perspectives to the analysis of a sustainability problem and to reflect the knowledge gained thereby. (C) Social and self-competences: Students can organize group work and organize and carry out results-oriented activities. They can argue their own positions in a small group and in front of a larger audience, defend against objections and reflect on the basis of critical objections by others	
Inhalt	The lecture is offered within the scope of the "Transfaculty cross section program Sustainable Development" (Transfakultäres Querschnittsprogramm TQ NE). The program consists of 3 introductory lectures with practical courses (lecture A + B, respectively, offered in fall semesters, C offered in spring semesters) dedicated to conveying the foundations of sustainable development. An additional integration seminar (D, offered in spring semesters) engages with interdisciplinary work. The assignment and completion of D requires the successful completion of two lectures from A, B, C. This lecture with practical courses (lecture B) deals with the analysis of sustainability problems and problem solving from different social science perspectives. It seeks to clarify the prerequisites and conditions, as well as the possibilities and limits of dealing with sustainability problems and fostering societal transformations toward sustainability. The topic "Food and Sustainability" serves as an integration focus for the entire TQ NE and, thus, also for this lecture. Food is analyzed as a social, cultural and political phenomenon in	



relation to sustainable development: What can social sciences contribute to a differentiated understanding of food-related sustainability problems and their solutions? (e.g., mass husbandry, famine, overfishing, urban gardening, etc.)
The class includes a lecture and topic-specific practical course. While the lecture deals with systematic overview knowledge, the practical course focus on empirical case studies.

Literatur	tba
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 of lecture and practical course, written examination in January 2019, details tba: 16.15-17.45h, venue tba
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	This class is open to students from the university who at least are studying in their third semester.
Bemerkungen	<p>The kick-off event is organized together with lecture A (41828) on Tuesday, 18.09.18 from 14.15 until 18.00. Content: What is sustainability? Role of science in sustainability; How can I develop a sound judgment on a topic of the sustainability without risking a one-sided assessment?</p> <p>Practical course Each student has to attend 3 sessions of practical course (each 90 minutes) and 1 lesson with presentation in the course of the lecture taking place on pre-determined dates according to the announcement in the lecture itself. The groups are organized together with the enrolled students at the beginning of the teaching period. Venue: Vesalianum, Vesalgasse 1, 2nd floor, meeting room 02.03a (exceptions will be communicated).</p> <p>Extra certificate Students who successfully complete all four classes of the TQ NE can apply for an additional certificate at the end of their studies (final degree diploma must be available). Please send an email to coordination-msd@unibas.ch, with details of first and last name, student number, postal address.</p> <p>MSD 2017 MSD students who already have attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute. Don't forget to inform C. Chebbi by email about your agreement.</p> <p>This lecture is offered by the "Transfaculty cross section program Sustainable Development" (TQ NE), Dr. Basil Bornemann is staff member of the Sustainability Research Group, Department of Social Sciences.</p>

14253-01	Seminar: Environmental Ethics and Intergenerational Justice	3 KP
Dozierende	Barbara Schmitz	
Zeit	Tu 10:15-12:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Grundlagenbereich Gesellschaftswissenschaften (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))	



	<p>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 Praktische Philosophie (MSF - Philosophy) Modul Fields: Environment and Development (MSG - African Studies)</p>
Lernziele	<p>The participants know - different approaches in environmental ethics; - the specific problems of intergenerational justice.</p>
Inhalt	<p>The central questions of environmental ethics concern the moral obligations we have towards protecting our natural environment. How can these obligations be rationally justified? What do they include? Physiocentric approaches suppose that the value of protecting our environment is not just based on human interests. In contrast, anthropocentric approaches completely explain the obligation to conserve the nonhuman nature by reference to the interests of human beings who for example have a need for an undestroyed environment as an economical resource or as an area for their relaxation. These different approaches will be discussed in the first part of the course. Sustainable development is aiming at the protection of the economical and ecological conditions of the good life of future generations. By serving this goal environmental ethics becomes part of an ethics concerning our responsibility for the future. In the second part of the course different readings of this responsibility will be discussed. In this context, it will also be examined in which way our obligation to protect our environment can be justified by the idea of justice between present and future generations. The literature is presented at the beginning of the seminar.</p>
Literatur	<p>continuous assessment</p>
Leistungsüberprüfung	<p>1-6 0,1</p>
Skala	<p>no repeat examination</p>
Wiederholungsprüfung	<p>Reg./dereg.: course registr./cancel registr. via MOnA</p>
An-/Abmeldung	<p>Regular attendance, required reading, oral presentation, essay.</p>
Hinweise zur Leistungsüberprüfung	
Wiederholtes Belegen	<p>as often as necessary</p>
Präsenz/E-Learning	<p>Online, optional</p>
Unterrichtssprache	<p>English</p>
Teilnahmevoraussetzungen	<p>Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way than explained ARE NOT taken into account.</p>
Anmeldung zur Lehrveranstaltung	<p>Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) 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 and former inscription as explained. Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.. In case of vacancies the online application link remains open until the second week of teaching + 2 days.</p>
Bemerkungen	<p>Note: Special course inscription and entry requirements! MSD students who already have attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute. Don't forget to inform C. Chebbi by email about your agreement. MSD 2017 Mandatory for all students (unless the above situation applies to you). MSD 2010 Die Anrechnung erfolgt gemäss publizierten Modulen oder mittels LC für den Vertiefungsbereich Phil.-Hist. Pflicht für alle, sei denn man hat diese LV oder eine vergleichbare schon gemacht (siehe Absatz weiter oben)</p>

This seminar is offered by MSD, Dr. B. Schmitz holds a teaching assignment.

Module: Complementary Knowledge in Economics

48981-01	Lecture: Intensive Introduction to Intermediate Economics	6 KP
Dozierende	Dragan Ilic	
Zeit	We 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S16 HG.39 Fr 12:15-14:00 Kollegienhaus, Hörsaal 114	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Module: Complementary Knowledge in Economics (Master's Studies: Sustainable Development)	
Lernziele	The course aims to provide students with no economic background with the required foundation in economic analysis and theory for tackling more advanced economic courses. After completing the course, students should be able to think critically about methodological and economic issues. Students should be able to explain and interpret economic phenomena with the language and approach of economic reasoning.	
Inhalt	This course introduces the basic building blocks of modern economic analysis. Aimed for non-economists, it is a crash course in economic thinking. In the first, shorter part of the course we delve into basic economic concepts such as the modeling the market forces of supply and demand, thinking at the margin, efficiency, comparative advantage in trade, externalities, public goods, and measuring GDP. The second, more mathematical part of the course revolves around microeconomic theory. We will study how consumers and producers, interacting through markets, determine the prices and output of goods and the allocation of productive resources. Consumers and producers are formally modeled as agents with well-defined objectives who make optimal choices in an environment of economic constraints such as income and costs. The price mechanism signals information to consumers and producers alike, coordinating their behavior. This course will contain both lectures and exercise sessions. Course material will be provided through the ADAM webspace.	
Literatur	Two textbooks provide the foundation for this class: Tyler Cowen and Alex Tabarrok, "Modern Principles of Economics," Third Edition (Worth Publishers, 2016) Jeffrey M. Perloff, "Microeconomics with Calculus," Third (Global) Edition (Pearson Education, 2013)	
Leistungsüberprüfung	For laypersons, these two books provide an excellent and easy to read introduction into economic thinking and the value of economic modeling: Tim Harford, "The Undercover Economist," (Little, Brown and Company, 2005; various reprints) Dani Rodrik, "Economics Rules," (W.W. Norton & Company, 2016)	
Skala	end-of-semester examination 1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Registration via MOnA during registration period	
Hinweise zur Leistungsüberprüfung	There will be a written exam at the end of the semester. written exam:	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Bemerkungen	I place high value on intuition, but this course will necessarily be technical in nature. I will expect you to have a solid background in algebra and be familiar with basic calculus.	

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	
Beginndatum	17.09.2018	
Intervall	irregular	
Angebotsmuster	Every semester	



Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)
Lernziele	Students learn - to perceive and understand others presentations, insight into other SD research topics; - to give constructive, specific feed-back, discussion about research topics; - to pose interesting questions on other student's presentations.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium 50339 on "ongoing master's thesis" is the the first one to be attended. The participants learn to understand the presented research designs, pose questions, and learn to give feedback (using a special feedback form).
Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Written report (valuation of feedback forms).
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Only for students of the Master's Degree in Sustainable Development MSD 2017.
Bemerkungen	Mandatory for all students of MSD 2017.

52317-01	Colloquium: Presentation of Concepts of MSD Master's Thesis	1 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Beginndatum	17.09.2018	
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. The participants present the research questions and the research design that are likely to be used in their master thesis. They prepare their presentation in a way that is accessible to an interdisciplinary audience and 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, containing 10 minutes of talk and 10 minutes of discussion.	
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 of the master's thesis is to be submitted in the current semester. Students make a presentation of their master's theses design after having received the email of acceptance concerning their application of the master's thesis.	



Anmeldung zur Lehrveranstaltung	Students have to register for a presentation time slot on doodle. Those who have not received the doodle link by email (sent by the of the coordination office MSD at latest at the beginning of September 2018) ask for the link sending an email to: coordintion-msd@unibas.ch
Bemerkungen	Only for students of the MSD 2017 who has to present their master's thesis design.

48953-01	Core lecture: Sustainable Development: Introduction into Topics and Approaches	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit	Tu 08:15-10:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Modul Kompetenzen für interdisziplinäre Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)	
Lernziele	<ul style="list-style-type: none"> - Students have acquired knowledge on the background, the history, and the important concepts of SD - They can distinguish between the political and the societal meaning and the scientific approaches towards SD - They are aware of the high complexity of SD topics, in terms of spatio-temporal relationships, in terms of the necessary contribution of different disciplines, and in terms of divergent perspectives - They gain an overview on the important current topics in SD and acquire knowledge on the peculiarities of these topics - They learn to transfer general concepts of SD topics on new topics. 	
Inhalt	In this introductory course (core lecture), participants are familiarized with the topic of sustainability from scientific perspectives. In this lecture, a first insight into the background, the history, and the important concepts of SD will be provided. An overview on the important current topics in sustainable development and their peculiarities will be given. As well, the political and the societal meaning and the scientific approaches towards SD will be discussed.	
Literatur	tba	
Leistungsüberprüfung	proof of course participation	
Skala	1-6 0,1	
Wiederholungsprüfung	one repetition, best attempt counts	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA	
Hinweise zur Leistungsüberprüfung	Written examination at the end of the semester/lecture hours. Details tba.	
Wiederholtes Belegen	Repeat examination (only for those who have reached a mark lower than 4.0 in the regular examination): ddmmyy/lecture hours, Vesaliaum, Vesalgasse 1, 2st floor, seminar room 02.02. no repetition	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Exclusively for MSD-students (incl. in prep.)	
Anmeldung zur Lehrveranstaltung	Exclusively for MSD-students.	
Bemerkungen	<p>This core lecture is mandatory. Take note of participation and registration criteria incl. final examination.</p> <p>The lecture is offered by MSD. Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead) are heading the MSD teaching committee.</p> <p>MSD 2010: Wer den Einführungskurs vom MSD 2010 bis und mit HS 16 nicht gemacht hat, muss als Ersatz diese Kernvorlesung absolvieren.</p>	

48954-01	Core lecture: Tools and Methods for Interdisciplinary Research	3 KP
Dozierende	Marius Christen	
Zeit	Th 10:15-12:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	20.09.2018	
Intervall	weekly	



