

## Universität Basel

### Masterstudium: Sustainable Development

The aim of the MSD study program:

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

Academic degree:

Master of Science in Sustainable Development

Structure:

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

For detailed information regarding modules etc. we recommend to have a closer look at the study regulations (in German); 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 Economics.

From August 2020 to July 2022, the teaching committee (TC) is chaired by Prof. Dr. Paul Burger, head of the Sustainability Research Group, Department of Social Sciences, Faculty of Humanities and Social Sciences.

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

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:

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

Individual study counseling by appointment.

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

### Modul: Komplementärer Basisbereich Naturwissenschaften

50260-01	Vorlesung: Ecology and Evolution		1 KP
	<b>Dozierende</b>	<b>Jan Beck</b>	
	<b>Zeit und Ort</b>	Mi 14:15-16:00 Kollegienhaus, Hörsaal 117 14.15 to 15.45h, lecture days: 02.03.,16.03.,30.03.,27.04., 04.05., and 18.05.22. Final examination on 01.06.22	
	<b>Datum</b>	02.03.2022	
	<b>Intervall</b>	unregelmässig	
	<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
	<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften	
	<b>Module</b>	Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
	<b>Lernziele</b>	You will understand the scientific basis of ecological and evolutionary theory, which is a precondition to understand many applied issues in conservation, ecosystem management, agricultural sciences and other topics of human-environment relationships.	
	<b>Inhalt</b>	The course will provide you with sound background knowledge in ecology and evolutionary biology. While I will primarily treat basic science topics and principles in these fields, the topics were also chosen for their relevance for applied sciences such as conservation, agro-sciences and ecosystem management. We will treat the basics of evolutionary theory (e.g., common descent, natural selection, reproductive isolation and speciation), the genetic basis of evolution (e.g., mutation and recombination, selfish genes), and examples of human impact on evolution. The ecology part introduces basic concepts such as population growth, interspecific interactions, and the patterns of primary productivity and their consequences (among others). We will also look in detail at the geographic ranges of species and resulting	



**Literatur**

emergent phenomena, such as biodiversity. A global perspective on the human impact on biodiversity, and its feedback on human economy, will put this into applied perspective.  
Recommended textbooks:  
- Biogeography, 4th ed., by Mark V. Lomolino, Brett R. Riddle, and Robert J. Whittaker; Oxford University Press.  
- Ecology: From Individuals to Ecosystems, 4th ed., by Michael Begon, Colin R. Townsend, John L. Harper; Wiley-Blackwell  
- Evolution, 3rd ed. by Mark Ridley; Wiley-Blackwell.  
  
- The selfish gene by Richard Dawkins, Oxford University Press.  
- Collapse: how societies choose to fail or survive by Jared Diamond; Penguin Books.

All books are available at Basel university library.  
Additional journal article links or PDFs will be made available during the course (via ADAM).

**Leistungsüberprüfung**  
**Skala**  
**Wiederholungsprüfung**  
**An-/Abmeldung zur Prüfung**  
**Hinweise zur Leistungsüberprüfung**

Leistungsnachweis  
1-6 0,1  
eine Wiederholung, bester Versuch zählt  
An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA  
Regular attendance. Required readings and active participation.  
Written examination: 01.06.22: during usual lecture time and lecture room.  
Repeat examination on 08.06.22, during usual lecture time; room tba.

**Belegen bei Nichtbestehen**  
**Einsatz digitaler Medien**  
**Unterrichtssprache**  
**Teilnahmevoraussetzungen**

beliebig wiederholbar  
kein spezifischer Einsatz  
Englisch  
Participation only possible for MSD students (incl. preparation semester).

**Anmeldung zur Lehrveranstaltung**

Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).

**Bemerkungen**

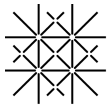
MSD 2017  
Mandatory for students with focus area in social sciences and in economics. Unless you have a background in natural sciences and have already attended a similar course; you would have to substitute it by agreement with Prof. Dr. Patricia Holm (learning agreement).

