Universität Basel

Master's Degree in Sustainable Development

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

Academic degree:
Master of Science in Sustainable Development

Structure:
The MSD study program contains 120 credit points, which are acquired over four semesters in the case of a full time study. For a part time study, the duration will extend accordingly. The MSD offers three focus areas: in natural sciences, in social sciences, and in economics; each containing six determined modules.
For detailed information regarding modules etc. we recommend to have a closer look at the study regulations (in German); the guidelines, the medium-term syllabus and the optimal study progression plan (all available in English). These documents and a graphic representation of the three focus areas can be downloaded from our website: https://www.msd.unibas.ch/en/services/downloads/msd-2017/

Head of the MSD:
The study program is jointly run by the Faculty of Sciences, the Faculty of Humanities and Social Sciences and the Faculty of Business and Economics of the University of Basel.
Until July 2020 the teaching committee (TC) is chaired by Prof. Dr. Frank Krysiak, Dep. of Resource Economics, Faculty of Economics. He will be succeed by Prof. Dr. Paul Burger, head of the Sustainability Research Group, Department of Social Sciences, Faculty of Humanities and Social Sciences for the next period (August 2020 to July 2022.)

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

Further information:
The guidelines and the study regulations inform about admission criteria, the registration process and the curriculum.
The detailed course directory (dcd) informs regarding teaching program of the current semester. Further information are provided by the medium-term syllabus (mittelfristiger Lehrplan). For the preparation of the timetable all these documents have to be considered.
All documents are available as downloads: https://www.msd.unibas.ch/en/services/downloads/msd-2017/

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

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

Modul: Komplementärer Basisbereich Naturwissenschaften

20721-01 Vorlesung mit Übungen: Ecosystems - Concepts, Principles and Processes 3 KP

Dozierende	**Gabriel Erni Cassola** Joschka Wiegleb
Zeit und Ort	Di 12:15-14:00 Kollegienhaus, Hörsaal 001 Do 12:15-14:00 Alte Universität, Hörsaal -101
Datum	15.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: 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 the primary literature in natural sciences; - they acquire familiarity with the structure of articles in 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 presented data; - they can interpret the provided data autonomously.

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Inhalt	The principal characteristics and components of ecosystems will be introduced. Through slides (presentations) and textbooks such principles, important processes and interactions between organisms and the abiotic environment will be discussed. Practical course Based on current scientific literature, relevant topics will be assessed and critically analyzed. The critical reading and analysis of primary literature will be exercised with a focus on understanding the content of scientific articles, as well as on discussing and questioning the authors' statements, using the presented data.
Literatur	tba in class.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	In general: Regular attendance mandatory, readings & homeworks according to instructions of lecturers. Lecture: Written examination: 14.01.21 (during usual lecture time). Repeat examination tba. For the admission to the written examination is conditional, requiring proof of achievement for the practical course (see below). Practical course: To receive proof of achievement for the practical course, students are required to read the provided literature and participate actively during 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.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Limited number of participants (25). Students of the MSD, of a preparation semester and of the IJDSD have priority. If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies.
Bemerkungen	Mandatory lecture for studens of the MSD with focus areas in social sciences and in economics. Teaching takes place: lecture: on Thursday/weekly; practical course: on Tuesday. Each group meets weekly. Details of group building tba during the first meeting on 15.09.20/12.15h. The seminar is offered by MSD. Dr. Gabriel Erni Cassola is a post doc staff member of Man-Society-Environment (MSE = MGU Mensch-Gesellschaft-Umwelt). Joschka Wiegleb holds a Master's Degree in Aquaculture and is realizing his PhD in the research group of MSE.

41828-01 Vorlesung mit Übungen: Perspectives of Natural Sciences on Sustainability 3 KP

Dozierende	**Patricia Holm**
Zeit und Ort	Di 14:15-16:00 Pharmazentrum, Hörsaal 1 Kickoff: 15.09.20: 14.15 to 18.00h (together with lecture 41829): lecture hall 52, Anatomie (Pestalozzistrasse 20, Basel 4056, Campus Schällenmätteli)
Datum	15.09.2020
Intervall	wöchentlich

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Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Grundkurse (Transfakultäre Querschnittsprogramme im freien Kreditpunkte-Bereich) Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)
Lernziele	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. Students are expected to - 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	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	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance of lecture and practical course (submission of learning portfolio according to the anounced requirements). Final written examination: 15.12.20: 14.15 - 15.15h (60 minutes); lecture hall tba
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	This lecture is open to students from the University of Basel who at least are studying in their third semester!
Bemerkungen	The kick-off event is organized together with lecture B (41829) on Thuesday, 15.09.20 from 14.15 to 18.00h: lecture hall 52, Anatomie (Pestalozzistrasse 20, Basel 4056, Campus Schällenmätteli) For the rest of the semester the lecture is taught in the Pharmazentrum, lecture hall 1. 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 courses Each student has to submit a learning portfolio according to the announced requirements. The group meetings are organized at the beginning of the semester and will take place in the

first week of December.

Extra certificate
Upon completion of the entire program (Transfaculty Cross Section Program Sustainable Development) and the enrolled degree program at the University of Basel students may order an additional certificate. For this purpose students send an email to coordination-msd@unibas.ch, attach their official final degree transcript (= list of all attended courses) and put their address. The certificate will be sent by postage.

MSD 2017
Students who have already attended a similar class are supposed to contact Prof. Dr. P. Holm and determine with her a substitute. Don't forget to fix the learning agreement (see template on the website MSD/downloads MSD 2017). Also, students with an academic background in the fields of natural sciences but without the focus area in natural sciences are supposed to contact Prof. Holm.

This course is offered by the "Transfaculty cross section program Sustainable Development" (TQ NE), Prof. Dr. Patricia Holm is member of the teaching committee MSD and head of the reseach group Men-Society-Environment, Dep. Environmental Sciences, Faculty of Sciences as well as of the TQNE.

Modul: Komplementärer Basisbereich Gesellschaftswissenschaften

14253-01 Seminar: Environmental Ethics and Intergenerational Justice 3 KP

Dozierende	**Barbara Schmitz**
Zeit und Ort	Mi 12:15-14:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16)
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Praktische Philosophie (MSF - Philosophie) Modul: Fields: Environment and Development (MSG - African Studies)
Lernziele	The participants know - different approaches in environmental ethics; - the specific problems of intergenerational justice.
Inhalt	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 ressource 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.
Literatur	The literature is presented at the beginning of the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance (mandatory), required readings, oral presentation, essay.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority. If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend the seminar in case of vacancies.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course application and entry requirements! Mandatory for all students of the MSD unless the following situation applies to you: Those who already have attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute and inform C. Chebbi by email. A learning agreement is to be fill in if the substitute concerns the 'Complementary Knowledge in Social Science' module (template on website/downloads MSD 2017). This seminar is offered by MSD, Dr. B. Schmitz holds a teaching assignment.

41829-01 Vorlesung mit Übungen: Perspectives of Social Sciences on Sustainability — 3 KP

Dozierende	**Rony Emmenegger**
Zeit und Ort	Di 16:15-18:00 Pharmazentrum, Hörsaal 1 Kickoff: 15.09.20: 14.15 to 18.00h (together with lecture 41828): lecture hall 52, Anatomie (Pestalozzistrasse 20, Basel 4056, Campus Schällenmätteli)
Datum	15.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Grundkurse (Transfakultäre Querschnittsprogramme im freien Kreditpunkte-Bereich) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Vertiefung Landschaft und Umwelt (BSF - Geographie) Modul: Vertiefung Politikwissenschaft M.A. (MSF - Politikwissenschaft) Modul: Fields: Environment and Development (MSG - African Studies)
Lernziele	The lecture aims at the acquisition of the following competences: - Professional competences: Students are familiar with selected social science perspectives (concepts, approaches and theories) 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. - 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. - 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.
Food as an integration focus for the entire TQ NE 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., land use and conflicts, common property resources; food production, food consumption and waste; food distribution and security; food governance and governing a sustainable food system etc.).