Angebotsmuster	Every fall sem.
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD
Module	Module: Interdisciplinary Research in Sustainability (Master's Studies: Sustainable Development)
Lernziele	Students will: - get acquainted with the rational, forms and challenges of interdisciplinarity; - get to know different methods of interdisciplinary research; - be able to understand and basically apply relevant tools of interdisciplinary research in sustainability sciences, such as system analysis and sustainability assessment.
Inhalt	Interdisciplinarity is mandatory to successfully and scientifically understand and tackle complex real-world problems, such as sustainability challenges. However, what is meant by interdisciplinarity, and how and by which methods interdisciplinary research is conducted, is a major issue by itself. In a first part, the core lecture will introduce different forms, methods and challenges of interdisciplinarity and transdisciplinarity, with a focus on questions of interdisciplinary research in sustainability sciences. In a second and third part, we will discuss established and most important tools of interdisciplinary research in sustainability sciences: system analysis and sustainability assessment. Finally, we will round out the lecture by a critical reflection upon contributions of science to the transformation towards sustainable development. The lecture requires active participation.
Literatur	Introductory readings: Bergmann, M. et al. (2012): Methods for transdisciplinary research. A primer for practice, Frankfurt a.M: Campus. Thompson Klein, J. (2010): A taxonomy of interdisciplinarity, in: The Oxford handbook of interdisciplinarity, ed. by R. Frodeman et al., Oxford: OUP, pp. 15-30.
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	Written examination: Friday, 22.12.17/lecture hours. Vesalium, Vesalgasse 1, 1st floor, lecture hall 01.13. Repeat examination (only for those who have reached a mark lower than 4.0 in the regular examination): Friday, 09.02.18/lecture hours, Vesalium, Vesalgasse 1, 2st floor, seminar room 02.02.
Wiederholtes Belegen	no repetition
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Exclusivly for MSD-students (incl. in prep.)
Anmeldung zur Lehrveranstaltung	Exclusivly for MSD-students (incl. in prep.)
Bemerkungen	This core lecture is mandatory. Take note of parcipation and registration criteria incl. final examination. The lecture is offered by MSD, Dr. M. Christen holds a teaching assignment.

Module: Core Competences in Natural Sciences

52314-01	Colloquium: MSD Life Science	1 KP
Dozierende	Patricia Holm Joschka Wiegleb	
Zeit	Tu 16:15-17:00 Vesalianum, Seminarraum (02.02) Vesalianum, Seminarraum 02.02 (zweiter Stock): Termine nach Ankündigung	
Beginndatum	18.09.2018	
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
Hinweise zur Leistungsüberprüfung	Vortrag
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 Angaben unter Bemerkungen.
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.

24129-01	Field trip: Sustainability in Ecosystem Research	2 KP
Dozierende	Christine Alewell Andreas Lang	
Zeit	Fr 09:15-12:00 Bernoullianum 32, Hörsaal 223	
Beginndatum	21.09.2018	
Intervall	irregular	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Geowissenschaften	
Module	Modul Aufbauereich naturwissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Module: Environmental Geosciences and Biogeochemistry (Master Geosciences) Modul Exkursionen (MSF - Geography)	
Lernziele	Erwerb des Verständnisses ausgewählter Aspekte des globalen Klima- und Landnutzungswandels unter Berücksichtigung von (I) Prozessen, die in den Ökosystemen Nordsee und Nordseeküste stattfinden und (II) den dort vorhandenen Ressourcen und ihre Beeinflussung durch den Menschen.	
Inhalt	Die 6-tägige Exkursion beinhaltet ein vielfältiges Programm, welches biologische, bodenkundliche, biogeochemische/ozeanographische, sowie gesellschaftliche Aspekte behandelt (geplant sind u.a. Führungen durch das Senckenberginstitut und das Institut für Historische Küstenforschung, eine Wattwanderung sowie Bestimmungsübungen zum Leben im Watt etc.). Im Vordergrund steht die Auseinandersetzung mit der norddeutschen Küste und dem Wattenmeer als Ökosystem. Dabei liegt der Fokus auf natürlichen Ressourcen und ihre Beeinflussung durch den Menschen.	
Literatur	Wird ausgegeben.	
Weblink	https://duw.unibas.ch/de/umweltgeowissenschaften/	



Leistungsüberprüfung	continuous assessment
Skala	Pass / Fail
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA
Hinweise zur Leistungsüberprüfung	Aktive Teilnahme.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	German
Teilnahmevoraussetzungen	Exkursion für Fortgeschrittene. Studierende des Masters Geowissenschaften (Modul Umweltgeowissenschaften) sowie des Master für Sustainable Development haben Vorrang. Ebenfalls geniessen Studenten Priorität, welche an der Projekt "Sustainable Development in Ecosystem Research" teilnehmen.
Anmeldung zur Lehrveranstaltung	Bei Interesse bitte im Sekretariat-ugw@unibas.ch melden.
Bemerkungen	Die Vorbesprechung fand am 17.05.2018 statt. Nachträgliche Anmeldung im Sekretariat Umweltgeowissenschaften ist möglich.

41821-01	Lecture with practical courses: Ecological Sustainability Aspects of Climate Change	3 KP
Dozierende	Dirk Schindler	
Zeit	Fr 12:15-16:00 Vesalianum, Seminarraum (O2.02) Teaching on 5.10.,19.10.,26.10.,2.11.,9.11.,7.12.,14.12.: 12.15 - 16.00h.	
Beginndatum	05.10.2018	
Intervall	irregular	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Modul Wahlbereich Energie und Klimawandel (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 - deepen their knowledge on current global and regional climate change; - extend their knowledge on anthropogenic influence causing current climate change; - develop solid skills for the objective interpretation and assessment of the changes associated with the projected climate change in physical, biological and human systems; - analyse and evaluate possibilities for the application of mitigation und adaptation strategies.	
Inhalt	Current climate change is altering many physical, biological and human systems in the earth-atmosphere system. With regard to the near future, projected climate change is the greatest challenge for mankind. The topics of the course will provide an interdisciplinary overview of observations, analyses, simulations and interpretations of current and projected climate change and its consequences at regional and global scales. Amongst others the following topics are covered: - Climate system as part of the earth system; - Overview about the facets of current and projected climate change; - Impacts of global and regional climate change on physical, biological and human systems; - Mitigation and adaptation strategies; - Climate Engineering; - Sustainability and climate.	
Literatur	Recommended literature: IPCC (2014) Climate Change 2014: Synthesis Report. Summary for Policymakers IPCC (2014): Climate change 2014. Impacts, Adaptation, and Vulnerability. Summary for Policymakers Further literature will be provided during the course.	
Leistungsüberprüfung	proof of course participation	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOnA	
Hinweise zur Leistungsüberprüfung	Regular attendance, required reading, presentation, written assessment on 14.12.18/lecture time	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	



Teilnahmevoraussetzungen

Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way then explained ARE NOT taken into account.

Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) have priority. If you study something different you must do a master degree within the 'Faculty of Sciences' and may attend the class in case of vacancies and former inscription as explained.

Entry requirements MSD 2017
Students with Focus area in Social Sciences or in Economics must have completed the module "Complementary knowledge in Natural Sciences".
No special entry requirements for students with Focus Area in Natural Sciences.

Anmeldung zur Lehrveranstaltung

MSD 2010
MSD-Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Nat. zu absolvieren haben, müssen diese bis und mit FS 17 weitestgehend abgeschlossen haben.
Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight:

https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam
(Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on)

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

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

Bemerkungen

Note: Special course inscription and entry requirements!

Credit transfer MSD 2017
Credits may be transferred to the module "Focal areas in sustainability research" (learning agreement) (all students).

MSD 2010
Anrechnung im MSD: Die LV ist im Wahlbereich Energie und Klimawandel/Bereich Phil.-Nat. publiziert. Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Nat. zu absolvieren haben, müssen diese weitestgehend abgeschlossen haben.
Studierende mit Studienvariante Phil.-Nat. können sich diese LV nach Rücksprache mit P. Holm mittels LC für den Vertiefungsbereich anrechnen lassen.

Teaching on 5.10.,19.10.,26.10.,2.11.,9.11.,7.12.,14.12.: from 12.15-16.00h; breaks according lecturer). Final assessment on 14.12.18.

This course is offered by MSD, Dr. D. Schindler holds a teaching assignment.

49077-01	Lecture with practical courses: Global Change Resources	3 KP
Dozierende	Annette Affolter Kast Peter Huggenberger	
Zeit	Mo 10:15-12:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	17.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Archäologie / Humangeographie / MSD	
Module	Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Module: Environmental Geosciences and Biogeochemistry (Master Geosciences)	
Lernziele	Participants - know the distribution and environmental relevance of critical mineral and non-renewable fossil raw materials; - have an idea of the complexity of the steps from extraction to disposal of fossil raw materials, resource consumption such as water or additives in exploration and production as well as aspects of CO2 storage;	



- acquire the knowledge and understanding to critically discuss examples of raw material exploration and recycling;
- understand the role of the global interest in, exploitation and trade of raw materials. They can explain the role of a globalized resource consumption and the arising environmental consequences using examples.

Inhalt

An overview over critical mineral and non-renewable fossil raw materials is given. Rare metals are introduced using examples (e.g., gallium, lithium, etc.). E.g. critical mineral resources in everyday products (iphones, cars, etc.)

The development of supply, geological and technological progress over the past decades will be outlined. Thereby the focus will be on the technological developments of extraction, related risks, interaction with and consumption of water accompanying fossil raw material exploitation.

Introduction to economic, social and regulatory aspects, geopolitical factors and life cycles.

Recovery of critical raw materials from products (for example electronic equipment) including case studies of indium and neodymium. Recycling of electronic waste, processing steps in the recycling chain.

Swiss pioneering industrial projects on recycling of mineral resources will be presented: Urban mining (recovery of critical mineral resources (worldwide, Europe, Switzerland)), i.e., the impact of VVEA (regulation on the recycling and disposal of waste in Switzerland, legal aspects (the new VVEA of Switzerland).

Ecological impacts of the extraction, production and disposal of critical raw materials (case studies), worldwide aspects. Examples include: Environmental impact of raw material exploitation in Switzerland (historical-current), Romania, Indonesia: cement, salt. CO₂ production during cement production, CO₂ storage, processes, case studies in Switzerland

(Excursions to the most modern recycling facilities (in CH) possible.)

Literatur

Recommended texts:

Angerer, G. et al.: Rohstoffe für Zukunftstechnologien. Stuttgart, Deutschland: Fraunhofer Verlag (2009).

Brown, T. J. et al.: World Mineral Production. Keyworth, Großbritannien: British Geological Survey (2012).

Bundesanstalt für Geowissenschaften und Rohstoffe:
www.bgr.bund.de/DE/Home/homepage_node.html

Graedel, T. E. et al.: Methodology of metal criticality determination. In: Environmental Science and Technology, 46 (2012) 1063–1070.

Dieter Lohmann, Nadja Podbregar: Im Fokus: Bodenschätze.
Auf der Suche nach Rohstoffen, Berlin / Heidelberg 2012

Rhodia develops innovative process for the recycling of rare earths. Internet:
http://www.rhodia.com/en/news_center/news_releases/Rare_earth_130111.tcm.

Schüler, D. et al.: Study on Rare Earths and Their Recycling. Öko-Institut e.V. (2011) Final Report for the Greens/EFA Group in the European Parliament, 1–140.

SCREEN EU - Solutions for CRITICAL Raw materials - a European Expert Network

Terre des hommes: Glück auf? Die Auswirkungen des Bergbaus auf Kinder, Osnabrück September 2011.