For students with focus area in natural sciences the lecture is optional (and can be attended if you have not attended a similar course already) credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement).

Schedule lectures:  
14.15-15.45h: on the following dates: 02.03., 16.03., 30.03., 27.04.  
04.05., and 18.05.22.  
Final examination on 01.06.22/usual lecture time and lecture room.  
Repeat examination on 08.06.22, during usual lecture time.

This lecture is offered by MSD. Dr. J. Beck holds a teaching assignment. For more information on Jan Beck see: <https://orcid.org/0000-0003-1170-4751>

36792-01	Vorlesung: Terrestrial ecosystem ecology and sustainable land use	2 KP
	<b>Dozierende</b>	<b>Ansgar Kahmen</b>
	<b>Zeit und Ort</b>	Do 14:15-16:00 Botanik, Hörsaal 00.003
	<b>Datum</b>	24.02.2022
	<b>Intervall</b>	wöchentlich
	<b>Angebotsmuster</b>	Jedes Frühjahrsem.
	<b>Anbietende Organisationseinheit</b>	Integrative Biologie
	<b>Module</b>	Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften) Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie) Modul: Biologie 5 (Bachelorstudium: Biologie) Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)
	<b>Lernziele</b>	You learn about: - the concept of ecosystem goods and services and the multifunctionality of land use - key processes determining energy, carbon nitrogen and water cycling in ecosystems - the impacts of global environmental changes on biogeochemical cycles



<b>Inhalt</b>	- the role of biodiversity for ecosystem functioning Terrestrial ecosystems provide ecosystem goods and services (carbon sequestration, nutrient cycling, water purification) that we as people depend on. The delivery of these ecosystem goods and services is tightly coupled to biogeochemical cycles that determine the fluxes of carbon, water or nutrients in ecosystems. In «Terrestrial ecosystem ecology and sustainable land use» we will present the key mechanisms that drive biogeochemical cycles in terrestrial ecosystems from leaf to globe. We will explain the impact of global environmental change (climate change, nitrogen deposition, loss of biodiversity, land use changes) on biogeochemical cycles and ecosystem services and will discuss sustainable management strategies that can mitigate these impacts. In essence, this class will teach the ecological principles that underlie the sustainable use of natural and agricultural ecosystems.
<b>Literatur</b>	- Canadell JG, et al. (2007) Terrestrial ecosystems in a changing world. Springer Verlag. - Chapin FS, Matson PA, Mooney HA (2002) Principles of terrestrial ecosystem ecology. Springer Verlag. - Lambin EF, Geist HJ (2006) Land-use and land-cover change. Springer Verlag. - Newton PCD, et al. (2007) Agroecosystems in a changing climate. CRC. - Schlesinger W (1997) Biogeochemistry. Academic Press. - WRI - World Resources Institute (2000) World Resources 2000-2001: People and ecosystems, the fraying web of life. World Resources Institute. - Millenium Ecosystem Assessment - Ecosystems and Human Well-being (2005) Island Press. - Naeem S, et al. (2009) Biodiversity, Ecosystem Functioning, and Human Wellbeing. Oxford University Press. - Altieri, M. A. Agroecology: The Science of Sustainable Agriculture. Boulder, CO: Westview Press, 1995. - Gliessman, S. R. Agroecology: Ecological Processes in Sustainable Agriculture. Boca Raton, FL: CRC Press, 2000.
<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	End-of-semester written exam, 45 minutes 09.06.2022, 9am or 08.09.2022, 9am, Botanik Hörsaal 00.003
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch

40076-01 Vorlesung mit Übungen: Technical Basis of Generation, Distribution and Storage of Energy 3 KP