The class includes a weekly lecture and topic-specific practical courses: The lecture deals with systematic overview knowledge and a set of specific social science concepts, approaches and theories. The practical courses focus on empirical case studies and involves active student participation.

Literatur	Made available on the ADAM workspace.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance of lecture and practical course, written examination: (60 min.), room tba.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	This class is open to students from the University of Basel who at least are studying in their third semester!
Bemerkungen	The kick-off event is organized together with lecture A (41828) on Thuesday, 15.09.20 from 14.15 to 18.00h: lecture hall 52, Anatomie (Pestalozzistrasse 20, Basel 4056, Campus Schällenmätteli) For the rest of the semester the lecture is taught in the Pharmazentrum, lecture hall 1. 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 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 (subject to modifications). Extra certificate Upon completion of the entire program (Transfaculty Cross Section Program Sustainable Development) and the enrolled degree program at the University of Basel students may order an additional certificate. For this purpose students send an email to coordination-msd@unibas.ch, attach their official final degree transcript (= list of all attended courses) and put their address. The certificate will be sent by postage. MSD 2017 Students who have already attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute. Don't forget to fix the learning agreement (see template on the website MSD/downloads MSD 2017). Also, students with an academic background in the fields of social sciences but without the focus area in social sciences are supposed to contact Prof. Burger. This lecture is offered by the "Transfaculty cross section program Sustainable Development" (TQ NE), Dr. Rony Emmenegger is staff member of the Sustainability Research Group, Department of Social Sciences.

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Modul: Komplementärer Basisbereich Wirtschaftswissenschaften

48981-01 Vorlesung: Intensive Introduction to Intermediate Economics 6 KP

Dozierende	**Dragan Ilic**
Zeit und Ort	Mi 10:15-12:00 Kollegienhaus, Hörsaal 118 Fr 12:15-14:00 Kollegienhaus, Seminarraum 212 The course will be taught on site in the classroom.
Datum	23.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Komplementärer Basisbereich Wirtschaftswissenschaften (Masterstudium: 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) 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)
Weblink	https://adam.unibas.ch/goto_adam_crs_933437.html
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	There will be a written exam in January, at the end of the semester. written exam:
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	I place high value on intuition, but this course is necessarily technical in nature. I expect you to have a solid background in algebra and be familiar with basic calculus.

Modul: Interdisziplinäre Forschung zu Nachhaltigkeit

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48953-01	Kernvorlesung: Sustainable Development: Introduction into Topics and Approaches	3 KP
Dozierende	Paul Burger Patricia Holm Frank Christian Krysiak
Zeit und Ort	Di 08:15-10:00 Kollegienhaus, Hörsaal 102
Datum	15.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	- Students have acquired knowledge of 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 of 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	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Written examination: 08.12.20 (during usual lecture time). Repeat examination: 26.01.21 (during usual lecture time). If after a 2nd attempt the result is a fail (score lower then 4.0) again, the student is expelled from the MSD (see study regulations).
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD-students (incl. preparation semester MSD).
Bemerkungen	This core lecture is mandatory. Be aware of parcipation and registration criteria incl. final examination. The lecture is offered by MSD. Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

48954-01	Kernvorlesung: Tools and Methods for Interdisciplinary Research	3 KP
Dozierende	Marius Christen
Zeit und Ort	Do 10:15-12:00 Kollegienhaus, Hörsaal 102
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	Students will: - get acquainted with the rational, forms, challenges as well as requirements of interdisciplinarity; - get to know different methods to 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 an important condition 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, are tricky questions by themselves. In a first part, the lecture introduces different forms, methods, challenges as well as requirements of interdisciplinarity (and transdisciplinarity), with a specific focus on questions of interdisciplinary research in sustainability sciences. In a second part, we discuss established and most important tools of interdisciplinary research in sustainability sciences: system analysis and sustainability assessment. In a third part, we round out the lecture by a critical reflection upon contributions of science to the transformation towards sustainable development. The lecture requires active participation as part of practical exercises.
Literatur	Recommended introductory reading: Bergmann, M. et al. (2012): Methods for transdisciplinary research. A primer for practice, Frankfurt a.M: Campus.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Written examination: 17.12.20 (usual lecture time) Repeat examination: 28.01.21 (subject to modifications) (usual lecture time) If after a 2nd attempt the result is a fail (score lower then 4.0) again, the student is expelled from the MSD (see study regulations).
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD-students (incl. IJDSD) and those in a prep. semester MSD.
Bemerkungen	This core lecture is mandatory. Be aware of participation and registration criteria incl. final examination. The lecture is offered by MSD, Dr. M. Christen holds a teaching assignment.

50399-01 Kolloquium: Introduction to Ongoing MSD Master's Thesis — 1 KP

Dozierende	**Paul Burger** Patricia Holm Frank Christian Krysiak
Zeit und Ort	Fr 14:15-18:00 - Online Präsenz - 25.09.; 06.11.20: 14.15- 18h; and 18.12.20: 09.15 - 18h (duration always depends on the no. of presentations). The colloquium is taught online (live, no podcast).
Datum	25.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	Students - learn to perceive and understand other presentations; - get insights into other SD research topics; - learn to give constructive, specific feedback and to discuss the presented research topics; - learn to pose interesting questions on other student's presentations.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium 50339 on "ongoing master's thesis" is the first one to be attended (= colloquium A). The participants learn to understand the presented research designs, pose questions, and learn to give feedback.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA

Hinweise zur Leistungsüberprüfung	Regular attendance. Brief presentation that discusses the contribution of one of the Master's theses presented. Details will be handed out at the beginning of the semester to registered course participants.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for students of the MSD.
Anmeldung zur Lehrveranstaltung	Register on MOnA as soon as possible.
Bemerkungen	Schedule fall semester 2020: Meeting 1: 25.09.20: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 06.11.20: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 18.12.20: starts at 09.15h (duration depends on the number of presentations). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the meeting takes place). This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

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

Dozierende	**Paul Burger** Patricia Holm Frank Christian Krysiak
Zeit und Ort	25.09.; 06.11.20: 14.15- 18h; and on 18.12.20: 09.15 - 18h (duration always depends on the no. of presentations). The colloquium is taught online (live, no podcast).
Datum	25.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	Participants learn - to present research questions and a research concept to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and concepts from other disciplines; - to provide constructive feedback to their fellow students.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the second one (= colloquium B). The participants present the research questions and the research design used in their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the research design.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation of 10 minutes, followed by a discussion of 15 minutes.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the MSD 2017 whose application of the "master's thesis" has been approved by the teaching committee.
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle: https://doodle.com/poll/gi3m2s83ytybyqgg For prerequisits see "Admission requirements". Presentation time slots according to announcements. Registration on MOnA remains mandatory.