Weltweiter Verteilungskampf um Ressourcen – Rohstoffe, Wasser, Energie, DBG Bildungswerk, DGB Bildungswerk BUND, Nord | Süd-Netz, 2013
nord-sued-netz@dgb-bildungswerk.de

Leistungsüberprüfung

Skala

Wiederholungsprüfung

An-/Abmeldung

proof of course participation

1-6 0,1

one repetition, best attempt counts

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



<p>Hinweise zur Leistungsüberprüfung Wiederholtes Belegen Präsenz/E-Learning Unterrichtssprache Teilnahmevoraussetzungen</p>	<p>Written examination on ddmmyy/hh (Seminarraum 02.02; Vesalgasse 1, Vesaliumum) as often as necessary No specific media used English Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way then explained ARE NOT taken into account.</p> <p>Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) have priority. If you study something different you must do a master degree within the 'Faculty of Sciences' and may attend the seminar in case of vacancies and former inscription as explained. MSD-Students who have chosen the focus area of Social Sciences or Economics must have completed the module "Complementary knowledge in Natural Sciences".</p>
<p>Anmeldung zur Lehrveranstaltung</p>	<p>Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.. In case of vacancies the online application link remains open until the second week of teaching + 2 days.</p>
<p>Bemerkungen</p>	<p>Note: Special course inscription and entry requirements!</p> <p>MSD 2017 MSD-Students who have chosen the focus area of Social Sciences or Economics may attend the seminar on condition that they formerly have completed the module "Complementary knowledge in Natural Sciences" (learning agreement). Credits may then be transferred to the module "Focal areas in sustainability research" (learning agreement).</p> <p>Mandatory for MSD-Students who have chosen the focus area of Natural Sciences. No credit transfer possible to any different module than published.</p> <p>This lecture is offered by MSD, the lecturer will hold a teaching assignment.</p>

<p>41828-01</p>	<p>Lecture with practical courses: Perspectives of Natural Sciences on Sustainability</p> <hr/> <p>Dozierende Zeit Beginndatum Intervall Angebotsmuster Anbietende Organisationseinheit Module Lernziele</p>	<p style="text-align: right;">3 KP</p> <p>Philipp Hirsch Tu 14:15-16:00 Alte Universität, Seminarraum -201 Kick-off: 18.09.18 from 14.15 until 18.00; Alte Universität, Seminarraum 201 (together with 41828). Regular lecture: Tuesday 14.15 until 16.00h. 18.09.2018 weekly Every fall sem. Archäologie / Humangeographie / MSD Grundkurse (Transfakultäre Querschnittsprogramme im freien Kreditpunkte-Bereich) 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) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies) The students - know current challenges of Sustainable Development (SD) and are able to present them from a natural science perspective; - have a basic understanding of how different perspectives shape the idea of SD; - know which issues different natural sciences disciplines raise and know their expected contribution to the analysis of SD; - can formulate reasonable expectations towards different disciplines of natural sciences.</p> <p>Students are expected to - understand basic scientific methods in natural sciences;</p>
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- have fundamental knowledge in natural sciences, which allow a critical appraisal of environmental issues and SD;
- are aware of interrelations within the environment and between human and nature;
- practice goal-oriented group work.

Inhalt

The course is offered within the scope of the "Transfaculty Cross Section Program Sustainable Development" (Transfakultäres Querschnittsprogramm TQNE: <https://www.msd.unibas.ch/en/study-programs/tqne/>). The program consists of 3 introductory lectures with practical course (lecture A and B, respectively, offered in fall semesters, C offered in spring semesters) dedicated to conveying the foundations of sustainable development. An additional integration seminar (D, offered in spring semesters) engages with interdisciplinary work. The assignment and completion of D requires the successful completion of two lectures from A, B, C.

The topic "Food and Sustainability" serves as an integration focus for the entire TQ NE and, thus, also for this lecture. The course includes a lecture and topic-specific practical course. While the lecture deals with systematic overview knowledge, the practical course focus' on empirical case studies.

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 of lecture and practical course, written examination tba, 14.15-16h. as often as necessary

Wiederholtes Belegen

No specific media used

Präsenz/E-Learning

English

Unterrichtssprache

Teilnahmevoraussetzungen

This lecture is open to students from the university who at least are studying in their third semester.

Bemerkungen

The kick-off event is organized together with lecture B (41829) on Tuesday, 18.09.18 from 14.15 until 18.00h. Content: What is sustainability? Role of science in sustainability; How can I develop a sound judgment on a topic of the sustainability without risking a one-sided assessment?

Practical course

Each student has to attend several sessions of practical course (each 90 minutes; dates according to the announcement in the lecture itself).

The groups are organized together with the enrolled students at the beginning of the teaching period.

Venue: Vesalianum, Vesalgasse 1, 2nd floor, meeting room 02.03a (exceptions will be communicated).

Extra certificate

Students who successfully complete all four classes of the TQ NE can apply for an additional certificate at the end of their studies (the final degree diploma must be available). Please send an email to coordination-msd@unibas.ch, with details of first and last name, student number, postal address.

MSD 2017

MSD students who already have attended a similar class are supposed to contact Prof. Dr. P. Holm and determine with her a substitute. Don't forget to inform C. Chebbi by email about your agreement.

This course is offered by the "Transfaculty cross section program Sustainable Development" (TQ NE), Dr. P. Hirsch is staff member of Men-Society-Environment, Dep. Environmental Sciences, Faculty of Sciences.



12127-01	Project: Sustainability in Ecosystem Research	3 KP
Dozierende	Christine Alewell Andreas Lang	
Beginndatum	21.09.2018	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Geowissenschaften	
Module	Modul Aufbaubereich naturwissenschaftliche Fragen von Nachhaltigkeit (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Natural Sciences (Master's Studies: Sustainable Development) Module: Environmental Geosciences and Biogeochemistry (Master Geosciences) Modul Exkursionen (MSF - Geography)	
Lernziele	Hauptlernziel der Veranstaltung ist das eigenständige Entwickeln eines Forschungsprojektes und das Verfassen eines Forschungsantrages im Format des Schweizerischen Nationalfonds zu Themen, welche Inhalt der 5-tägigen Exkursion nach Wilhelmshaven (24129 Sustainability in Ecosystem Research) sind. Im Rahmen dieser kombinierten Veranstaltung (Sustainability in Ecosystem Research Projekt und Exkursion) gilt es, ausgewählte Aspekte des globalen Klima- und Landnutzungswandels unter Berücksichtigung von (I) Prozessen, die in den Ökosystemen Nordsee und Nordseeküste stattfinden und (II) den dort vorhandenen Ressourcen und ihre Beeinflussung durch den Menschen besser zu verstehen.	
Inhalt	In einem eintägigen Seminar werden Übungen durchgeführt, welche die Teilnehmer der Vorlesungsveranstaltung an das formkorrekte Verfassen von Forschungsanträgen heranführen. Auf Basis der veranstaltungsbegleitenden 6-tägigen Exkursion (24129-01 Sustainability in Ecosystem Research), welche biologische, bodenkundliche, biogeochemische/ ozeanographische, sowie gesellschaftliche Aspekte behandelt, werden in Gruppenarbeit mögliche Fragestellungen und Projekte zu den verschiedenen Themen ausgearbeitet und in einem vollständigen Forschungsantrag zusammengestellt. Im Vordergrund steht die Auseinandersetzung mit der norddeutschen Küste und dem Wattenmeer als Ökosystem. Thematischer Fokus liegt auf den natürlichen Ressourcen und ihrer Beeinflussung durch den Menschen. Wird ausgegeben.	
Literatur	Wird ausgegeben.	
Weblink	https://duw.unibas.ch/de/umweltgeowissenschaften/studium/exkursionen/wilhelmshaven	
Leistungsüberprüfung	continuous assessment	
Skala	Pass / Fail	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg./dereg.: course registr./cancel registr. via MOiA	
Hinweise zur Leistungsüberprüfung	Teilnahme an Exkursion und Seminar mit Gruppenarbeit und Abgabe eines Antragsmanuskripts as often as necessary	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	German	
Teilnahmevoraussetzungen	Teilnahme nur in Kombination mit Sustainability in Ecosystem Research I. Studierende des Masters Geowissenschaften (Modul Environmental Geosciences and Biogeochemistry) sowie des Master für Sustainable Development haben Vorrang.	
Anmeldung zur Lehrveranstaltung	Bei Interesse bitte im Sekretariat-ugw@unibas.ch melden.	
Bemerkungen	Der Termin für die eintägige Nachbereitung wird während der Exkursion festgelegt. Die Vorbesprechung fand am 17.05.2018 statt. Nachträgliche Anmeldung im Sekretariat Umweltgeowissenschaften ist möglich.	

Module: Core Competences in Social Sciences

14253-01	Seminar: Environmental Ethics and Intergenerational Justice	3 KP
Dozierende	Barbara Schmitz	
Zeit	Tu 10:15-12:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	



Module	<p>Modul Grundlagenbereich Gesellschaftswissenschaften (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 Praktische Philosophie (MSF - Philosophy) Modul Fields: Environment and Development (MSG - African Studies)</p>
Lernziele	<p>The participants know - different approaches in environmental ethics; - the specific problems of intergenerational justice.</p>
Inhalt	<p>The central questions of environmental ethics concern the moral obligations we have towards protecting our natural environment. How can these obligations be rationally justified? What do they include? Physiocentric approaches suppose that the value of protecting our environment is not just based on human interests. In contrast, anthropocentric approaches completely explain the obligation to conserve the nonhuman nature by reference to the interests of human beings who for example have a need for an undestroyed environment as an economical resource or as an area for their relaxation. These different approaches will be discussed in the first part of the course. Sustainable development is aiming at the protection of the economical and ecological conditions of the good life of future generations. By serving this goal environmental ethics becomes part of an ethics concerning our responsibility for the future. In the second part of the course different readings of this responsibility will be discussed. In this context, it will also be examined in which way our obligation to protect our environment can be justified by the idea of justice between present and future generations.</p>
Literatur	<p>The literature is presented at the beginning of the seminar.</p>
Leistungsüberprüfung	<p>continuous assessment</p>
Skala	<p>1-6 0,1</p>
Wiederholungsprüfung	<p>no repeat examination</p>
An-/Abmeldung	<p>Reg./dereg.: course registr./cancel registr. via MOnA</p>
Hinweise zur Leistungsüberprüfung	<p>Regular attendance, required reading, oral presentation, essay.</p>
Wiederholtes Belegen	<p>as often as necessary</p>
Präsenz/E-Learning	<p>Online, optional</p>
Unterrichtssprache	<p>English</p>
Teilnahmevoraussetzungen	<p>Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way then explained ARE NOT taken into account.</p>
Anmeldung zur Lehrveranstaltung	<p>Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) 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 and former inscription as explained. Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.. In case of vacancies the online application link remains open until the second week of teaching + 2 days.</p>
Bemerkungen	<p>Note: Special course inscription and entry requirements! MSD students who already have attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute. Don't forget to inform C. Chebbi by email about your agreement. MSD 2017 Mandatory for all students (unless the above situation applies to you).</p>



MSD 2010

Die Anrechnung erfolgt gemäss publizierten Modulen oder mittels LC für den Vertiefungsbereich Phil.-Hist. Pflicht für alle, sei denn man hat diese LV oder eine vergleichbare schon gemacht (siehe Absatz weiter oben)

This seminar is offered by MSD, Dr. B. Schmitz holds a teaching assignment.