<b>Dozierende</b>	<b>Wolfgang Hoffelner</b>
<b>Zeit und Ort</b>	Di 10:15-12:00 Kollegienhaus, Hörsaal 115
<b>Datum</b>	22.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Modul: Komplementärer Basisbereich Naturwissenschaften (Masterstudium: Sustainable Development)
<b>Lernziele</b>	Students - know the technical/scientific background behind the various methods and plants for energy production; - know the technical/scientific background of future energy systems (production, distribution, storage, recovery); - are able to judge about advantages and limitations of future energy concepts; - are able to judge about future national and international energy concepts and scenarii.
<b>Inhalt</b>	The current discussions about the future of our planet are closely related to production and use of energy. This is particularly true for the development of future energy strategies as well as current discussions concerning scenarios for production and use of energy. During the course the students will get a deeper understanding of technical, physical and chemical backgrounds behind various kinds of energy as well as its production technologies. The variety of future power plants and the expected complexity of the use of energy require also knowledge about energy storage and energy distribution. Recovery of energy, which is based on the conversion of energy, is a basic element in energy saving and needs understanding of physical-chemical processes. The lecture shall enable students to objective and critical discussions concerning the complex concepts of future energy matters. In addition to the



local Swiss requirements also the global dimension of energy will be considered. Possible discussion points are:

- Basis of Energy Systems
- Renewable Energies
- Traditional Energy
- Energy Storage and Recovery
- Smart Grids
- Energy and Mobility.

<b>Literatur</b>	Literature will be given throughout the semester.
<b>Leistungsüberprüfung</b>	Leistungsnachweis
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	eine Wiederholung, bester Versuch zählt
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance. Required readings and active participation incl. oral presentation. Written examination on 31.05.2022, during usual lecture time and lecture room. Repeat examination: in June, date and room tba.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Only for students of the MSD (incl. preparation semester). Students of IJSD according to agreement with Prof. P. Burger.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
<b>Bemerkungen</b>	MSD 2017 Mandatory for students with focus area in social sciences and in economics. Unless you have a background in natural sciences and have already attended a similar course; you would have to substitute it by agreement with Prof. Dr. Patricia Holm (learning agreement).  For students with focus area in natural sciences the lecture is optional (and can be attended if you have not attended a similar course already) credit points are to be transferred to the "Focal Areas in Sustainability Research" module (learning agreement).

This lecture is offered by MSD. Dr. Wolfgang Hoffelner holds a teaching assignment.

**Modul: Komplementärer Basisbereich Gesellschaftswissenschaften**

17403-01	Seminar: Governance, Sustainable Development and Democracy	3 KP
<b>Dozierende</b>	<b>Rony Emmenegger</b>	
<b>Zeit und Ort</b>	Mo 14:15-16:00 Alte Universität, Seminarraum -201	
<b>Datum</b>	21.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	The participants - are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them; - have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts.	
<b>Inhalt</b>	Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management	



of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society.

This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? What are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts? And, what are the implications of environmental change for the ways governance and democracy can be organized at and across spatial and temporal scales?

The seminar addresses the relationship between governance, sustainable development and democracy in theoretical and empirical respects. First, it will lay a theoretical fundament by introducing the concepts of governance, sustainable development and democracy. Second, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Third, a number of case studies of sustainability governance in different fields will provide an opportunity to analyze the democratic problem-solving capacity of different governance arrangements in various contexts. Finally, further theoretical and practical perspectives of democratic governance for sustainable development are sketched out.

**Literatur**  
**Leistungsüberprüfung**  
**Skala**  
**Wiederholungsprüfung**  
**An-/Abmeldung zur Prüfung**  
**Hinweise zur Leistungsüberprüfung**  
**Belegen bei Nichtbestehen**  
**Einsatz digitaler Medien**  
**Unterrichtssprache**  
**Teilnahmevoraussetzungen**

Relevant literature tba during the seminar.

Lehrverant.-begleitend

1-6 0,1

keine Wiederholungsprüfung

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

Regular attendance, required readings, oral presentation, essay.

beliebig wiederholbar

kein spezifischer Einsatz

Englisch

Special course application required (for details see "course application" or "Anmeldung"); Seminar is full.