Bemerkungen	Schedule fall semester 2020: Meeting 1: 25.09.20: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 06.11.20: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 18.12.20: starts at 09.15h (duration depends on the number of presentations). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the meeting takes place). This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

53982-01 Kolloquium: Presentation of Results of MSD Master's Thesis 1 KP

Dozierende	**Paul Burger** Patricia Holm Frank Christian Krysiak
Zeit und Ort	25.09.; 06.11.20: 14.15- 18h; and on 18.12.20: 09.15 - 18h (duration always depends on the no. of presentations). The colloquium is taught online (live, no podcast).
Datum	25.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
Lernziele	The students learn - to present research questions and a research results to an interdisciplinary audience; - to place their research questions in an appropriate sustainability context; - to discuss research questions and results from other disciplines; - to provide constructive feedback to their fellow students.
Inhalt	Within the study program of MSD 2017, students have to register 3 times in a 'master's thesis colloquium'. This colloquium is the third and last one (= Colloquium C). The participants present the results of their master's theses. They prepare their presentations in a way that is accessible to an interdisciplinary audience, focus on the relation of their research questions to sustainable development and the fit between these questions and the results of their theses.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance. Oral presentation of thesis (10 min.) and discussion (15 min.).
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for students of the MSD 2017 who are already able to present the results of the master's theses. The theses have to be completed at least up to 80% or may have been submitted already prior to the final presentation.
Anmeldung zur Lehrveranstaltung	Students have to register for a presentation on doodle: https://doodle.com/poll/gi3m2s83ytybyqgg For prerequisits see "Admission requirements". Presentation time slots according to announcements. Registration on MOnA remains mandatory.
Bemerkungen	Schedule fall semester 2020: Meeting 1: 25.09.20: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 06.11.20: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 18.12.20: starts at 09.15h (duration depends on the number of presentations). Details regarding duration of each meeting are published with the program (usually sent out around 10 days before the meeting takes place). This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

Modul: Kernbereich Naturwissenschaften

Universität Basel

24172-01 Exkursion: Marine Biological Considerations at the Strait of Gibraltar - ABGESAGT - 3 KP

Dozierende	Karen Bussmann **Patricia Holm**
Zeit und Ort	abgesagt
Datum	25.10.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Frühjahrsem.
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Lehrveranstaltungen Masterstudium Biologie der Tiere (Masterstudium: Biologie der Tiere) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie (Studienbeginn vor 01.08.2013)) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)
Lernziele	The students - are able to distinguish the whale species and their typical behavior; - have a knowledge about important relationships between components of the marine ecosystem; - know prominent representatives of the litoral; - know typical fields of conflict between man and nature; - and are able to critically discuss possible solutions.
Inhalt	Whale watching, sampling and identification of plankton, studying litoral ecosystem, studying of fish species on the markets in Tarifa, theoretical background of selected topics at the intersection of marine biology of the Mediterranean, the North Atlantic and anthropogenic factors at the Strait of Gibraltar.
Literatur	tba
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Oral presentation and practical work during field trip.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see "course application" or "Anmeldung"). Limited number of participants (19), Students of the MSD and those of the mentioned fields of study have priority (see list of modules). Students of the bachelor's degree in Biology have been registered at least during 2 semesters in this field of study - incl. spring semester 20). If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies. Students of the MSD who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (or at least earned 8 CP; incl. CP earned in spring semester 2020).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL: Link for application open 13.05.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login button on top row right hand side of ADAM website. In case of vacancies the online application link remains open until 16.08.20 NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course inscription and entry requirements! Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in natural sciences may accredit the course within the published module. Schedule: preparation meeting: tba: 09.15-16.00h.

field trip: Sunday, 25.10.20 to Sunday, 01.11.20 (whenever possible starting - departure day). The details regarding arrival and departure days are fixed later (the stay at Tarifa may be shorten depending on travel facilities).

This field trip is offered by MSD. Prof. Dr. Patricia Holm is a member of the teaching committee MSD. Furthermore, she heads the research group Man-Society-Environment (Mensch-Gesellschaft-Umwelt MGU) and TQNE. Karen Bussmann holds a MSc in Biology (Major in Evolution and Ecology) and is doing her PhD within the research group MGU.

24129-01 Exkursion: Sustainability in Ecosystem Research 2 KP

Dozierende	**Christine Alewell** Andreas Lang
Zeit und Ort	Fr 09:15-12:00 Bernoullistrasse 30/32, Hörsaal 223 Vorbesprechung am 18.05.20 um 12:30 Uhr online per ZOOM statt.Anmeldungen zum Zoom Meeting bitte an sekretariat-ugw@unibas.ch richten - Vorbereitung am 03.09.2020, Exkursion vom 07.09.-14.09.2020
Datum	03.09.2020
Intervall	unregelmässig
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Geowissenschaften
Module	Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Exkursionen (MSF - Geographie)
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 (07.09.-14.09.20) beeinhaltet 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	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Aktive Teilnahme.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
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 18.05.2020 statt. Nachträgliche Anmeldung im Sekretariat Umweltgeowissenschaften ist möglich. Individuelle Anreise am Montag, den 7.9.2020. Das Exkursionsprogramm startet am 8.9.2020 und endet mit einer gemeinsamen Überfahrt von Spiekeroog nach Neuharlingersiel am Montag, den 14.9.2020.

58994-01 Kolloquium: MSD Life Science 1 KP

Dozierende	**Patricia Holm**

Zeit und Ort	Di 16:15-17:00 - Online Präsenz - The colloquium is taught online (live, no podcast).
Datum	15.09.2020
Intervall	unregelmässig
Angebotsmuster	einmalig
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
Lernziele	Die TeilnehmerInnen - üben und verbessern ihre Auftrittskompetenzen im Kontext einer Präsentation von wissenschaftlichen Daten; - üben und verbessern ihre Fähigkeiten wissenschaftliche Artikel kritisch zu diskutieren; - erwerben Wissen über aktuelle Themen, Ansätze und Methoden der wissenschaftlichen Nachhhaltigkeitsforschung (aus Sicht der Naturwissenschaften).
Inhalt	- Aktuelle Themen, wissenschaftliche Ansätze und neue Methoden in Ökologie und Nachhaltiger Entwicklung; - Präsentation und Diskussion eigener Forschungsprojekte (einschliesslich Masterarbeiten); - Präsentation und Diskussion von wichtigen, bahnbrechenden Publikationen.
Literatur	Literaturangaben werden während den einzelnen Kolloquiumsterminen gemacht.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Pflichtveranstaltung für ALLE mit Studienvariante Phil.-Nat.
Belegen bei Nichtbestehen	nicht wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Anmeldung zur Lehrveranstaltung	Please enrol for the course on MOnA as fast as possible.
Bemerkungen	Anrechnung MSD 2017 Pflichtveranstaltung für ALLE mit Studienvariante Phil.-Nat. (unabhängig davon, wie die Betreuung und Beurteilung der Masterarbeit geregelt sind). Der Entscheid zu welchem Zeitpunkt das Kolloquium belegt wird, erfolgt in Rücksprache mit Prof. Dr. P. Holm. Weiter ist das Kolloquium für Doktorierende am MGU. Die Anrechnung der LV regeln sie in Rücksprache mit P. Holm. Dies ist ein Angebot vom MSD. Prof. Dr. P. Holm ist Leiterin von MGU und vom TQNE sowie Mitglied der Unterrichtskommission MSD.

12127-01 Projekt: Sustainability in Ecosystem Research — 3 KP

Dozierende	**Christine Alewell** Andreas Lang
Zeit und Ort	Fr 13:15-17:00
Datum	03.09.2020
Intervall	unregelmässig
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Geowissenschaften
Module	Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Exkursionen (MSF - Geographie)
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.
Literatur	Wird ausgegeben.
Weblink	https://duw.unibas.ch/de/studium-ugw/exkursionen/wilhelmshaven
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Teilnahme an Exkursion und Seminar mit Gruppenarbeit und Abgabe eines Antragsmanuskripts
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
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 18.05.2020 statt. Nachträgliche Anmeldung im Sekretariat Umweltgeowissenschaften ist möglich.

41821-01 Vorlesung mit Übungen: Ecological Sustainability Aspects of Climate Change — 3 KP

Dozierende	**Dirk Schindler**
Zeit und Ort	Fr 14:15-16:00 - Online Präsenz - Note: irregular schedule, see details in "comments" (Bemerkungen). This is an online course (live, no podcast).
Datum	18.09.2020
Intervall	unregelmässig
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: 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 und 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	Leistungsnachweis
Skala	1-6 0,1

Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required readings, presentation; written assessment on Friday, 11.12.20: 14.15 - 16.00h
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course inscription required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester MSD or IJDSD have priority. If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies. Students of the MSD who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (or at least earned 8 CP).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching period fall semester 2020. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course inscription and entry requirements! Schedule: - 18.09.20: 14.15-16h: introduction; - 02.10.20/09.10.20/16.10.20/13.11.20/20.11.20/04.12.20: 14.15 - 18h (4 lessons, according to information of lecturer); - 11.12.20: 14.15-16h (final test). Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in natural sciences may accredit the course within the published module. This course is offered by MSD, Dr. D. Schindler holds a teaching assignment.