41822-01	Seminar: Governance of Energy Transition	3 KP
Dozierende	Annika Sohre	
Zeit	We 12:15-14:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall 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) Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Political Science) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	By the end of the seminar the participants will have acquired basic theoretical, empirical and methodological knowledge and skills necessary to critically analyze requirements, modes and results of governance of energy transition and have developed a critical understanding of news coverage in energy and climate policy.	
Inhalt	Steering the energy transition?! This demand of a transition of energy- and climate policies towards a sustainable system poses major challenges on national and international governance: Conflicts of opposing interests, uncertainties of implementation and legitimacy of interventions as well as areas of conflicts in the multi-level system of national and international arenas affect governance efforts of energy- and climate transitions. The challenges are also reflected in the high profile of actual energy- and climate change topics in the media. Thereby, media conveys and produces public discourses. In the seminar, actual developments in the energy- and climate policy in Switzerland and other countries are analyzed from a governance perspective. What actors and what interests are important in the transition processes? Who steers what? What instruments are used with what effects? What structures and processes hinder and facilitate the political interventions? To what extent does the media pursue its own interests in energy- and climate policies? The students work out and discuss facts, background and positions of actual energy- and climate discourses based on newspaper articles and accomplishing scientific literature. Relevant literature will be announced in the seminar.	
Literatur		
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 inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way then explained ARE NOT taken into account. Limited number of participants (25). Students of the MSD and those of the mentioned fields of study (see list of modules) 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 and former inscription as explained. Finally, participants must have passed an introduction into SD and have a good understanding of SD.	
	MSD 2017	
	Students who have chosen the focus area in Natural Sciences or in Economics must have completed the module "Complementary knowledge in Social Sciences".	

MSD 2010
MSD-Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Hist. zu absolvieren haben, müssen diese bis und mit FS 18 weitestgehend abgeschlossen haben.

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight:
https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam
(Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on)

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

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

Bemerkungen

Note: Special course inscription and entry requirements!

Credit transfer MSD 2017

Credits may be transferred to the module "Focal areas in sustainability research" (learning agreement).

Anrechnung MSD 2010

Für das publizierte Modul oder mittels LC für den Vertiefungsbereich Phil.-Hist. Beachten Sie die Teilnahmebedingungen bzgl. KP im Grundlagen- und Aufbaubereich Phil.-Hist. (sofern diese zu belegen sind).

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

15995-01	Seminar: Political Ecology and Societal Transformations from Anthropological Perspective	3 KP
Dozierende	Piet Van Eeuwijk	
Zeit	Th 14:15-16:00 Vesalianum, Seminarraum (O2.02)	
Beginndatum	20.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
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) Modul Theory and General Anthropology (MSF - Anthropology) Modul Ungleichheit, Konflikt, Kultur (MSF - Sociology) Modul Fields: Environment and Development (MSG - African Studies) Modul Fields: Governance and Politics (MSG - African Studies)	
Lernziele	The participants know and understand: - the fundamental contents of contemporary 'political ecology'; - anthropological approaches, perspectives and interpretations with regard to 'nature-culture' relations and 'cultural ecology'; - potential effects of current societal transformations (with main focus on Global South) on physical environment (based on actual examples); - the quality of interdependency 'social environment-physical environment' against the backdrop of these changes (in Global South and Global North, based on actual examples); - potential consequences of global environmental changes on societies who undergo these transformations (i.e. the intersection of global-local realities).	
Inhalt	Substantial societal transformations in the Global South encompass, for instance, urbanisation (linked with mobility and migration movements), reconstruction of the physical environment ('landscaping'), economic structural conversions, demographic change and processes of social reconfiguration as well as further alterations such as change of lifestyle ('urbanity') and of leisure activities (linked with tourism). In reference to these comprehensive,	



big reconfigurations political ecology postulates that ecological problems caused by these transformations have to be considered within their historical, political, economic and social context and also to be investigated against this multiple background. Thereby, the analysis of environmental complications focuses on the revealing, identification and visualisation of the (vested) interests, the power of control, the balance of power and the power relations of (directly and indirectly) involved actors and their discourses – with a commitment to a future-oriented justice, equity and sustainability.

The dynamic being inherent in these reconfigurations in societies in Asia, Africa, Latin America and Oceania shows two meaningful characteristics: 1. The very high pace of these on-going transformations; and 2. the very big number of humans being affected by these processes. It is therefore not surprising that the sustainability of (until now) existing structures and initiated developments in these countries is not ensured anymore due to the velocity of the changes and the quantity of concerned people.

The social sciences gradually begin to study and analyse the causes and the effects of these transformations in the mentioned societies. In doing so, their research perspectives shed light (up to now) on these changes only within social and cultural agentic entities (e.g. community, household) and hardly on the impact on humans' physical environment and its (mostly negative) repercussion on the societal contexts.

This course will address different actual topics in the light of sustainable development and the above-mentioned transformations as well as of political ecology, as for example: the urban space as future 'hot spot' with multiple life worlds and ways of utilization; logging, mining and oil drilling activities in sensible environments and communities: nature and culture versus the triangle 'power, politics and money'; water as important global resource and simultaneously of vital importance: whose water is it in the future?; ecotourism: its impact on natural resources and social/cultural environment – or is 'eco-' really 'eco-?'; the marine space between hope and hazard, conservation and overexploitation; 'ecohealth': health/illness in the intersection of men-nature-anthropocene; global warming: are local answers enough?; 'biofuel' and the outcomes of food for energy production: how sustainable is 'bio-?'; food and nutrition in global competition: first culture, then nature?; sustainability under high scrutiny: adjusted environment and development programmes – but whose perspective do they represent?; national parks and the power and impotence of different stakeholders; eco-labelling: a current epidemic or rational qualification?; the fate of the 'commons' – or new stimuli for a more just and fairer model of sustainability and equity?

With regard to the described transformations and general interactions 'culture-nature' this course poses four general questions:

1. Which impact do these above-stated societal transformations exert on the physical environment (man > nature)?
2. Which effects in reverse do these global or local environmental processes have on the stated societal transformations (nature > man)?
3. Which qualitative assessment and judgment is generated as well by political ecology (for instance, power structures, political economy, in/equity, historicity)?
4. Do new approaches or perspectives/viewpoints of sustainability emerge from these findings?

Literatur

Introductory Literature:

- Biersack, Aletta and Janus B. Greenberg (Eds.). 2006. Reimagining political ecology. Durham: Duke University Press.
- Bryant, Raymond L. (Ed.). 2015. The international handbook of political ecology. Cheltenham and Northampton, MA: Edward Elgar.
- Ellen, Roy and Katsuyoshi Fukui (Eds.). 1996. Redefining nature: Ecology, culture and domestication. Oxford: Berg.
- Forsyth, Tim. 2003. Critical political ecology: The politics of environmental science. London: Routledge.
- Lockyer, Joshua and James R. Veteto (Eds.). 2015. Environmental anthropology engaging ecotopia: Bioregionalism, permaculture, and ecovillages. Oxford: Berghahn.
- Neumann, Roderick P. 2016. Making political ecology. New York: Routledge.
- Peet, Richard, Paul Robbins and Michael Watts (Eds.). 2011. Global political ecology. London: Routledge.
- Perreault, Tom, Gavin Bridge and James McCarthy (Eds.). 2015. The Routledge handbook of political ecology. London: Routledge.
- Robbins, Paul. 2012. Political ecology: A critical introduction. 2nd Ed. Chichester: Wiley-Blackwell.
- Stott, Philip A. and Sean Sullivan (Eds.). 2000. Political ecology: Science, myth and power. London: Arnold.
- Zimmerer, Karl S. and Thomas J. Bassett (Eds.). 2003. Political ecology: An integrative approach to geography and environment-development studies. New York: The Guilford Press.

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	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'); MOnA is not enough. Course inscriptions in a different way then explained ARE NOT taken into account.
	Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) have priority. If you study something different you must do a master's degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies and former inscription as explained.
	MSD 2017 Students who have chosen the Focus area in Natural Sciences or in Economics must have completed the module 'Complementary knowledge in Social Sciences'. No entry requirements for students with Focus area in Social Sciences.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.. In case of vacancies the online application link remains open until the second week of teaching + 2 days. Note: Special course application and entry requirements!
Bemerkungen	Anrechnung MSD 2010 Gemäss publizierten Modulen oder mittels LC für den Vertiefungsbereich Phil.-Hist. Credit transfer MSD 2017 Credits may be transferred to the module "Focal areas in sustainability research" (learning agreement). This seminar is offered by MSD, PD Dr. P. van Eeuwijk holds a teaching assignment.

33457-01	Seminar: Water Supply and Sanitation in Subsaharian Africa: The Example of Sambia	3 KP
Dozierende	Paul Burger	
Zeit	We 08:15-10:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Irregular	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Wahlbereich Wasser (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Social Sciences (Master's Studies: Sustainable Development) Modul Theory and General Anthropology (MSF - Anthropology) Modul Fields: Environment and Development (MSG - African Studies) Modul Fields: Public Health and Social Life (MSG - African Studies) Module: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	The students - know relevant topics related to water supply and sanitation issues; - know social science based theories and approaches for analyzing these issues; - are able to analytically position the current issues within a broader sustainability perspective.	



Inhalt

Although remarkable progress has been made globally since proclaiming the Millennium Development Goals, there are still hundreds of millions without access to safe drinking water and up to 1/3 of the global population lives with no access to improved sanitation facilities. The countries of sub-Saharan Africa still have a substantial portion of them. Both, water supply and sanitation are typical sustainable development issues insofar as a) they have a direct impact on human well-being, b) they are related to scarcity (water) and to fragility (waste), c) they are elements of a matter flow-system (water system) and d) they face future challenges with according risks (e.g. ongoing population growth, climate change, pressure on land use (e.g. urbanization) intensified agriculture production etc., not to speak of mismanagement and shortage of financial means). Against this backdrop concepts like 'Integrated water resource management' or 'Ecological sanitation' offer so called sustainable solutions to improve individual well-being and to cope with sustainability. From a social science perspective there are many interesting research questions regarding water and sanitation issues, such as:

- What are cultural and religious influences impacting water supply and sanitation?
- How do the according socio-ecological systems look like? What's their governance structure?
- Does endogenous self-organization including governance, business opportunities etc. follow out of intervention projects on water supply and sanitation and if not, why?
- How could requirements for strategies such as adaptive management, societal learning processes, collective management of resources etc. be served in sub-Saharan Africa-contexts?
- In what respect does a sustainability perspective have an impact on water supply and sanitation strategies?

The focus of the seminar is on acquiring and critically assessing scientific tools for analyzing social and societal aspects of water and sanitation issues within the specific context of sub-Saharan Africa. Zambia will serve as case study.

Literatur

A list will be given 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 MOA

Hinweise zur Leistungsüberprüfung

Presentation and written essay.

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

Online, mandatory

Unterrichtssprache

English

Teilnahmevoraussetzungen

Special course inscription required for ALL (or details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students from the MSD, those of the IJSD and the listed fields of study (see modules) have priority. If you study something different you must do a master degree within the 'Faculty of Humanities and Social Sciences' and may attend the seminar in case of vacancies. Course applications in a different way than explained ARE NOT taken into account.

Entry requirements MSD 2017

Students with Focus area in Natural Sciences or in Economics must have completed the "Complementary knowledge in Social Sciences" module. Credit points are to be transferred to the "Focal Areas in Sustainability Research" module (Learning Agreement). No special entry requirements for students with Focus area in Social Sciences.

MSD 2010

MSD-Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Hist. zu absolvieren haben, müssen diese bis und mit FS 18 weitestgehend abgeschlossen haben.

Mandatory application for ALL! Link open from 14.08.18/noon - 05.09.18/midnight:

https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam

(Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on)

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

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

Bemerkungen

NOTE: Special course application required for ALL (for details see 'course application' or 'Anmeldung') and prerequisites (details see 'entry requirements').

Transfer of credit points MSD 2017



For students with Focus area in Social Sciences the seminar is optional for the "Core Competences in Social Sciences" module.
Students with Focus area in Natural Sciences or in Economics can transfer the credit points to the "Focal Areas in Sustainability Research" module (Learning Agreement). Students with the Focus area in Social Sciences may do the same.