Limited number of participants (25):

Students of the MSD with focus area in natural sciences and economics (incl. prep. semester) and those of the JIDSD have a first priority. MSD students with focus area in social sciences have a second priority, those of the listed programs (see list of modules) have a third priority. If you don't study the MSD or one of the listed programs you must do 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 (= priority level four).

Additional entry requirements for participants who do not study the MSD (incl. preparation semester) or JIDSD:

They must have passed successfully one of the following lectures (= credit points already acquired) during a former semester:

- 11513: Sustainability: A new Societal Paradigm?

- 41829: Perspectives of Social Sciences on Sustainability.

**Anmeldung zur Lehrveranstaltung**  
**Bemerkungen**

Seminar is full, no course enrollment on MOnA possible anymore.

Please note entry requirements and mandatory course application procedure (additional to registration on MOnA): Seminar is full, no course enrollment on MOnA possible anymore.

MSD 2017

Mandatory for students with focus area in natural sciences and in economics (unless you have passed a similar class in a former semester, then you would have to substitute it by agreement with Prof. Dr. Paul Burger and fix this in a learning agreement).

For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may accredit the credit points for the published module or transfer them to the "Focal Areas in Sustainability Research" module (learning agreement).

The seminar is offered by MSD. Dr. Rony Emmenegger is a post doc staff member of the

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?	3 KP
<b>Dozierende</b>	<b>Paul Burger</b>	
<b>Zeit und Ort</b>	Mi 08:15-10:00 Kollegienhaus, Hörsaal 115	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model.	
<b>Inhalt</b>	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice.	
<b>Literatur</b>	Literature tba during lecture.	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	eine Wiederholung, bester Versuch zählt	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance and active participation. Final assessment: written examination on 01.06.22: during usual teaching time slot. Repeat examination: in June, Details tba.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	For MSD students (incl. preparation semester), those of the IJSD and the listed degree programs (see list of modules). Other students must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences.	
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).	
<b>Bemerkungen</b>	Only for MSD students (incl. preparation semester), those of the IJSD and the listed degree programs (see list of modules). Other students must do a master's degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences. MSD 2017 Mandatory lecture for all. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the former degree. If a) or b) applies you have to register for a different course according to prior agreement with Prof. Dr. P. Burger.  This lecture is offered by MSD. Prof. Dr. Paul Burger is a member of the Teaching Committee MSD and head of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences, University of Basel	



<b>Dozierende</b>	Noëlle Fricker <b>Frank Christian Krysiak</b> Christian Nolde
<b>Zeit und Ort</b>	Mo 16:15-18:00 Kollegienhaus, Hörsaal 118 Di 12:15-14:00 Kollegienhaus, Hörsaal 118 The course will be taught "in class". Livestream only for students with really good reason (quarantine, ...), no recording.
<b>Datum</b>	21.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ
<b>Module</b>	Modul Economics (ECON) II (Bachelorstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Aufbau Economics (Bachelorstudium: Wirtschaftswissenschaften) Modul: Komplementärer Basisbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Wirtschaft in Osteuropa (BSF - Osteuropäische Kulturen) Modul: Wahlbereich in Wirtschaftswissenschaften (BSF - Wirtschaftswissenschaften) Wahlbereich Bachelor Wirtschaftswissenschaften: Empfehlungen (BSF - Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Wirtschaft in Osteuropa (BSG - Osteuropa-Studien)
<b>Lernziele</b>	After taking this course you will know how to analyse environmental policy using the tools of economics. You will know economic concepts for understanding the causes of environmental degradation and for setting the objectives of environmental policy. You will be able to apply microeconomic theory to analyze the mechanisms via which different policy instruments influence the environmental behavior of firms. At the example of exhaustible and renewable resources, you will have learned how to analyze cases where present actions have long-lasting environmental consequences.
<b>Inhalt</b>	Economic and ethical foundations of environmental policy, external effects, policy instruments and their effects, measurement of external effects, economics of exhaustible resources, economics of renewable resources, economics of climate change.
<b>Literatur</b>	R. Perman, Y. Ma, J. McGilvray, M. Common and D. Maddison (2011), "Natural Resource and Environmental Economics", 4th edition, Pearson Education.
<b>Weblink</b>	<a href="https://wwz.unibas.ch/de/umweltoekonomie/lehre/">https://wwz.unibas.ch/de/umweltoekonomie/lehre/</a>
<b>Leistungsüberprüfung</b>	Leistungsnachweis
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	There will be a written exam at the end of the term as well as 4 short tests (during selected exercise sessions). To be admitted to the final exam, you have to pass 3 out of the 4 short tests (the enrollment of students who do not meet this criterion will be cancelled). The grading will be based solely on your performance in the final exam. written exam: 20.06.22: 16:30-18:00. DSBG Sporthalle: A-Z. Für diese Klausur erhalten Sie noch zusätzliche Informationen per Email. Sie müssen frühestens 20 Minuten vor dem Beginn der Prüfung vor Ort sein.  Die Adressen der Prüfungsräume finden Sie hier: <a href="https://wwz.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/">https://wwz.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/</a>
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch



<b>Teilnahmevoraussetzungen</b>	Students should either have passed 10130 (Einführung in die VWL) or 48981 (Intensive Introduction to Intermediate Economics). If you have done 10130, it is recommended (but not required) to also do intermediate microeconomics (10134) before starting environmental and resource economics.
<b>Anmeldung zur Lehrveranstaltung</b>	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!
<b>Bemerkungen</b>	The course will be taught "in class". Livestream only for students with really good reason (quarantine, ...), no recording.

**Modul: Interdisziplinäre Forschung zu Nachhaltigkeit**

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

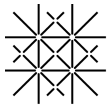
<b>Dozierende</b>	<b>Paul Burger</b> Patricia Holm Frank Christian Krysiak
<b>Zeit und Ort</b>	Fr 14:15-19:00 - Online Präsenz - 04.03.22; 22.04.22; and 03.06.22, for details see section comments (Bemerkungen).
<b>Datum</b>	04.03.2022
<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Semester
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
<b>Lernziele</b>	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.
<b>Inhalt</b>	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.
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	Pass / Fail
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory. Details regarding course assessment according to information of the lecturers at the beginning of the first meeting.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	Online-Veranstaltung
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Exclusively for MSD-students.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).  Exclusively for MSD-students.
<b>Bemerkungen</b>	Schedule spring semester 2022: Meeting 1: 04.03.22: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 22.04.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 03.06.22: 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 colloquia take 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
<b>Dozierende</b>	<b>Paul Burger</b> Patricia Holm Frank Christian Krysiak	
<b>Zeit und Ort</b>	Fr 14:15-19:00 - Online Präsenz - 04.03.22; 22.04.22; and 03.06.22, for details see section comments (Bemerkungen).	
<b>Datum</b>	04.03.2022	
<b>Intervall</b>	unregelmässig	
<b>Angebotsmuster</b>	Jedes Semester	
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften	
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
<b>Lernziele</b>	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.	
<b>Inhalt</b>	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.	
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend	
<b>Skala</b>	Pass / Fail	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory. Oral presentation of 15' minutes, followed by questions and discussion.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	Online-Veranstaltung	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Only for students of the MSD 2017 whose application of the "master's thesis" has been approved by the teaching committee. Students are supposed to present during the first session of the colloquium after approval (usually takes place 10 days later), the detailed program is sent by the coordination office MSD.	
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).  Exclusively for MSD-students.	
<b>Bemerkungen</b>	Schedule spring semester 2022: Meeting 1: 04.03.22: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 22.04.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 03.06.22: 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 colloquia take 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
<b>Dozierende</b>	<b>Paul Burger</b> Patricia Holm Frank Christian Krysiak	
<b>Zeit und Ort</b>	Fr 12:15-19:00 - Online Präsenz - 04.03.22; 22.04.22; and 03.06.22, for details see section comments (Bemerkungen).	
<b>Datum</b>	04.03.2022	