49077-01 Vorlesung mit Übungen: Global Change Resources — 3 KP

Dozierende	**Miriam Simone Andres**
Zeit und Ort	Do 16:15-18:00 - Online Präsenz - This lecture is taught online (live, no podcast).
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
Lernziele	- Knowledge of key mineral and fossil resources, their occurrence and distribution. - Understanding of extraction and transport pathways of key mineral and fossil resources. - Basis understanding of environmental risks, legal frameworks and societal impacts. - Basic understanding of CO2 in the production of i.e. cement and complexity of carbon capture and storage.

- Knowledge of processes and challenges in waste management and urban mining.

Inhalt

From sand to solar, from molybdenum to mobile phones, from cobalt to computers: mineral resources form the basis of practically every aspect of our modern society. Never before in the history of our global community have we extracted, produced and consumed more of these valuable resources.

This course aims to:
- identify key mineral and fossil resources;
- understand their distribution, extraction and transport pathways;
- highlight environmental risks, legal frameworks and societal impacts;
- discuss alternative concepts, learn about the circular economy and the 3R's (reduce, reuse, recycle).

With a mixture of lectures, case studies, exercises and excursions, you will learn about the complexity of extracting rare earth minerals, which are critical for our electronic and digital economy. Because Switzerland has no oil and gas resources, but plenty of salt, sand and silt, these valuable resources will be emphasized in a local context. Furthermore, we will investigate the history of how the extraction of mineral resources has evolved over the last hundred years. We will explore the question of 'Who owns the mineral resources under your house? And the mineral resources on the seabed.' We will also track the carbon footprint of the cement industry and how to eliminate the CO2 by-product of the production process. Switzerland is a champion in the waste management department and is also advanced in the recycling of mineral resources and urban mining. A firsthand view of such a recycling plant will be integrated into the course as a scheduled excursion.

Literatur	Tba
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	eine Wiederholung, bester Versuch zählt
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Written examination. Further information tba announced.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung').

Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority.

If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies.

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

Anmeldung zur Lehrveranstaltung

Mandatory application for ALL! Link open from 19.08.20/noon:
https://adam.unibas.ch/goto_adam_fold_744967.html

Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36.
In case of vacancies the online application link remains open until the end of the second week of teaching.

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

Bemerkungen

Note: Special course inscription and entry requirements!

Mandatory for students of the MSD who have chosen the focus area of natural sciences. No

credit transfer possible to any different module than published.

Students who have chosen the focus area of social sciences or economics may transfer the credit points to the 'FASR' module (learning agreement).

This lecture is offered by MSD, the lecturer Dr. Miriam Andres holds a teaching assignment.

15999-01 Vorlesung mit Übungen: Globalization of Water Resources 3 KP

Dozierende	**Hong Yang**
Zeit und Ort	Mo 09:15-18:00 Alte Universität, Seminarraum -201 Block: 25.-29.01.2021; 09.15-18.00h.
Datum	25.01.2021
Intervall	Block
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)
Lernziele	The aims of the couse are: - To introduce different perspectives in assessing the global water resources and water challenges facing the world today and in the coming years; - to introduce the concept of virtual water and its role in redistributing global water resources through the trade of food and other commodities; - to understand the repercussions of the globalisation of water resources to the sustainability of economic development and the environment in both the developing and developed countries.
Inhalt	- Global status of water resources from the physical, economic and environmental viewpoints: facts and flaws; - the concept of virtual water and the role of virtual water trade in redistributing global water resources; - the motivation of virtual water trade and the notion of comparative advantage; - methodological issues concerning the study of the globalisation of water resources; - interdisciplinary approaches, combining natural and social sciences, modelling and GIS techniques, in assessing the global virtual water flows and the trade-offs involved in the trade; - the role of the EU in global virtual water trade; - a brief introduction of other forms of global water trade, e.g., bottled water trade; - implications of globalisation of water resources for regional and national food, water and environmental policies.
Literatur	Allan, J.A., 1997. "Virtual water: A long term solution for water short Middle Eastern Economies?". Occasional Paper, SOAS Water Issues Group, King's Collage, UK. Yang, H., Reichert, P., Abbaspour, K., Zehnder, A.J.B., 2003. "A water resources threshold and its implications for food security". Environmental Science and Technology 37(14): 3048-3054. Yang, H., Wang, L., Abbaspour, K, Zehnder, A.J.B., 2006. "Virtual water highway: assessment of water use efficiency in global virtual water trade". Hydrological and Earth Systems Science.
Leistungsüberprüfung	Leistungsnachweis
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance (mandatory), oral presentation, written assessment at the end of the bloc course. Details tba at the beginning of the lecture.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority. If you study something different you must do at least a master's degree within the Departement of Enviromental Sciences (Faculty of Sciences) and may attend the course in case of vacancies. Students of the MSD who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (or at least earned 8 CP).

Anmeldung zur Lehrveranstaltung	Mandatory course application for ALL: Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the day before the course registration closes on MOnA. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in natural sciences may accredit the course within the published module. Dayly classes from 25. to 29. January 2021/from 9.15 to 18h (breaks according to announcement of lecturer). This lecture is offered by MSD. The lecturer, Prof. Dr. H. Yang, is honory professor at Unibas, she works at EAWAG.

Modul: Kernbereich Gesellschaftswissenschaften

14253-01 Seminar: Environmental Ethics and Intergenerational Justice 3 KP

Dozierende	**Barbara Schmitz**
Zeit und Ort	Mi 12:15-14:00 Vesalianum - Nebengebäude, Grosser Hörsaal (EO.16)
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Praktische Philosophie (MSF - Philosophie) Modul: Fields: Environment and Development (MSG - African Studies)
Lernziele	The participants know - different approaches in environmental ethics; - the specific problems of intergenerational justice.
Inhalt	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 ressource 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.
Literatur	The literature is presented at the beginning of the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance (mandatory), required readings, oral presentation, essay.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority. If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend the seminar in case of vacancies.
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course application and entry requirements! Mandatory for all students of the MSD unless the following situation applies to you: Those who already have attended a similar class are supposed to contact Prof. Dr. P. Burger and determine with him a substitute and inform C. Chebbi by email. A learning agreement is to be fill in if the substitute concerns the 'Complementary Knowledge in Social Science' module (template on website/downloads MSD 2017). This seminar is offered by MSD, Dr. B. Schmitz holds a teaching assignment.

55408-01 Seminar: Future Mobilities 3 KP

Dozierende	**Paul Burger**
Zeit und Ort	Mi 08:15-10:00 - Online Präsenz -
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Migration, Mobility and Transnationalism (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	The goal of the seminar is to provide the student a social science based knapsack to analytically deal with future mobilities. This includes among others an understanding of mobility in terms of (strongly routinized) social interactions, approaches in and evidence from recent research on the relation between quality of life and mobility, or insights from research on future mobility trends (including digitization).
Inhalt	Modern mobility is an asset for our quality of life as well as a burden for our socio-ecological system. The well-known burdens include the strong emissions coming from fossil fuel based transportation services such as cars or planes, its heavy land use (airports, streets etc.) or high costs for infrastructure. The assets encompass opportunities to get in touch with other cultures, to experience historic monuments or beautiful landscapes or to establish a European or even global rather than a national identity by being connected to many different places. Mobility is normally related to an individual or social purpose (commuting, leisure, vacation, shopping, conferences etc.). Against the backdrop of the heavy burdens stemming from modern mobility patterns, however, not only the means for mobility, especially cars and planes, but also the purposes have become seriously challenged. Accordingly, the fundamental question in transforming the current to a more sustainable mobility system is in what respect the emissions could be substantially reduced by considering at the same time in what respect the assets should/could be transformed/safeguarded.
Literatur	Tba in class.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung

An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required readings, oral presentation, essay.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority. If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend the seminar in case of vacancies. Students of the MSD who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (or at least earned 8 CP).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course inscription and entry requirements! Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in social sciences may accredit the course within the published module. This seminar is offered by the 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.