Anrechnung im MSD 2010

Dieses Seminar ist im Wahlbereich Wasser/Bereich Phil.-Hist. publiziert. Studierende, welche die Grundlagen- und Aufbaubereiche Phil.-Hist. zu absolvieren haben, müssen diese bis und mit HS 15 weitestgehend abgeschlossen haben.

Allgemein empfehlen wir den Studierenden im MSD 2010, LV aus dem Wahlbereich erst zu belegen, wenn die KP aus den Grundlagen- und Aufbaubereichen weitestgehend erworben sind.

In Rücksprache mit P. Burger kann dieses Seminar via LC für den Vertiefungsbereich Phil.-Hist. angerechnet werden.

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

10639-01	Colloquium: Consumer Behaviour	6 KP
	Dozierende	C. Miguel Brendl
	Zeit	Tu 08:15-11:45 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32
	Beginndatum	18.09.2018
	Intervall	irregular
	Angebotsmuster	Every fall 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	To get acquainted with the area of consumer behavior and with reading academic journal articles. If you are interested in writing a master's thesis in behavioral marketing this course is highly recommended.
	Inhalt	We will cover theory from the area of Consumer Behavior. This area uses theories from psychology and develops them further in order to understand the behavior of consumers. To get an impression of the topics, look at the tables of contents of the Journal of Consumer Research or Journal of Consumer Psychology.
	Literatur	Journal articles from the academic consumer behavior literature, e.g., from the Journal of Consumer Research, the Journal of Consumer Psychology, or the Journal of Marketing Research.
	Weblink	https://adam.unibas.ch/goto_adam_crs_480685.html
	Leistungsüberprüfung	end-of-semester examination
	Skala	1-6 0,1
	Wiederholungsprüfung	no repeat examination
	An-/Abmeldung	Registration via MOA during registration period
	Hinweise zur Leistungsüberprüfung	Your grade will be based on an individual written assignment. While I will not grade participation, failure to attend class would impact your final grade negatively.
	Wiederholtes Belegen	as often as necessary
	Präsenz/E-Learning	No specific media used
	Unterrichtssprache	English
	Teilnahmevoraussetzungen	Priority is given to Master in Business and Economics students who pursue a major in Marketing and Strategic Management.
	Anmeldung zur Lehrveranstaltung	As the number of participants is restricted to 30 students, please register via the following weblink before September 11, 2018. We will admit based on a first come, first serve basis, with priority given to Master in Business and Economics students with major in Marketing and Strategic Management. You have to attend the course as of the first session. If admitted to the course please enrol in MOA: Registration = Admission to the exam. Click here to register for the course: https://www.unibas.ch/qualtrics.com/jfe/form/SV_1LnsXIT99hQUxVz



Bemerkungen	We will meet in irregular intervals, and then typically for blocks of 3 hours of instruction (4 Lektionen). The specific class times will be posted before September 11 on the following site: https://adam.unibas.ch/goto_adam_crs_480685.html
	For each 3-hour session anticipate to read one journal article at a level that you can discuss its details in class.

48409-01	Colloquium: Corporate Social Responsibility	3 KP
Dozierende	Georg von Schnurbein	
Zeit	Tu 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Labor Economics, Human Resources and Organization (Master Business and Economics)	
Lernziele	- Verständnis der zentralen Konzepte und Methoden von CSR - Anwendung und Diskussion neuester Forschungsergebnisse - Analyse der praktischen Umsetzung von CSR anhand von Fallbeispielen	
Inhalt	Corporate Social Responsibility (CSR) ist in der Unternehmensführung längst mehr geworden als ein Schönwetter-Thema. Heute wird die gesellschaftliche Verantwortung von Unternehmen vor allem in den drei Bereich Ecological, Social und Governance bewertet. Die sogenannten ESG-Faktoren dienen als Grundlage für strategische Entscheidungen, Marketing-Aktionen sowie Firmenbewertungen an Finanzmärkten. In diesem Kolloquium werden aktuelle wissenschaftliche Ergebnisse zu CSR und Fallbeispiele behandelt.	
Literatur	Basisliteratur: Haski-Leventhal, D.: Strategic Corporate Responsibility, Sage, 2018 Weiterhin wird eine Literaturliste mit aktuellen Forschungsartikeln zu Beginn des Kolloquium bekanntgegeben.	
Weblink	www.ceps.unibas.ch/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	Die Leistungsüberprüfung ist ein max. 5seitiger Diskussionsbeitrag zu einem aktuellen Forschungsartikel	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	German	
Anmeldung zur Lehrveranstaltung	Anmeldung per Email an alice.hengevoss@unibas.ch spätestens bis zum 17.09.2018. Die Veranstaltung ist auf maximal 20 Personen beschränkt. Die Anmeldung ist verbindlich. Wer zugelassen wird, belegt die Veranstaltung bitte rechtzeitig auch in MOnA. Eucor-Studierende und Studierende anderer CH-Universitäten müssen innerhalb der Belegfrist mit einem Hörschein beim Studiensekretariat im Kollegienhaus belegen. Für alle gilt: Belegen = Anmeldung zur Prüfung.	
Bemerkungen	Es besteht eine begrenzte Anzahl an Teilnehmenden von max. 20 Personen.	

41684-01	Colloquium: Modeling in Environmental and Energy Economics	3 KP
Dozierende	Frank Christian Krysiak Hannes Weigt	
Beginndatum	17.09.2018	
Intervall	irregular	
Angebotsmuster	Every fall 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)) 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: Preparation Master's Thesis in Economics (Master's Studies: Sustainable	



	Development) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Specialization Module: Markets and Public Policy (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	This course shows how to build environmental and energy economic models and use them to answer policy questions. Students will (in groups) go through the steps of developing and analyzing their own model and interpreting its results.
Inhalt	This course focuses on model building in environmental and energy economics. We discuss the purpose of economic models, types of models, approaches for setting up theoretical and numerical models, solving those models, and interpreting their results. During the course, groups of students will jointly build a simple model and use it to answer an assigned research question.
Literatur	The course consists of online material and supervised group work.
Weblink	All texts and materials (videos) are delivered through an online platform. https://www.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	Performance will be assessed through an essay that describes the model that has been built and its results.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Basic knowledge in economics (intermediate microeconomics or equivalent). Some background in environmental or energy economics is recommended.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

14255-01 + Lecture: Advanced Environmental Economics

3 KP

Dozierende	Frank Christian Krysiak
Zeit	Fr 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
Beginndatum	21.09.2018
Intervall	weekly
Angebotsmuster	Every fall 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)) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (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: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	The course will provide -) an overview over central topics in environmental economics and environmental policy; -) training in how to set up, analyze and interpret environmental economic models; -) the necessary concepts and tools to read and understand current research papers in environmental economics; -) competences for assessing current environmental policy and appreciating the problems raised by complications, such as missing cost/benefit information or strategic firm behavior.
Inhalt	This course addresses topics from current research in environmental economics. The focus is on designing environmental policy with most applications stemming from climate and energy policy.

The course will cover three important elements of designing environmental policy:

- 1) The ability to cope with complications in the short run, such as missing information about costs and benefits, market power or imperfect compliance;
- 2) The influence of policy on technological change in the long run;
- 3) The evaluation of policy targets: How to set policy targets under uncertainty about costs and benefits.

The course will commence with simple problems, as they are discussed in a typical BA course on environmental economics, and will progress to more complex settings found in many applications. We will discuss a range of policy instruments used in climate and energy policy and investigate how they need to be adjusted for being able to cope with real-world complexities.

Most parts of the course will be based on environmental economic theory, that is, we will capture the essence of an environmental problem in a model and investigate potential solutions in this context. In addition, we will discuss several current Swiss and European issues of environmental policy.

In this course, active participation is essential. Students are expected to read one paper before each lecture and we will discuss the main argument made in the paper as well as applications and extensions in class.

The course is complemented by an online course (MOOC), where we discuss environmental and energy economic modeling and where students build and analyze their own model. It is recommended to enrol in both courses.

Literatur

The course is based mostly on research papers. A reading list will be distributed at the start of the term. Students are required to read about one paper per week.

In addition, we will use small parts of the text book A. Xepapadeas (1997), "Advanced Principles in Environmental Policy", Edward Elgar. (The book is available in the library; due to its price, I do not recommend to buy it.)

Students who are not yet familiar with basic concepts of environmental economics, might benefit from preparing for this course by studying the environmental economics part of R. Perman, Y. Ma, J. McGilvray und M. Common (2003), "Natural Resource and Environmental Economics", 3rd oder 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 MOOnA during registration period

Hinweise zur Leistungsüberprüfung

Performance will be assessed via a written exam at the end of the term.

Exam:

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Advanced students from other programs are admitted, if they have sufficient training in microeconomics and mathematics. Some background in environmental economics is recommended but not required.

Anmeldung zur Lehrveranstaltung

The course is coupled to the online course "MOOC: Modeling in Environmental and Energy Economics" and it is recommended to do both courses during the same term.

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

41956-01 Lecture: Advanced Public Economics: Behavioral Models and Applications 3 KP

Dozierende

Beat Hintermann

Beginndatum

17.09.2018

Intervall

weekly

Angebotsmuster

Every fall sem.

Anbietende Organisationseinheit

Faculty of Business and Economics



Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Markets and Public Policy (Master Business and Economics)
Inhalt	<p>DESCRIPTION AND OBJECTIVES: The course investigates public economics under the assumption of non standard agents. Students will explore three fundamental aspects of this discipline: how relaxing the assumption of neoclassical economics can modify the role of government and its intervention; how to curb externalities and finance public goods under non-standard agents; and how the main results in public finance are altered. The course is divided into THREE parts: i) behavioral biases and paternalistic temptation, ii) motivation, iii) social preferences and public goods.</p> <p>The first part of the course focuses on behavioral biases and provides insights on paternalistic regulation. Students will be familiarized with behavioral biases. The nudges will be studied with a special focus on health and energy. The concept of salience, mainly developed by Chetty, will be introduced and we will examine whether salience means a need of information or a new form of paternalism. Then, we will focus on Fahri and Gabaix (2015) who develop a theory of optimal taxation with behavioral agents.</p> <p>The second part is dedicated to motivation and to the crowding-out effect. After defining the crowding out effect, several evidence of such an effect will be studied and we will analyze Benabou and Tirole which provide economic explanations of crowding-out effect.</p> <p>The third part is devoted to social preferences and public goods. Evidence of social preferences will be presented with two main explanations - the warm-glow and the norms - and applied to the provision of public goods. Finally, we will explore the decision of tax evasion under social interactions.</p>
Literatur	<p>TEXTBOOK: The course will be based on the following book: Policy and choice / William J. Congdon, Jeffrey R. Kling, Sendhil Mullainathan. Washington, D. C. : Brookings Institution Press, 2011.</p>
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	There is an exam of 2 hours at the end of the semester.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	This course will likely be taught by Dr. Jean-Philippe Nicolai, contingent on the approval of a pending research proposal. Should the proposal be rejected, the course will be taught by Prof. B. Hintermann.