<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Semester
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
<b>Lernziele</b>	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.
<b>Inhalt</b>	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.
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	Pass / Fail
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory. Oral presentation of 15' minutes, followed by questions. Students have to register for a presentation on doodle: <a href="https://doodle.com/poll/gi3m2s83tybyqgg?utm_source=poll&amp;utm_medium=link">https://doodle.com/poll/gi3m2s83tybyqgg?utm_source=poll&amp;utm_medium=link</a> beliebig wiederholbar
<b>Belegen bei Nichtbestehen</b>	Online-Veranstaltung
<b>Einsatz digitaler Medien</b>	Englisch
<b>Unterrichtssprache</b>	Only for students of the MSD 2017 who are already able to present the results of the master's theses.
<b>Teilnahmevoraussetzungen</b>	The theses have to be completed at least up to 80% or may have already been submitted prior to the final presentation.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).  Exclusively for MSD-students.  Students have to register for a presentation on doodle: <a href="https://doodle.com/poll/gi3m2s83tybyqgg?utm_source=poll&amp;utm_medium=link">https://doodle.com/poll/gi3m2s83tybyqgg?utm_source=poll&amp;utm_medium=link</a>  For prerequisites see "Admission requirements". Presentation time slots according to announcements.
<b>Bemerkungen</b>	Schedule spring semester 2022: Meeting 1: 04.03.22: starts at 14.15h (duration depends on the number of presentations). Meeting 2: 22.04.22: starts at 14.15h (duration depends on the number of presentations). Meeting 3: 03.06.22: 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 colloquia take place).  This course is offered by MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

43494-01 Kolloquium: Survey Research Methodology 3 KP

<b>Dozierende</b>	<b>Daniel Auer</b>
<b>Zeit und Ort</b>	Mo 08:15-12:00 Wirtschaftswissenschaftliche Fakultät, Grosses PC-Labor S18 HG.37 The course will be taught "in class".
<b>Datum</b>	28.02.2022
<b>Intervall</b>	14-täglich
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ



<b>Module</b>	<p>Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)</p> <p>Modul: Specific Electives in Finance, Controlling, Banking (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Technology Field (Masterstudium: Business and Technology)</p> <p>Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>
<b>Lernziele</b>	<p>1. Learn survey and survey experiment methods from an applied, practical point of view, 2. Learn how to use them in research by doing, 3. Learn fundamental and application of causal inference.</p>
<b>Inhalt</b>	<p>The course is an applied methods colloquium taught at a master's degree level. The main goal is to prepare us for conducting simple research and writing a short version of an academic report using a survey or survey-experiment method. The course covers two major areas: (1) the nature of surveys, including the typical psychology of attitude expressions, issues of question wording, context, and social desirability. Moreover, we learn how to implement online surveys; (2) the logic of causal inference and how to analyze and interpret treatment effects (for survey experiments).</p> <p>Survey-based data collection enables various interesting empirical studies. For example, public opinion studies investigate simple but fundamental puzzles around us. Why did (or did not) somebody vote, think, or behave in a certain way? Would people hold different perceptions on the same topic, product, or policy if some "X" happened?</p> <p>We will cover related theory and discuss contemporary empirical applications from economics, political science, and sociology. In parallel, students will draft and field their own surveys. The topic can be chosen freely and may relate to students' term papers or MA theses. The goal of the practical part of this course is to highlight advantages and caveats of survey research in a hands-on manner.</p> <p>For learning about and conducting surveys and survey experiments, we will use Qualtrics as a survey software and Stata for computing simple statistics, such as treatment effects. (Students are welcome to use R for their own analyses but the applied sessions in class will only cover Stata).</p> <p>Basic knowledge of statistics and regressions (e.g., OLS) would be beneficial. If you have concerns about necessary prerequisites, do not hesitate to contact me at the beginning of the semester (daniel.auer@uni-mannheim.de).</p>
<b>Literatur</b>	tba
<b>Weblink</b>	<a href="https://daniel-auer.com/teaching/">https://daniel-auer.com/teaching/</a>
<b>Leistungsüberprüfung</b>	Leistungsnachweis
<b>Skala</b>	Pass / Fail
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOa
<b>Hinweise zur Leistungsüberprüfung</b>	(1) Active participation, (2) Presentation of a scientific study/design challenge, (3) Written seminar paper (3000 words).
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	<p>The course will use examples from economics, political science, and sociology, often related to inequality, attitudes, and individual preferences. For class assignments and research notes, however, students can choose their own topic of interest. Basic knowledge of sampling and statistics would be useful. Basic knowledge of Stata is also useful (R as an alternative).</p> <p>Participation rule for MSD students: This is a mandatory class for all MSD students. Nonetheless, if you have attended the colloquium "50768: Survey Data Collection and Analytics" with Prof. Dr. A. Kachi and earned CP for it in a former semester you are not allowed to enrol for this colloquium 43494 and therefore, cannot earn CP anymore.</p>
<b>Anmeldung zur Lehrveranstaltung</b>	Registration: Please enrol in MOa. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.
<b>Bemerkungen</b>	Students are asked to bring their own laptops to the classes and have Stata installed. The course will be taught "in class".