41822-01 Seminar: Governance of Energy Transition — 3 KP

Dozierende	**Annika Sohre**
Zeit und Ort	Mo 12:15-14:00 - Online Präsenz -
Datum	14.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft) Modul: 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 extend 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.
Literatur	Relevant literature will be announced in the seminar.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required readings, oral presentation, essay.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester MSD or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority. If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend the seminar in case of vacancies. Furthermore, non MSD students must have passed an introduction course into SD and have a good understanding of SD. Students of the MSD who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (or at least earned 8 CP).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20: https://adam.unibas.ch/goto.php?target=crs_544052_rcodeZ5LwyBC5jg&client_id=adam Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course inscription and entry requirements! Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in social sciences may accredit the course within the published module. 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 und Ort	Do 14:15-16:00 Rosshofgasse (Schnitz), Seminarraum S 02
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung

Universität Basel

Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Theory and General Anthropology (MSF - Anthropology) Modul: Ungleichheit, Konflikt, Kultur (MSF - Soziologie) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	The participants know and understand: - the fundamental contents of contemporary 'political ecology'; - anthropological approaches, historical perspectives and social sciences interpretations with regard to 'nature-culture' relations and 'cultural ecology'; - potential effects of current societal transformations (with a 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); - modes and qualities of ecology-induced fields of conflicts, frictions and problems.
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 and big reconfigurations, political ecology postulates that ecological problems caused by these transformations have to be considered within their historical, political, economic, cultural 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 all societies of the Global South 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 (for example 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 and current 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' in the extraction world; 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 epidemy or rational qualification?; the fate of the 'commons' – or new stimuli for a more just and fairer model of sustainability and equity such as 'earth rights'?; permaculture - a new ideology in environment-friendly agriculture? Invasive new species: blessing or curse ... or both? The global flows and the debates about sustainability have revealed that many ecology-focused phenomena affect both Global South and Global North and cannot be ascribed anymore to one world region. We may think about climate change (e.g. climate change migrants), food consumption (e.g. meat production and its consumption; oil palm cultivation and food industry), global mobility (e.g. from eco-tourism to travelling viruses) or commodity trading (e.g. global commodity trading industry, its infrastructure and its financial business). Such dynamics involve more and more ourselves in very direct ways (e.g. as consumer, citizen, broker and/or producer). 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.
- 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. 2020. Political ecology: A critical introduction. 3rd Ed. Chichester: Wiley Blackwell.
- Roussopoulos, Dimitri I. 2018.Political ecology: The climate crisis and a new social agenda. 3rd Ed. Montreal: Black Rose Books.
- 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 Lehrveranst.-begleitend
Skala 1-6 0,1
Wiederholungsprüfung keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung Regular attendance (mandatory), required readings, oral presentation with handout, written essay.
Belegen bei Nichtbestehen beliebig wiederholbar
Einsatz digitaler Medien kein spezifischer Einsatz
Unterrichtssprache Englisch
Teilnahmevoraussetzungen Special course application required for ALL (for details see 'course application' or 'Anmeldung').

Limited number of participants (16). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority.
If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend the seminar in case of vacancies.

Students of the MSD who have chosen the focus area in natural sciences or in economics must have completed the module 'Complementary Knowledge in Social Sciences' (or at least earned 8 CP). No entry requirements for students with focus area in social sciences.

Anmeldung zur Lehrveranstaltung Mandatory application for ALL! Link open from 19.08.20/noon: https://adam.unibas.ch/goto_adam_fold_744967.html

Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36.
In case of vacancies the online application link remains open until the end of the second week of teaching.

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

Bemerkungen	Note: Special course application and entry requirements! Credit transfer MSD 2017 Credits may be transferred to the "Focal Areas in Sustainability Research" module (learning agreement). Students who have chosen the focus area in social sciences may also accredit the seminar for the published module. This seminar is offered by MSD, PD Dr. P. van Eeuwijk holds a teaching assignment.

55407-01 Seminar: Risk Society, Science and Nature 3 KP

Dozierende	**Rony Emmenegger**
Zeit und Ort	Mo 14:15-16:00 - Online Präsenz - The seminar is taught online (live, no podcast).
Datum	14.09.2020
Intervall	wöchentlich
Angebotsmuster	unregelmässig
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)
Lernziele	Student are - familiar with risk-related concepts and debates in social science and environmental humanities; - able to make use of risk-related concepts for the analysis of issues around nuclear energy and nuclear waste; - able to critically evaluate the role and significance of nuclear technologies, infrastructures and imaginaries in a risk society; - able to reflect on the meaning of sustainability in a modern risk society.
Inhalt	Recent debates about global environmental change have raised questions about the role of nuclear energy in a low-carbon future. A consideration of climate targets in terms of CO2 emissions thereby opens space for dreaming about the revival of nuclear technologies – see for instance “Bill Gates goes nuclear” (https://www.youtube.com/watch?v=HijJH67uw_Y). Rather than simply buying into socio-technical imaginaries of a carbon neutral but nuclear future, however, a sustainability perspective suggests a much wider consideration of nuclear energy and nuclear waste in terms of risk, uncertainty and ethics. This seminar uses issues around nuclear energy and nuclear waste in Switzerland and beyond as an empirical entry point into an analytical discussion about risk and uncertainty in a modern “risk society” (Beck 1986). The operation and failure of nuclear technologies, infrastructures and imaginaries thereby provides manifold examples for a conceptually-inspired analysis of risk calculation and perception; risk maps and landscapes, risk communication and governance, risk technology and safety culture, risk ethics and sustainability. On this basis, this seminar lays an empirical and conceptual basis for a critical evaluation of nuclear risks and safety in modern societies and for a reflection about their sustainable futures.
Literatur	Tba in class.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Regular attendance, required readings, oral presentation, essay.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Special course application required for ALL (for details see 'course application' or 'Anmeldung'). Limited number of participants (25). Students of the MSD, MSD preparation semester or IJDSD have a first priority; those of the mentioned fields of study (see list of modules) have a second priority. If you study something different you must do at least a master's degree within the Department of Social Sciences (Faculty of Humanities and Social Sciences) and may attend

	the seminar in case of vacancies. Non-MSD students must have passed sucessfully the lecture "11513-01: Sustainability: A new Societal Paradigm?" or "41829: Social Science Perspectives on Sustainability" during a former semester. Students of the MSD who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (or at least earned 8 CP).
Anmeldung zur Lehrveranstaltung	Mandatory application for ALL! Link open from 19.08.20y/noon: https://adam.unibas.ch/goto_adam_fold_744967.html Login and application possible from 19.08.20/noon on. Login button on top row right hand side of ADAM website. First emails with confirmation of participation will be sent out at the end of week 36. In case of vacancies the online application link remains open until the end of the second week of teaching. NOTE: Be aware of special entry requirements. Course inscription via MOnA remains mandatory for all participants.
Bemerkungen	Note: Special course inscription and entry requirements! Within the MSD credit points may be transferred to the module "Focal Areas in Sustainability Research" (learning agreement) (all students). Students with focus area in social sciences may accredit the course within the published module. This seminar is offered by the MSD. Dr. Rony Emmenegger is a staff member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.

Modul: Kernbereich Wirtschaftswissenschaften

10639-01 Kolloquium: Consumer Behaviour 6 KP

Dozierende	**C. Miguel Brendl**
Zeit und Ort	Di 08:15-11:45 - Online Präsenz - The course will be taught online with Zoom at the dates you can see below:
Datum	15.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)
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	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
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 (see course outline).
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

Teilnahmevoraussetzungen	There are no formal pre-requisites. However, if you are a business/economics student who has not previously taken behavioral courses, it is extremely important that you are taking "Microeconomics and Psychology of Decision Making" at the same time as 10639-01. Also, if you want to take all of the following courses, the ideal is a three-semester sequence in this order: 31960-01; 43498-01; 10639-01. If you want to take all of them in a two-semester sequence then you need to first take 31960-01 together with 10639-01 in the fall semester and 43498-01 in the subsequent spring semester. The number of participants will be limited to 30. However, in the past we have not surpassed that number.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol via MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the student administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	Attendance is mandatory as of Session 1. Please note that this is a 6KP course because you will need to do substantial reading at home and the class format requires that you actually do this reading (see course outline).