12036-01	Lecture: Econometrics	6 KP
Dozierende	Anja Roth Kurt Schmidheiny	
Zeit	Mo 10:15-12:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) We 10:15-12:00 Chemie, Organische, Grosser Hörsaal OC	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) (Pflicht) 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)	



	Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development)
Lernziele	This course provides students with the basic econometric tools for cross-section and panel data. It is an applied course preparing students to both conduct own empirical research projects and assess empirical research papers. Each of the discussed tools will be implemented using standard statistical software (Stata or R) and real world data. Students will learn how to choose the adequate statistical method, discuss its identifying assumptions, correctly interpret its results and to translate them into economically meaningful answers. This course is supplemented by the course "Fundamentals of Econometric Theory" (41957) which provides formal proofs and additional results.
Inhalt	Outline: 1. Causal effects and the logic of randomized experiments 2. Linear regression: Estimation, small and large sample properties, hypothesis testing, omitted variable bias, model selection, functional form, heteroscedasticity, autocorrelation, clustering 3. Instrumental variable estimation: Estimation, identification, weak instruments 4. Panel data: fixed effects, random effects 5. Maximum likelihood estimation 6. Binary choice: probit and logit
Literatur	Any textbook in econometrics covers the topics developed in this course. The technical level of this course will be closer to the introductory text- books. However, students with a strong mathematical background may find the advanced textbook more appropriate. The two companions are not self-contained textbooks but useful to deepen the intuitive understanding. Introductory textbook: - Stock, James H. and Mark W. Watson (2015), Introduction to Econometrics, updated 3rd ed., Pearson. Advanced textbooks: - Cameron, A. Colin and Pravin K. Trivedi (2005), Microeconometrics: Methods and Applications, Cambridge University Press. - Davidson, Russell and James G. MacKinnon (2004), Econometric Theory and Methods, Oxford University Press. - Hayashi, Fumio (2000), Econometrics, Princeton University Press. - Wooldridge, Jeffrey M. (2002), Econometric Analysis of Cross Section and Panel Data, MIT Press. Companion textbooks: - Angrist, Joshua D. and Jorn-Steffen Pischke (2009), Mostly Harmless Econometrics: An Empiricist's Companion, Princeton University Press. - Kennedy, Peter (2008), A Guide to Econometrics, 6th ed., Blackwell Publishing.
Weblink	https://www.unibas.ch/de/applieconometrics/
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	There will be a final exam and eight online tests. The online tests will be graded on a pass / fail basis. You must pass at least five out of the eight online tests in order to be allowed to the final exam. If you do not fulfill this requirement, you will be excluded from the final exam and deregistered from the course in MONA. The grade will solely be determined by the final exam. written exam:
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Prerequisites: Completed BA in Business and Economics and basic knowledge in statistics, particularly the linear regression model
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	Students who plan to take other courses in econometrics (Microeconometrics I and II, Time Series Analysis I and II) should follow the course "Fundamentals of Econometric Theory" (41957) along with "Econometrics" (12036).



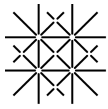
Zeit	Th 16:30-18:15 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
Beginndatum	20.09.2018
Intervall	weekly
Angebotsmuster	Every fall sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Economics (Master's Studies: Sustainable Development) 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: Vertiefung Politikwissenschaft M.A. (MSF - Political Science)
Lernziele	The goal of this course is to understand relevant energy- and climate-policy issues based on current policy debates, and aims to understand the formation of policy preferences in citizens' minds.
Inhalt	We learn about on-going policy debates and academic research regarding (a) how people perceive these risks, benefits and costs associated with climate and energy policy, (b) what might be reasons for different perceptions across individuals, and (c) how these perceptions might influence their support and acceptance of new policies. We adopt theoretical frameworks from broader disciplines including economics, political science and psychology. Along the course, we also pay close attention to measuring techniques to analyze public opinion in- and outside these issue domains.
Literatur	Reading materials are mainly from published scholarly articles and reports by international organizations. All relevant reading materials will be provided for download.
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	(1) Written final exam: you will take a 75-minute written exam during the university's final exam period after the semester. The exam consists of (a) true-false, (b) multiple-choice, (c) short-answer, and (d) open-ended questions. The questions should be answered in English; however, grammatical elements are of less importance in earning points. (2) Research design (group) exercise at the end of the semester.
Wiederholtes Belegen	written exam: as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	No special requirements. However, some knowledge about intro statistics will be helpful.
Anmeldung zur Lehrveranstaltung	Course registration: please enrol in MOnA: Eucor students enrol at the Students Services at Petersplatz 1 within the registration deadline. Registration = Admission to the exam

34505-01	Lecture: Environmental Law and Public Policy. Risk and Regulation	3 KP
Dozierende	John Wargo	
Zeit	Mo 09:45-12:15 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
Beginndatum	06.08.2018	
Intervall	Block	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Module: Electives (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)	
Inhalt	Content: This graduate seminar will explore key trends and challenges in the global food sector related to environmental quality and human health. We will focus on corporate innovation, government regulation, and third-part certification programs. Comparisons will be made among Swiss, EU, and US laws, regulations and corporate policies. Students will examine prohibitive policies, cost-benefit balancing standards, risk ceilings, contamination limits, tax policies, labeling/warning requirements, public subsidies, trade barriers, and certification standards. Students will learn to evaluate the effectiveness of law and policy, and	



	to judge the quality and uncertainty of scientific evidence used to claim that a risk is significant. Each topic will explore how environmental and health risks are assessed, the current legal and policy context, and alternative government and corporate strategies that might reduce negative externalities.
Literatur	tba
Weblink	https://www.unibas.ch/de/courses2018/34505-environmental-law-and-public-policy-risk-and-regulation/
Leistungsüberprüfung	end-of-semester examination
Skala	1-6 0,1
Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration/deregistration: faculty
Hinweise zur Leistungsüberprüfung	Take-Home Exam - all details will be announced in the course
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Recommended Prerequisites: Solid understanding of business and economics on the BA level Completion of an introductory course in law (BA) would be helpful Introduction to Environmental Economics (Umwelt- und Ressourcenökonomie, 10160) Public Choice and Public Economics (10148)
Anmeldung zur Lehrveranstaltung	Please apply at the latest until 31 May 2018 by email to summerschool-wwz@unibas.ch . All further information can be found on the website of the Summer School.
Bemerkungen	Time schedule: Monday 06.08.2018: 09.45-12.15 Tuesday 07.08.2018: 09.45-12.15 Wednesday 08.08.2018: 09.45-12.15 Thursday 09.08.2018: 09.45-12.15 Monday 13.08.2018: 09.45-12.15 Tuesday 14.08.2018: 09.45-12.15 Wednesday 15.08.2018: 09.45-12.15 Thursday 16.08.2018: 09.45-12.15

41957-01	Lecture: Fundamentals of Econometric Theory	3 KP
Dozierende	Kurt Schmidheiny	
Zeit	Tu 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Auditorium	
Beginndatum	18.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: Areas of Specialization in International and/or Monetary Economics (Master International and Monetary Economics) Specialization Module: Quantitative Methods (Master Business and Economics)	
Lernziele	This course is a supplement to the course "Econometrics" (12036) for ambitious students. The course follows the topics of Econometrics every week providing formal proofs and additional results using matrix algebra and asymptotic theory. The course is the basis for the more advanced MSc courses in econometrics (Microeconometrics I and II, Time Series Analysis I and II).	
Inhalt	<ol style="list-style-type: none"> 1. Elements of matrix algebra: basic operations, trace, rank, inverse, eigenvalue and spectral decomposition 2. Elements of probability theory: random variables, joint, conditional and marginal distribution, expected value and other moments, change of variables 3. Elements of statistics: point estimation, interval estimation, hypothesis testing, large sample theory 4. The algebra of the multivariate linear regression: degrees of freedom, Gauss-Markov theorem, Frisch-Waugh-Lovell theorem 5. The algebra of instrumental variable estimation 6. The algebra of basic panel data methods: within and between transformation, testing for unrelated effects under non-spherical disturbances 7. Maximum Likelihood Estimation 8. Binary choice as an example of deriving estimators and their properties using maximum likelihood 	



Literatur	- Amemiya, Takeshi (1994), Introduction to Statistics and Econometrics, Harvard University Press. - Cameron, A. Colin and Pravin K. Trivedi (2005), Microeconometrics: Methods and Applications, Cambridge University Press. - Davidson, Russell and James G. MacKinnon (2004), Econometric Theory and Methods, Oxford University Press. - Hayashi, Fumio (2000), Econometrics, Princeton University Press. - Wooldridge, Jeffrey M. (2002), Econometric Analysis of Cross Section and Panel Data, MIT Press.
Weblink	http://www.schmidheiny.name/teaching/unibas/fundamentals/end-of-semester-examination
Leistungsüberprüfung	1-6 0,1
Skala	no repeat examination
Wiederholungsprüfung	Registration via MOOnA during registration period
An-/Abmeldung	written exam:
Hinweise zur Leistungsüberprüfung	as often as necessary
Wiederholtes Belegen	No specific media used
Präsenz/E-Learning	English
Unterrichtssprache	Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Anmeldung zur Lehrveranstaltung	

31960-01	Lecture: Microeconomics and Psychology of Decision Making	6 KP
Dozierende	C. Miguel Brendl Ulf Schiller	
Zeit	We 14:15-16:00 Kollegienhaus, Aula 033 Th 14:15-16:00 Chemie, Organische, Grosser Hörsaal OC As the course does not always take place in the same room, please check for the respective roomreservations just below:	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) (Pflicht) Core Module: Business (Master Business and Economics) 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)	
Inhalt	Content: The course focuses on human decision behavior, from the perspectives of, both, advanced microeconomics and psychology (without presupposing prior study of it). We illustrate how the same theory is relevant to different disciplines, such as Accounting, Finance, Human Resource Management, Marketing, and Organization Studies. With exceptions, such as Prospect Theory, economics and psychology have had surprisingly little mutual influence. However, interest in an interdisciplinary approach has grown considerably, and this course, being unique in the university landscape, is a response to these developments. We start with the classical microeconomic theory, which is free from logical flaws, because it rests on a set of well specified axioms. Yet, there are many examples where the theory makes "strange" predictions that are not only inconsistent with lay intuition but also with psychological experiments. Psychology on the other hand is focused on experimental methodology and narrow hypotheses that are consistent with experiments, but at the cost of being ill-specified and not allowing for one coherent theory. Studying both approaches will put you in a better position to recognize when each is appropriate, and when it is not.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	end-of-semester examination	
Skala	1-6 0,1	



Wiederholungsprüfung	no repeat examination
An-/Abmeldung	Registration via MOnA during registration period
Hinweise zur Leistungsüberprüfung	Written exam: Students' performance in parts 1 (Schiller) & 2 (Brendl) will be jointly graded. There will be no separate grade for either part 1 or part 2. The grade is based on the geometric mean of the points achieved in either part. The practical implication for you is that achieving a good grade requires that you perform well in both parts of the lecture. Date:
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Prerequisites: Completed Bachelor in Business and Economics
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	If the lecture 31960 Advanced Economic Theory/Advanced Microeconomics is already successfully completed, it is not possible to gain further credits with this lecture. For all MIME students: This lecture can be substituted in the Module 1: Advanced Topics in Economics with the lecture 40106 Game Theory and the Theory of the Firm which is taught in spring term.

28953-01 + Lecture: Resource Economics 3 KP

Dozierende	Anton Bondarev
Zeit	Th 12:15-13:45 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
Beginndatum	20.09.2018
Intervall	weekly
Angebotsmuster	Every fall sem.
Anbietende Organisationseinheit	Faculty of Business and Economics
Module	Modul Wahlbereich Wasser (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Core Competences in Economics (Master's Studies: Sustainable Development) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	The course will enable students to model and analyze resource systems with methods that are commonly used in scientific studies. Furthermore, students will learn to transfer model results to actual problems of environmental policy and will be introduced to the scientific literature. The main focus will be on modeling and analyzing dynamic resource systems. Students will learn how to model different types of resource systems and how to gain useful insights from the models. The course will cover fairly complex resource systems. However, it does not emphasize advanced theoretical tools but rather the process of modeling and analyzing resource systems.
Inhalt	This course introduces models and methods from resource economics at the example of water management. It covers the theory of exhaustible and renewable resources, analysis of dynamic systems, optimal control theory, aquifer management, river basin management, and management of complex resource systems.
Literatur	The course is based on journal papers. A list of the covered papers will be distributed during the first week.
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

BA in Business und Economics or comparable background. This is an advanced course, a good background in microeconomics and some affinity to math are expected. A background in environmental economics is helpful but not required.