<b>Dozierende</b>	<b>Annika Sohre</b>
<b>Zeit und Ort</b>	Mi 10:15-12:00 Kollegienhaus, Hörsaal 115
<b>Datum</b>	23.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	unregelmässig
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
<b>Lernziele</b>	By the end of the semester the participants will have acquired the skills to carry out interviews and content analysis in the field of sustainability research.
<b>Inhalt</b>	<p>This hands-on course will teach techniques of qualitative methods in the social sciences, with a particular focus on interviews and content analysis. It will include background and practical aspects of data collection and data analysis.</p> <p>Specifically, in plenary sessions participants will gain a background on qualitative methods, on data collection (e.g., sampling strategies, techniques for developing guidelines ("Leitfaden"), according to different research designs, techniques for conducting interviews, dos and don'ts, challenges, recording and transcriptions, ethics, etc.) and on data analysis (content analysis, reference to MaxQDA and other analytical methods like discourse analysis/ ethnographic methods).</p>
<b>Literatur</b>	<p>Recommendation (to orient yourself, details will be provided during the semester):</p> <p>Fahy, F., &amp; Rau, H. (Eds.) (2013). <i>Methods of Sustainability Research in the Social Sciences</i>. London: Sage Publications.</p> <p>Kruse, J., &amp; Schmieder, C. (2014). <i>Qualitative Interviewforschung</i>. Beltz Juventa.</p> <p>Mayring, P. (2004). Qualitative content analysis. <i>A companion to qualitative research</i>, 1(2004), 159-176.</p> <p>Moses, J. W., &amp; Knutsen, T. L. (2012). <i>Ways of knowing: Competing methodologies in social and political research</i> (2nd ed.). New York, NY: Palgrave Macmillan.</p> <p>Ritchie, J., Lewis, J., Nicholls, C. M., &amp; Ormston, R. (Eds.). (2013). <i>Qualitative research practice: A guide for social science students and researchers</i>. Sage.</p> <p>Weis, L., &amp; Fine, M. (2000). <i>Speed bumps: A student-friendly guide to qualitative research</i>. Teachers College Press.</p>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Students will be divided into working groups to develop, collect data on and analyse interviews. Each group will present the results of their research and write a group report.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	<p>NO other students admitted.</p> <p>Only for MSD students (incl. preparation semester) and students of the IJSD. Not possible to attend this course if you have attended 50901, 55161 or 63550 in a former semester (details see "Bemerkungen"/"comments").</p>
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
<b>Bemerkungen</b>	<p>No additional course application required. Only for MSD students and those of the IJSD. NO students of other programs than the MSD and JIDSD admitted. Mandatory course for all MSD students (for the IRS module; transfer to other module is not possible!).</p> <p>Students who have attended '50901: Qualitative Data Analysis: Analyzing Text and Talk', or '55161 or 63550: Sozialforschung und Methodologie' in a former semester are not accepted to this course anymore.</p> <p>This course is offered by MSD. Dr. A. Sohre is a post doc staff member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.</p>