48409-01 Kolloquium: Corporate Social Responsibility 3 KP

Dozierende	**Georg von Schnurbein**
Zeit und Ort	Di 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Auditorium Präsenzveranstaltung
Datum	15.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul: Labour Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften)
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	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Die Leistungsüberprüfung ist ein max. 5seitiger Diskussionsbeitrag zu einem aktuellen Forschungsartikel
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
Anmeldung zur Lehrveranstaltung	Anmeldung per Email an alice.hengevoss@unibas.ch spätestens bis zum 16.09.2020. 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 Hörerschein beim Studiensekretariat im Kollegienhaus belegen. Für alle gilt: Belegen = Anmeldung zur Prüfung.
Bemerkungen	Es besteht eine begrenzte Anzahl an Teilnehmenden von max. 20 Personen.

Universität Basel

41684-01 Kolloquium: Modeling in Environmental and Energy Economics 3 KP

Dozierende	**Frank Christian Krysiak** Hannes Weigt
Zeit und Ort	Fr 14:15-16:00
Datum	18.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften)
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. The course consists of online material and supervised group work.
Literatur	All texts and materials (videos) are delivered through an online platform.
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Performance will be assessed through an essay that describes the model that has been built and its results.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
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 (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

14255-01 Vorlesung: Advanced Environmental Economics 3 KP

Dozierende	**Frank Christian Krysiak**
Zeit und Ort	Fr 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Auditorium The course will be taught on site in the classroom. If the number of participants exceeds the room capacity there will be an online live-stream simultaneously.
Datum	18.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)
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 applications to 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 (but not required) 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 some (minor) 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	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Performance will be assessed via a written exam at the end of the term. Exam: tbd
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
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. 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.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

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

Dozierende	**Jean-Philippe Nicolai**
Zeit und Ort	Fr 12:15-14:00 - Online Präsenz - Fr 16:15-18:00 - Online Präsenz - Online Zoom course on Fr 4 - 6 pm weekly
Datum	18.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften)
Inhalt	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. 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. 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. 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.
Literatur	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.
Weblink	https://adam.unibas.ch
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Written exam:
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

12036-01 Vorlesung: Econometrics 6 KP

Dozierende	Marius Faber **Kurt Schmidheiny**
Zeit und Ort	Mo 10:15-12:00 Bernoullianum, Grosser Hörsaal 148 Mi 10:15-12:00 Kollegienhaus, Aula 033 The course will be taught on site in the classroom with a simultaneous online live-stream.
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester

Universität Basel

Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) (Pflicht) Kernmodul: VWL (Masterstudium: Wirtschaftswissenschaften) (Pflicht) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: 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 (2020), Introduction to Econometrics, 4th Global Edition, 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.schmidheiny.name/teaching/unibas/econometrics/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
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:
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
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 (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

Bemerkungen	This course will be taught in a hybrid format in Fall 2020. Students can attend the class either virtually via Zoom or physically in the classroom. In order to sign up for physical attendance, you need to be registered for the course on MOnA. Details will be sent to registered students shortly before the first class. Seats will assigned on a first-come-first-served basis. 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).

43030-01 Vorlesung: Energy and Climate Policy - Citizens' Perspectives 3 KP

Dozierende	**Aya Kachi**
Zeit und Ort	Mi 16:30-20:00 - Online Präsenz - The course will be taught online at the dates you can see below:
Datum	28.10.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Vertiefung Politikwissenschaft M.A. (MSF - Politikwissenschaft)
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	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: Studiendekanat
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. written exam:tbd
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	No special requirements. However, some knowledge about intro statistics will be helpful.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam! A deregistration is possible until November 19, 2020 by email to studiendekanat-wwz@unibas.ch.
Bemerkungen	The course is 4 h weekly, but only in the second half of the term.

34505-01 Vorlesung: Environmental Law and Public Policy. Risk and Regulation 3 KP

Dozierende	**John Wargo**
Zeit und Ort	Mo 15:45-18:15 - Online Präsenz -
Datum	17.08.2020
Intervall	Block

Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)
Inhalt	This graduate course will explore key trends and challenges in the global food sector related to environmental quality and human health. We will focus on corporate innovation, mergers and acquisitions, government regulation, and 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	The reading material will be available on ADAM.
Weblink	https://wwz.unibas.ch/de/summer-school/courses/courses/34505-environmental-law-and-public-policy-risk-and-regulation/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An- und Abmelden: Fakultät
Hinweise zur Leistungsüberprüfung	• 20% Participation in Discussions • 20% Essay 1000 words: Due 28 August at 15:00 • 60% Take Home Exam: Due 31 August at 15:00
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
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 register by sending an email to summerschool-wwz@unibas.ch no later than by 31 May 2020. For more information, please visit the Summer School website: https://wwz.unibas.ch/de/summer-school/ The enrollment for the course is at the same time the final registration for the exam!
Bemerkungen	Time schedule: Monday, 17 August 2020, 15.45 - 18.15 Tuesday, 18 August 2020, 15.45 - 18.15 Wednesday, 19 August 2020, 15.45 - 18.15 Thursday, 20 August 2020,15.45 - 18.15 Monday 24 August 2020, 15.45 - 18.15 Tuesday, 25 August 2020, 15.45 - 18.15 Wednesday, 26 August 2020, 15.45 - 18.15 Thursday, 27 August 2020,15.45 - 18.15

41957-01 Vorlesung: Fundamentals of Econometric Theory — 3 KP

Dozierende	**Kurt Schmidheiny**
Zeit und Ort	Mi 16:30-18:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 The course will be taught on site in the classroom.
Datum	16.09.2020
Intervall	wöchentlich

Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften)
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	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/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	written exam:
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

31960-01 Vorlesung: Microeconomics and Psychology of Decision Making — 6 KP

Dozierende	C. Miguel Brendl **Georg Nöldeke**
Zeit und Ort	Di 16:30-18:00 - Online Präsenz - Mi 14:15-16:00 - Online Präsenz - There will only be two live-online dates: 24.11. and 9.12.2020
Datum	24.11.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) (Pflicht) Kernmodul: BWL (Masterstudium: Wirtschaftswissenschaften) Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)

Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies)
Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)

Inhalt	Content: The course focuses on human decision behavior, from the perspectives of, both, 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. Using observations from laboratory experiments, psychology describes how people make decisions, and then attempts to develop a theoretical understanding of the mental mechanism that led to these decisions. The theory is heavily guided by observations from experiments, as well as by psychological mechanisms that apply to behavior in general, not just decisions. Psychology is about how people do decide, irrespective of whether these decisions are logically consistent, good or bad. The most influential psychological theory of decision making is Prospect Theory. While it grew out of the above approach, it differs from it because it was theoretically inspired by Expected Utility Theory developed in economics. Expected Utility Theory does not rest on the kind of evidence inspiring the analysis of decision making in psychology. Rather, its foundations are a set of compelling axioms intended to capture core principles of rational decision making. This microeconomic approach leads to a coherent theory of decision making with many interesting applications, but inherent limitations in accommodating the kind of phenomena that psychology focuses on, which are commonly viewed as mere “errors” in decision making. Studying both approaches to decision making will put you in a better position to recognize when each is appropriate, and when it is not.
Weblink	https://adam.unibas.ch
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Written exam: Students' performance in parts 1 (Brendl) and 2 (Nöldeke) will be jointly graded. There will be no separate grade for either part 1 or part 2. The grade is based on the arithmetic mean of the points achieved in either part. The date will be published during the first week of the lectures.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
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 (studseksupport1@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 Econonomics with the lecture 40106 Game Theory and the Theory of the Firm which is taught in spring term.