Anmeldung zur Lehrveranstaltung

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

Module: Preparation Master's Thesis in Social Sciences

52315-01	Colloquium: Sustainability Science Research (social dimension)	1 KP
Dozierende	Paul Burger	
Zeit	Th 16:15-18:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
Beginndatum	20.09.2018	
Intervall	weekly	
Angebotsmuster	Once only	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) Module: Preparation Master's Thesis in Social Sciences (Master's Studies: Sustainable Development)	
Lernziele	Die Teilnehmenden haben ihre Kenntnisse zu inhaltlichen und methodischen Aspekten von gesellschaftswissenschaftlich orientierter Nachhaltigkeitsforschung vertieft.	
Inhalt	Auf der Basis von Präsentationen zu laufenden Forschungsprojekten (Masterarbeiten, Promotionen etc.) werden inhaltliche und methodische Fragen aktueller disziplinärer und interdisziplinärer Nachhaltigkeitsforschung analysiert und diskutiert. Das detaillierte Programm wird an der ersten Sitzung festgelegt.	
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 MOnA	
Hinweise zur Leistungsüberprüfung	Vortrag/Preseation	
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 kann nach Rücksprache mittels LC für den Vertiefungsbereich der Phil.-Hist. 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	Dates tba	
Beginndatum	17.09.2018	
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 MSD students for the "Preparation Master's Thesis" modules. Students with Focus area in Natural Science have to list this course in the Learning Agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. For MSD students who are planning to start the Master's Thesis by the end of the teaching period of fall semester 2018.
Anmeldung zur Lehrveranstaltung	Mandatory course inscription for ALL, link will be published in case of potential candidates. In the meantime, please register on MOOnA as soon as possible. NOTE: Be aware of special entry requirements. Course registration via MOOnA remains mandatory for all participants.
Bemerkungen	Teaching structure 1) General part consisting of 2 lessons à 2 hrs (schedule tba); 2) individual coaching (meetings students-teacher are organized individually) 3) final feed-back session (schedule tba). 1. meeting: ddmmyy: hh; Seminarraum 02.02, Vesalianum 2. meeting: ddmmyy: hh; Seminarraum 02.02, Vesalianum



Meeting for final session tba.

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

46737-01	Seminar: Experimental Research Methods in Social Science	3 KP
Dozierende	Iljana Schubert	
Zeit	24.9., 8.10., 22.10., 5.11., 19.11., 3.12., 17.12., 12:15-16:00	
Beginndatum	17.09.2018	
Intervall	irregular	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung	
Module	Modul Kernbereich Gesellschaftswissenschaftliche Nachhaltigkeitsforschung (Master's Studies: Sustainable Development (Start of studies before 01.08.2017)) 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) Module: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	To understand what experimental research methods are and how to design experiments in social sciences. Gain some experience designing experiments, collecting some data and understanding basic analysis.	
Inhalt	This seminar will teach different experimental research techniques, such as lab experiments, field experiments and survey experiments, in the social sciences. It will include practical aspects which will focus on design, data collection and basic data analysis. Each of the 7 seminar blocks will be divided into individual presentations and group work to develop, collect data on and analyse a small scale experiment within groups of 2-4 people.	
Literatur	tba	
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. Individual presentation and small group experimental research project report.	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	Online, mandatory	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Prior experience with statistical software (e.g. SPSS) as well as prior knowledge of univariate statistics and basic knowledge of ANOVA or OLS regression is expected. Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Course inscriptions in a different way then explained ARE NOT taken into account. Limited number of participants (25), Students of the MSD and those of the mentioned fields of study (see list of modules) 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 and former inscription as explained.	
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 14.08.18y/noon - 05.09.18/midnight https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam (Login on top row right hand side of ADAM website; list of forms available from 14.08.18/noon on) NOTE: Be aware of special entry requirements. Course inscription via MOnA remains	

mandatory for all participants..

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

Bemerkungen

Note: Special course inscription and entry requirements!

Anrechnung MSD 2010

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

This seminar is offered by MSD, Dr. I. Schubert is member of the Sustainability Research Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences.

31938-01	+ Seminar: Qualitative Data Analysis in African Studies	3 KP
	Dozierende	Elisio Macamo
	Zeit	We 10:00-12:00 Rheinsprung 21, Seminarraum 00.004
	Beginndatum	19.09.2018
	Intervall	weekly
	Angebotsmuster	Every fall sem.
	Anbietende Organisationseinheit	Fachbereich Soziologie
	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 Methoden der Geschlechterforschung: Empirische Sozialforschung (BSF - Gender Studies) Modul: Wissenschaftliches Arbeiten und Methoden der Politikwissenschaft (BSF - Political Science) Modul Methoden der Soziologie: qualitativ (MSF - Sociology) Modul Fields: Knowledge Production and Transfer (MSG - African Studies) Modul Research Skills (MSG - African Studies)
	Lernziele	Students learn the methods of qualitative data analysis by apprehending the following skills: - Differentiate qualitative analysis procedures from quantitative analysis - Preparing empirical data for qualitative analysis - Identifying correct approaches in accordance to your empirical data and research question - Analyzing qualitative data Studierende werden mit den Methoden der qualitativen Analyse vertraut gemacht. Sie sollen die Fähigkeit erwerben: - Qualitative Analyseverfahren in ihrer Eigenart von quantitativen Analyseverfahren zu unterscheiden; - Empirische Daten für die qualitative Analyse vorzubereiten; - Passende Ansätze der qualitativen Datenanalyse für Datenmaterial und Fragestellung zu identifizieren; - Daten qualitativ auszuwerten.
	Inhalt	The course introduces students to the tools and methodologies of qualitative research and its epistemological foundations. Participants will collect data, that is going to be used during the course to illustrate the different steps of analyzing qualitative data: compiling, disassembling and reassembling data; recombining data segments and finally the construction of typologies. A special emphasis is put on the techniques of transcribing, coding and categorizing, that are going to be applied for the purpose of practicing. Das Seminar wird in englischer Sprache durchgeführt. Es führt die Studierenden in die Erkenntnistheorie, Techniken und Verfahren der qualitativen Datenanalyse ein. Grundlage für das Seminar werden Daten bilden, die im Rahmen der Lehrveranstaltung erzeugt werden und dazu eingesetzt werden sollen, wichtige Schritte der qualitativen Auswertung zu veranschaulichen: die Aufbereitung von Daten; das Auseinandernehmen von Daten; die Zusammenführung von Datensegmenten und, schliesslich, die Typenbildung. Besonders betont werden Techniken des Transkribierens, Kodierens und der Kategorienbildung, die mit den im Rahmen der Veranstaltung erzeugten Daten Gegenstand von praktischen Übungen sein werden.
	Literatur	Creswell, John W. 2007: Qualitative Inquiry and Research Design – Choosing among Five Approaches. Sage. London. Dey, Ian 1993: Qualitative Data Analysis – A User-Friendly Guide for Social Scientists. Routledge. London. Miles, Matthew, B. Huberman, Michael A. An Expanded Sourcebook – Qualitative Data



Leistungsüberprüfung	Analysis. Sage. London.
Skala	Saldana, Johnny 2009: The Coding Manual for Qualitative Researchers. Sage. London.
Wiederholungsprüfung	Yin, Robert K. 2011: Qualitative Research from Start to Finish. The Guildford Press. New York
An-/Abmeldung	continuous assessment
Hinweise zur Leistungsüberprüfung	Pass / Fail
Wiederholtes Belegen	no repeat examination
Präsenz/E-Learning	Reg.: course registration; dereg.: not required
Unterrichtssprache	Presentation
Bemerkungen	as often as necessary
	No specific media used
	English
	Gilt für Soziologiestudierende als QL II Veranstaltung.

48555-01	Seminar: Research Methods in Political Science	3 KP
Dozierende	Florian Weiler	
Zeit	Mo 10:00-12:00 Bernoullistrasse 14/16, Seminarraum 02.004	
Beginndatum	17.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Politikwissenschaft	
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 Fields: Knowledge Production and Transfer (MSG - African Studies) Module: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)	
Lernziele	- Learn the most important statistical estimation techniques for political scientists - Learn how to use model diagnostics to improve the model - Learn how to graphically represent the model to better convey the results to the audience during presentations or to readers in papers	
Inhalt	This course is designed for students interested in quantitative research methods and statistical analysis who already possess some basic knowledge about statistics and, if possible, regression analysis. In the first three weeks of the course, we revisit some of the fundamentals of statistical inference (such as the Central Limit Theorem, hypotheses tests, etc.) to offer students with limited statistical background the possibility to catch up with the required knowledge. In the following part of the course we will discuss the basics of statistical modelling, i.e. what is a model, how does it relate to the data generating process, and which are the elements needed in each statistical model. After this short theoretical part, we will cover the classical linear regression model, the assumptions we make when running such a model, and how violations of these assumptions can be detected and fixed. Next, we will discuss maximum likelihood estimation and then apply this technique to binary and categorical dependent variables (logit, probit, count models, etc.). In all these parts of the course, we will discuss how to improve the basic models. The focus of the course is not in mathematics, but to give students an intuition of how the different modelling techniques actually work. In addition, the course will be very hands-on and application-oriented. Thus, at the end of the course participants should be able to apply the covered material to their own research. In addition, students should learn how to graphically present the results of the models for professional publications.	
Literatur	- Wooldridge, Jeffrey M. (2002). Introductory Econometrics. A Modern Approach. Mason, OH: Cengage Learning. - Fox, John (2008). Applied Regression Analysis. Los Angeles, London: Sage. - Fox, John and Sanford Weisberg (2011). An R Companion to Applied Regression. Los Angeles, London: Sage. - Agresti, Alan and Barbara Finlay (2009): Statistical Methods for the Social Sciences. Upper Daddle River, NJ: Pearson Prentice Hall.	
Leistungsüberprüfung	continuous assessment	
Skala	Pass / Fail	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg.: course registration; dereg.: not required	
Hinweise zur Leistungsüberprüfung	Term paper (50%), 3 problem sets (50%)	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	

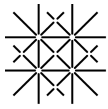


Teilnahmevoraussetzungen	Knowledge of introductory statistics (In the first three weeks of the course, we revisit some of the fundamentals of statistical inference (such as the Central Limit Theorem, hypotheses tests, etc.) to offer students with limited statistical background the possibility the catch up with the required knowledge.)
Anmeldung zur Lehrveranstaltung	durch Belegen in MOA

49855-01	Tutorial: Research Methods in Political Science	2 KP
Dozierende	Manuel Hürlimann Dora Schweighoffer	
Zeit	Th 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37	
Beginndatum	20.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Fachbereich Politikwissenschaft	
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 Fields: Knowledge Production and Transfer (MSG - African Studies)	
Leistungsüberprüfung	continuous assessment	
Skala	Pass / Fail	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Reg.: course registration; dereg.: not required	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Anmeldung zur Lehrveranstaltung	durch Belegen in MOA	

Module: Preparation Master's Thesis in Economics

41684-01	Colloquium: Modeling in Environmental and Energy Economics	3 KP
Dozierende	Frank Christian Krysiak Hannes Weigt	
Beginndatum	17.09.2018	
Intervall	irregular	
Angebotsmuster	Every fall 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)) 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: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development) Specialization Module: International Trade, Growth and the Environment (Master Business and Economics) Specialization Module: Markets and Public Policy (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)	
Lernziele	This course shows how to build environmental and energy economic models and use them to answer policy questions. Students will (in groups) go through the steps of developing and analyzing their own model and interpreting its results.	
Inhalt	This course focuses on model building in environmental and energy economics. We discuss the purpose of economic models, types of models, approaches for setting up theoretical and numerical models, solving those models, and interpreting their results. During the course, groups of students will jointly build a simple model and use it to answer an assigned research question.	
Literatur	The course consists of online material and supervised group work.	
Weblink	All texts and materials (videos) are delivered through an online platform. https://www.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	Performance will be assessed through an essay that describes the model that has been built and its results.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Basic knowledge in economics (intermediate microeconomics or equivalent). Some background in environmental or energy economics is recommended.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

49078-01	Course: Research Design Master's Thesis	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak	
Zeit	Dates tba	
Beginndatum	17.09.2018	
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 MOnA	



Hinweise zur Leistungsüberprüfung	Outline of the planned master's thesis' research design.
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	No specific media used
Unterrichtssprache	English
Teilnahmevoraussetzungen	Exclusively for MSD students.
	Mandatory course for all MSD students for the "Preparation Master's Thesis" modules. Students with Focus area in Natural Science have to list this course in the Learning Agreement for their "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. For MSD students who are planning to start the Master's Thesis by the end of the teaching period of fall semester 2018.
Anmeldung zur Lehrveranstaltung	Mandatory course inscription for ALL, link will be published in case of potential candidates. In the meantime, please register on MOA as soon as possible. NOTE: Be aware of special entry requirements. Course registration via MOA remains mandatory for all participants.
Bemerkungen	Teaching structure 1) General part consisting of 2 lessons à 2 hrs (schedule tba); 2) individual coaching (meetings students-teacher are organized individually) 3) final feed-back session (schedule tba). 1. meeting: ddmmy: hh; Seminarraum 02.02, Vesalianum 2. meeting: ddmmy: hh; Seminarraum 02.02, Vesalianum Meeting for final session tba. This course is offered by MSD, Prof. Dr. Patricia Holm, Paul Burger and Frank Krysiak (lead). They are heading the MSD teaching committee.

14255-01 + Lecture: Advanced Environmental Economics 3 KP

Dozierende	Frank Christian Krysiak
Zeit	Fr 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31
Beginndatum	21.09.2018
Intervall	weekly
Angebotsmuster	Every fall 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)) Modul Kernbereich Wirtschaftswissenschaften für Fortgeschrittene (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: International Trade, Growth and the Environment (Master Business and Economics) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Master's Studies: European Global Studies)
Lernziele	The course will provide -) an overview over central topics in environmental economics and environmental policy; -) training in how to set up, analyze and interpret environmental economic models; -) the necessary concepts and tools to read and understand current research papers in environmental economics; -) competences for assessing current environmental policy and appreciating the problems raised by complications, such as missing cost/benefit information or strategic firm behavior.
Inhalt	This course addresses topics from current research in environmental economics. The focus is on designing environmental policy with most applications stemming from climate and energy policy. The course will cover three important elements of designing environmental policy: 1) The ability to cope with complications in the short run, such as missing information about costs and benefits, market power or imperfect compliance;



- 2) The influence of policy on technological change in the long run;
- 3) The evaluation of policy targets: How to set policy targets under uncertainty about costs and benefits.

The course will commence with simple problems, as they are discussed in a typical BA course on environmental economics, and will progress to more complex settings found in many applications. We will discuss a range of policy instruments used in climate and energy policy and investigate how they need to be adjusted for being able to cope with real-world complexities.

Most parts of the course will be based on environmental economic theory, that is, we will capture the essence of an environmental problem in a model and investigate potential solutions in this context. In addition, we will discuss several current Swiss and European issues of environmental policy.

In this course, active participation is essential. Students are expected to read one paper before each lecture and we will discuss the main argument made in the paper as well as applications and extensions in class.

The course is complemented by an online course (MOOC), where we discuss environmental and energy economic modeling and where students build and analyze their own model. It is recommended to enrol in both courses.

Literatur

The course is based mostly on research papers. A reading list will be distributed at the start of the term. Students are required to read about one paper per week.

In addition, we will use small parts of the text book A. Xepapadeas (1997), "Advanced Principles in Environmental Policy", Edward Elgar. (The book is available in the library; due to its price, I do not recommend to buy it.)

Students who are not yet familiar with basic concepts of environmental economics, might benefit from preparing for this course by studying the environmental economics part of R. Perman, Y. Ma, J. McGilvray und M. Common (2003), "Natural Resource and Environmental Economics", 3rd oder 4th Edition, Pearson Education.

Weblink

<https://wwz.unibas.ch/de/umweltoekonomie/lehre/>
end-of-semester examination

Leistungsüberprüfung

1-6 0,1

Skala

Wiederholungsprüfung

no repeat examination

An-/Abmeldung

Registration via MOnA during registration period

Hinweise zur Leistungsüberprüfung

Performance will be assessed via a written exam at the end of the term.
Exam:

Wiederholtes Belegen

as often as necessary

Präsenz/E-Learning

No specific media used

Unterrichtssprache

English

Teilnahmevoraussetzungen

Advanced students from other programs are admitted, if they have sufficient training in microeconomics and mathematics. Some background in environmental economics is recommended but not required.

Anmeldung zur Lehrveranstaltung

The course is coupled to the online course "MOOC: Modeling in Environmental and Energy Economics" and it is recommended to do both courses during the same term.

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

12036-01	Lecture: Econometrics		6 KP
	Dozierende	Anja Roth Kurt Schmidheiny	
	Zeit	Mo 10:15-12:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16) We 10:15-12:00 Chemie, Organische, Grosser Hörsaal OC	
	Beginndatum	19.09.2018	
	Intervall	weekly	
	Angebotsmuster	Every fall sem.	
	Anbietende Organisationseinheit	Faculty of Business and Economics	



Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) (Pflicht) 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) Module: Preparation Master's Thesis in Economics (Master's Studies: Sustainable Development)
Lernziele	This course provides students with the basic econometric tools for cross-section and panel data. It is an applied course preparing students to both conduct own empirical research projects and assess empirical research papers. Each of the discussed tools will be implemented using standard statistical software (Stata or R) and real world data. Students will learn how to choose the adequate statistical method, discuss its identifying assumptions, correctly interpret its results and to translate them into economically meaningful answers. This course is supplemented by the course "Fundamentals of Econometric Theory" (41957) which provides formal proofs and additional results.
Inhalt	Outline: 1. Causal effects and the logic of randomized experiments 2. Linear regression: Estimation, small and large sample properties, hypothesis testing, omitted variable bias, model selection, functional form, heteroscedasticity, autocorrelation, clustering 3. Instrumental variable estimation: Estimation, identification, weak instruments 4. Panel data: fixed effects, random effects 5. Maximum likelihood estimation 6. Binary choice: probit and logit
Literatur	Any textbook in econometrics covers the topics developed in this course. The technical level of this course will be closer to the introductory text- books. However, students with a strong mathematical background may find the advanced textbook more appropriate. The two companions are not self-contained textbooks but useful to deepen the intuitive understanding. Introductory textbook: - Stock, James H. and Mark W. Watson (2015), Introduction to Econometrics, updated 3rd ed., Pearson. Advanced textbooks: - Cameron, A. Colin and Pravin K. Trivedi (2005), Microeconometrics: Methods and Applications, Cambridge University Press. - Davidson, Russell and James G. MacKinnon (2004), Econometric Theory and Methods, Oxford University Press. - Hayashi, Fumio (2000), Econometrics, Princeton University Press. - Wooldridge, Jeffrey M. (2002), Econometric Analysis of Cross Section and Panel Data, MIT Press. Companion textbooks: - Angrist, Joshua D. and Jorn-Steffen Pischke (2009), Mostly Harmless Econometrics: An Empiricist's Companion, Princeton University Press. - Kennedy, Peter (2008), A Guide to Econometrics, 6th ed., Blackwell Publishing.
Weblink	https://wwz.unibas.ch/de/applieconometrics/
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	There will be a final exam and eight online tests. The online tests will be graded on a pass / fail basis. You must pass at least five out of the eight online tests in order to be allowed to the final exam. If you do not fulfill this requirement, you will be excluded from the final exam and deregistered from the course in MONA. The grade will solely be determined by the final exam. written exam:
Wiederholtes Belegen	as often as necessary
Präsenz/E-Learning	Online, mandatory
Unterrichtssprache	English
Teilnahmevoraussetzungen	Prerequisites: Completed BA in Business and Economics and basic knowledge in statistics, particularly the linear regression model
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!



Bemerkungen Students who plan to take other courses in econometrics (Microeconometrics I and II, Time Series Analysis I and II) should follow the course "Fundamentals of Econometric Theory" (41957) along with "Econometrics" (12036).

31960-01	Lecture: Microeconomics and Psychology of Decision Making	6 KP
Dozierende	C. Miguel Brendl Ulf Schiller	
Zeit	We 14:15-16:00 Kollegienhaus, Aula 033 Th 14:15-16:00 Chemie, Organische, Grosser Hörsaal OC As the course does not always take place in the same room, please check for the respective roomreservations just below:	
Beginndatum	19.09.2018	
Intervall	weekly	
Angebotsmuster	Every fall sem.	
Anbietende Organisationseinheit	Faculty of Business and Economics	
Module	Basic Module: Advanced Topics in Economics (Master International and Monetary Economics) (Pflicht) Core Module: Business (Master Business and Economics) 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)	
Inhalt	Content: The course focuses on human decision behavior, from the perspectives of, both, advanced microeconomics and psychology (without presupposing prior study of it). We illustrate how the same theory is relevant to different disciplines, such as Accounting, Finance, Human Resource Management, Marketing, and Organization Studies. With exceptions, such as Prospect Theory, economics and psychology have had surprisingly little mutual influence. However, interest in an interdisciplinary approach has grown considerably, and this course, being unique in the university landscape, is a response to these developments. We start with the classical microeconomic theory, which is free from logical flaws, because it rests on a set of well specified axioms. Yet, there are many examples where the theory makes "strange" predictions that are not only inconsistent with lay intuition but also with psychological experiments. Psychology on the other hand is focused on experimental methodology and narrow hypotheses that are consistent with experiments, but at the cost of being ill-specified and not allowing for one coherent theory. Studying both approaches will put you in a better position to recognize when each is appropriate, and when it is not.	
Weblink	https://adam.unibas.ch	
Leistungsüberprüfung	end-of-semester examination	
Skala	1-6 0,1	
Wiederholungsprüfung	no repeat examination	
An-/Abmeldung	Registration via MOnA during registration period	
Hinweise zur Leistungsüberprüfung	Written exam: Students' performance in parts 1 (Schiller) & 2 (Brendl) will be jointly graded. There will be no separate grade for either part 1 or part 2. The grade is based on the geometric mean of the points achieved in either part. The practical implication for you is that achieving a good grade requires that you perform well in both parts of the lecture. Date:	
Wiederholtes Belegen	as often as necessary	
Präsenz/E-Learning	No specific media used	
Unterrichtssprache	English	
Teilnahmevoraussetzungen	Prerequisites: Completed Bachelor in Business and Economics	
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studsek@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!	
Bemerkungen	If the lecture 31960 Advanced Economic Theory/Advanced Microeconomics is already successfully completed, it is not possible to gain further credits with this lecture. For all MIME students: This lecture can be substituted in the Module 1: Advanced Topics in Economics with the lecture 40106 Game Theory and the Theory of the Firm which is taught	

in spring term.