41904-01 Vorlesung: Topics in Industrial Organization — 3 KP

Dozierende	**Catherine Roux**
Zeit und Ort	The course will be completely online.
Datum	14.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ

Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften)
Lernziele	-Understand and explain the workings and implications of the theoretical IO models. -Connect the theoretical insights with practical applications. -Analyze effects of government policy on competition outcomes. -Understand and explain how assumptions relate to conclusions in IO theory.
Inhalt	Content: The course familiarizes students with various topics of modern industrial organization. We analyze the role of imperfectly competitive markets for firms' strategic decisions on, for example, product differentiation, advertising and price discrimination. We also examine the firms' responses to changes in the market environment. Main analytical tools will be microeconomic theory and game theory.
Literatur	Belleflamme, Paul and Martin Peitz (2010). "Industrial Organization - Markets and Strategies". Cambridge University Press, New York.
Weblink	https://adam.unibas.ch
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Grading is based on a written final exam (60%) and two homeworks (20%). homework 1: 20%, homework 2: 20%. written exam / 60%: written exam: The date will be published during the first week of the lectures.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Prerequisites: Completed Bachelor in Business and Economics A solid background in microeconomics is required. Knowledge in game theory and industrial organization is helpful.
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!

Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften

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

Dozierende	**Paul Burger** Rony Emmenegger
Zeit und Ort	Do 16:15-18:30 - Online Präsenz - The colloquium is taught online (live, no podcast).
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Fachbereich Nachhaltigkeitsforschung
Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development)
Lernziele	Participants have in-depth knowledge about thematic and methodological aspects of social science research on sustainability.
Inhalt	Based on the presentation of ongoing research projects (Master theses, PhD theses etc.), students analyze and discuss thematic and methodological questions related to current disciplinary and interdisciplinary research on sustainability. The detailed program is going to be set in the first session.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Presentations.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Only for MSD students with focus area in social science.

Bemerkungen	Mandatory for all students who have chosen the focus area in social sciences (credits are earned once for the module "Preparation Master's Thesis in Social Sciences" = no repeated course registration possible). 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. Dr. Rony Emmenegger is a post doc staff member of the same research group.

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

Dozierende	**Paul Burger** Patricia Holm Frank Christian Krysiak
Zeit und Ort	Mo 08:15-10:00 - Online Präsenz - Plenary meetings on: 21. September.; 05. October & 23. November 20: 08.15 - 10h. The course is taught online (live, no podcast).
Datum	21.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften
Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
Lernziele	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know to identify a valuable research topic in the field of sustainable development, to develop a related research question directed to a contribution to the scientific debate as well as designing a research approach (e.g. choice of methods) directed to answering the research question; - are able to characterize intersections between their approach and other disciplines as well as intersections to non-academic fields (such as politics, business etc.); - are familiar with formal requirements to a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).
Inhalt	Writing a master's thesis on a sustainability relevant topic is the masterpiece of the MSD study program. Students are expected to use productively their acquired knowledge (in terms of methods and sustainability related content) for analyzing a specific topic. However, developing a research design that copes with scientific scrutiny and accuracy is by far not an easy endeavour. Questions like 'How can I find an interesting topic?' or 'According to which criteria should I decide to go for a specific method?' or - and most important – 'Why and how do I have to link my research design to the ongoing scientific discourse?' are waiting to be answered. This course is thought to support the students in developing in a structured, systematic and scientific manner their research proposal. Students get familiar with necessary elements of a master thesis (problem framing, introduction, background, aims, hypothesis, research questions, methods, results, discussion, reflection/contribution to the scientific debate etc. Students also learn how they can identify a valuable research topic in the field of sustainable development. Some elements are thereby generic, i.e. independent of a specific disciplinary perspective. Other elements are, to the contrary, highly dependent on the chosen disciplinary field. Still other elements are concerned with capturing intersections between the field. Against this backdrop, the class will be jointly given by the three teachers at the beginning, when it comes to unfold the generic components. Subsequently the group will split into three groups and the students will develop their research proposal along the specific requirements according their own focus areas.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Outline of the planned master's thesis' research design.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung

Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD students.
Anmeldung zur Lehrveranstaltung	Please register on MOnA as soon as possible (no additional course application). Only for MSD students.
Bemerkungen	Mandatory course for all students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for the "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. Plenary meetings for all participants/ 08.15 to 10h: - meeting 1: 21.09.20; - meeting 2: 05.10.20; - meeting 3: 23.11.20. Additional meetings according to agreements with responsible professors. This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

31938-01 Seminar: Qualitative Data Analysis in African Studies 3 KP

Dozierende	**Elisio Macamo**
Zeit und Ort	Mi 10:15-12:00 Rheinsprung 21, Seminarraum 00.004
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Soziologie
Module	Modul: Advances in Epidemiology, Statistics and Global & Public Health (Masterstudium: Epidemiologie) Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Near & Middle Eastern Studies und der Gesellschaftswissenschaften (MSF - Near & Middle Eastern Studies) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: qualitativ (MSF - Soziologie) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Research Skills (MSG - African Studies) Modul: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources) Modul: Areas: Afrika (MSG - Europäische Geschichte in globaler Perspektive)
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 Analysis. Sage. London. Saldana, Johnny 2009: The Coding Manual for Qualitative Researchers. Sage. London. Yin, Robert K. 2011: Qualitative Research from Start to Finish. The Guildford Press. New York
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
Hinweise zur Leistungsüberprüfung	Presentation; participants are required to submit three written reading responses during the semester.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch

48555-01 Seminar: Research Methods in Social and Political Science 3 KP

Dozierende	**Daniel Höhmann**
Zeit und Ort	Do 14:15-15:45 - Online Präsenz -
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Politikwissenschaft
Module	Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Theorien und Methodologien der Kulturanthropologie (MSF - Kulturanthropologie) Modul: Methoden der Near & Middle Eastern Studies und der Gesellschaftswissenschaften (MSF - Near & Middle Eastern Studies) Modul: Empirische Forschungsmethoden der Politikwissenschaft und der Gesellschaftswissenschaften (MSF - Politikwissenschaft) Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Research Skills (MSG - African Studies) Modul: 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 the 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: Cengate 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	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
Hinweise zur Leistungsüberprüfung	Attention: All Seminars will be graded in the Department of Political Science. Grading scale 6.0 to 1.0, whereupon 4.0 is a pass. Term paper (50%), 3 problem sets (50%)
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Deutsch
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.) The number of participants is limited to 25 people. The places are assigned according to date of enrollment and subject of study. Priority will be given to students of Political Science and Sociology.
Anmeldung zur Lehrveranstaltung	durch Belegen in MOnA
Bemerkungen	Attention: All Seminars will be graded in the Department of Political Science. Grading scale 6.0 to 1.0, whereupon 4.0 is a pass. The number of participants is limited to 25 people. The places are assigned according to date of enrollment and subject of study. Priority will be given to students of Political Science and Sociology.

49855-01 Tutorat: Research Methods in Social and Political Science — 2 KP

Dozierende	**Daniel Höhmann**
Zeit und Ort	Do 08:15-10:00 - Online Präsenz -
Datum	17.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Fachbereich Politikwissenschaft
Module	Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Empirische Forschungsmethoden der Politikwissenschaft und der Gesellschaftswissenschaften (MSF - Politikwissenschaft) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies)
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	Pass / Fail
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Anmelden: Belegen; Abmelden: nicht erforderlich
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Day and time as well as the room allocation are provisionary. That means they can all change. The exact day/time/room will be announced in September 2020. The number of participants is limited to 25 people. The places are assigned according to date of enrollment and subject of study. Priority will be given to students of Political Science and Sociology.
Anmeldung zur Lehrveranstaltung	Day and time as well as the room allocation are provisionary. That means they can all change. The exact day/time/room will be announced in September 2020.

Bemerkungen	Day and time as well as the room allocation are provisionary. That means they can all change. The exact day/time/room will be announced in September 2020. The number of participants is limited to 25 people. The places are assigned according to date of enrollment and subject of study. Priority will be given to students of Political Science and Sociology.

Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften

41684-01 Kolloquium: Modeling in Environmental and Energy Economics 3 KP

Dozierende	**Frank Christian Krysiak** Hannes Weigt
Zeit und Ort	Fr 14:15-16:00
Datum	18.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften)
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. The course consists of online material and supervised group work.
Literatur	All texts and materials (videos) are delivered through an online platform.
Weblink	https://wwz.unibas.ch/de/umweltoekonomie/lehre/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Performance will be assessed through an essay that describes the model that has been built and its results.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
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 (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

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

Dozierende	**Paul Burger** Patricia Holm Frank Christian Krysiak
Zeit und Ort	Mo 08:15-10:00 - Online Präsenz - Plenary meetings on: 21. September.; 05. October & 23. November 20: 08.15 - 10h. The course is taught online (live, no podcast).
Datum	21.09.2020
Intervall	unregelmässig
Angebotsmuster	Jedes Semester
Anbietende Organisationseinheit	Departement Umweltwissenschaften

Universität Basel

Module	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
Lernziele	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know to identify a valuable research topic in the field of sustainable development, to develop a related research question directed to a contribution to the scientific debate as well as designing a research approach (e.g. choice of methods) directed to answering the research question; - are able to characterize intersections between their approach and other disciplines as well as intersections to non-academic fields (such as politics, business etc.); - are familiar with formal requirements to a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).
Inhalt	Writing a master's thesis on a sustainability relevant topic is the masterpiece of the MSD study program. Students are expected to use productively their acquired knowledge (in terms of methods and sustainability related content) for analyzing a specific topic. However, developing a research design that copes with scientific scrutiny and accuracy is by far not an easy endeavour. Questions like 'How can I find an interesting topic?' or 'According to which criteria should I decide to go for a specific method?' or - and most important – 'Why and how do I have to link my research design to the ongoing scientific discourse?' are waiting to be answered. This course is thought to support the students in developing in a structured, systematic and scientific manner their research proposal. Students get familiar with necessary elements of a master thesis (problem framing, introduction, background, aims, hypothesis, research questions, methods, results, discussion, reflection/contribution to the scientific debate etc. Students also learn how they can identify a valuable research topic in the field of sustainable development. Some elements are thereby generic, i.e. independent of a specific disciplinary perspective. Other elements are, to the contrary, highly dependent on the chosen disciplinary field. Still other elements are concerned with capturing intersections between the field. Against this backdrop, the class will be jointly given by the three teachers at the beginning, when it comes to unfold the generic components. Subsequently the group will split into three groups and the students will develop their research proposal along the specific requirements according their own focus areas.
Leistungsüberprüfung	Lehrveranst.-begleitend
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
Hinweise zur Leistungsüberprüfung	Outline of the planned master's thesis' research design.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Veranstaltung
Unterrichtssprache	Englisch
Teilnahmevoraussetzungen	Exclusively for MSD students.
Anmeldung zur Lehrveranstaltung	Please register on MOnA as soon as possible (no additional course application). Only for MSD students.
Bemerkungen	Mandatory course for all students of MSD 2017 ("Preparation Master's Thesis" module). Students with focus area in natural science have to list this course in the learning agreement for the "Preparation Master's Thesis" module. For details see guidelines and medium-term syllabus. Plenary meetings for all participants/ 08.15 to 10h: - meeting 1: 21.09.20; - meeting 2: 05.10.20; - meeting 3: 23.11.20. Additional meetings according to agreements with responsible professors. This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

Universität Basel

14255-01 Vorlesung: Advanced Environmental Economics 3 KP

Dozierende	**Frank Christian Krysiak**
Zeit und Ort	Fr 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Auditorium The course will be taught on site in the classroom. If the number of participants exceeds the room capacity there will be an online live-stream simultaneously.
Datum	18.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)
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 applications to 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 (but not required) 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 some (minor) 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	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Performance will be assessed via a written exam at the end of the term. Exam: tbd
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
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. 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.
Anmeldung zur Lehrveranstaltung	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

12036-01 Vorlesung: Econometrics — 6 KP

Dozierende	Marius Faber **Kurt Schmidheiny**
Zeit und Ort	Mo 10:15-12:00 Bernoullianum, Grosser Hörsaal 148 Mi 10:15-12:00 Kollegienhaus, Aula 033 The course will be taught on site in the classroom with a simultaneous online live-stream.
Datum	16.09.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) (Pflicht) Kernmodul: VWL (Masterstudium: Wirtschaftswissenschaften) (Pflicht) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: 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 (2020), Introduction to Econometrics, 4th Global

	Edition, 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.schmidheiny.name/teaching/unibas/econometrics/
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
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:
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	Online-Angebot obligatorisch
Unterrichtssprache	Englisch
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 (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!
Bemerkungen	This course will be taught in a hybrid format in Fall 2020. Students can attend the class either virtually via Zoom or physically in the classroom. In order to sign up for physical attendance, you need to be registered for the course on MOnA. Details will be sent to registered students shortly before the first class. Seats will assigned on a first-come-first-served basis. 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 Vorlesung: Microeconomics and Psychology of Decision Making — 6 KP

Dozierende	C. Miguel Brendl **Georg Nöldeke**
Zeit und Ort	Di 16:30-18:00 - Online Präsenz - Mi 14:15-16:00 - Online Präsenz - There will only be two live-online dates: 24.11. and 9.12.2020
Datum	24.11.2020
Intervall	wöchentlich
Angebotsmuster	Jedes Herbstsemester
Anbietende Organisationseinheit	Wirtschaftswissenschaftliche Fakultät / WWZ
Module	Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics) (Pflicht) Kernmodul: BWL (Masterstudium: Wirtschaftswissenschaften) Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
Inhalt	Content: The course focuses on human decision behavior, from the perspectives of, both, 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.

Using observations from laboratory experiments, psychology describes how people make decisions, and then attempts to develop a theoretical understanding of the mental mechanism that led to these decisions. The theory is heavily guided by observations from experiments, as well as by psychological mechanisms that apply to behavior in general, not just decisions.

Psychology is about how people do decide, irrespective of whether these decisions are logically consistent, good or bad. The most influential psychological theory of decision making is Prospect Theory. While it grew out of the above approach, it differs from it because it was theoretically inspired by Expected Utility Theory developed in economics.

Expected Utility Theory does not rest on the kind of evidence inspiring the analysis of decision making in psychology. Rather, its foundations are a set of compelling axioms intended to capture core principles of rational decision making. This microeconomic approach leads to a coherent theory of decision making with many interesting applications, but inherent limitations in accommodating the kind of phenomena that psychology focuses on, which are commonly viewed as mere “errors” in decision making.

Studying both approaches to decision making will put you in a better position to recognize when each is appropriate, and when it is not.

Weblink	https://adam.unibas.ch
Leistungsüberprüfung	Semesterendprüfung
Skala	1-6 0,1
Wiederholungsprüfung	keine Wiederholungsprüfung
An-/Abmeldung zur Prüfung	Belegen via MOnA innerhalb der Belegfrist
Hinweise zur Leistungsüberprüfung	Written exam: Students' performance in parts 1 (Brendl) and 2 (Nöldeke) will be jointly graded. There will be no separate grade for either part 1 or part 2. The grade is based on the arithmetic mean of the points achieved in either part. The date will be published during the first week of the lectures.
Belegen bei Nichtbestehen	beliebig wiederholbar
Einsatz digitaler Medien	kein spezifischer Einsatz
Unterrichtssprache	Englisch
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 (studseksupport1@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 Econonomics with the lecture 40106 Game Theory and the Theory of the Firm which is taught in spring term.