50729-01	Projekt: Training for Sustainability Research	6 KP
<b>Dozierende</b>	<b>Paul Burger</b> Marius Christen Patricia Holm Frank Christian Krysiak Clara Leistenschneider Annika Sohre	
<b>Zeit und Ort</b>	Do 08:15-10:00 Rosshofgasse (Schnitz), Seminarraum S 02 meeting 1: 03.03.22: 08.15-09.45 am; meeting 2: 31.03.22: 08.15-10.45 am; meeting 3: 28.04.22: 08.15-10.45 am; meeting 4: 02.06.22: 08.15-11.45 am.	
<b>Datum</b>	03.03.2022	
<b>Intervall</b>	unregelmässig	
<b>Angebotsmuster</b>	Jedes Frühjahrssem.	
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften	
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)	
<b>Lernziele</b>	Participants learn to work in an interdisciplinary group on a topic that is linked to sustainability research. They acquire practical knowledge regarding the interfaces between disciplines in sustainability research and methods for combining perspectives from different disciplines. Further, they gain knowledge about relevant ecological, economic and societal factors of the mobility system in Switzerland. In addition, participants expand their skills in team and project management.	
<b>Inhalt</b>	Participants will work in small, interdisciplinary groups on pre-selected topics of sustainability research. The topics will be linked to an on-going research project 'Mobility Futures 2050'. The group work will mainly build on existing studies: the student groups will assess and link scientific literature from the different disciplines and combine these studies to a consistent interdisciplinary review on a given topic. The emphasis is thus on identifying relevant literature, specifying the research question and combining disciplinary debates to an overall perspective. The results will be fed into the scenario modelling process in the course "Integrative Methods" given by Prof. Burger, hence there will be interaction between the two courses. Attending both can be an add-on, but is not a requirement. To this end, participants will get both a joint supervision focusing on how to combine disciplinary approaches and a group-specific supervision focusing on the topic set for the group work.	
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Groups hand in a joint essay; presentations of group work.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Only for MSD students (incl. preparation semester) and those of the IJSD. No other students admitted.	
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).	
<b>Bemerkungen</b>	Mandatory for all students of MSD 2017. plenary sessions on: meeting 1: 03.03.22: 08.15-09.45 am; meeting 2: 31.03.22: 08.15-10.45 am; meeting 3: 28.04.22: 08.15-10.45 am; meeting 4: 02.06.22: 08.15-11.45 am (incl. final presentations).  Meetings in between with faculty representatives according to announcements. This course is offered by MSD. Prof. P. Holm, Prof. Dr. P. Burger (lead) and Prof. Dr. F. Krysiak are heading the MSD teaching committee. Dr. M. Christen and Dr. A. Sohre hold teaching assignments. Clara Leistenschneider is a PhD student working in the research group Man-Society-Environment (Mensch-Gesellschaft-Umwelt MGU).	

48955-01	Seminar: Tools and Methods of Natural Sciences Research	3 KP
<b>Dozierende</b>	<b>Joschka Wiegleb</b>	
<b>Zeit und Ort</b>	Mo 12:15-14:00 Kollegienhaus, Hörsaal 115	



<b>Datum</b>	21.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Modul: Interdisziplinäre Forschung zu Nachhaltigkeit (Masterstudium: Sustainable Development)
<b>Lernziele</b>	<p>The students</p> <ul style="list-style-type: none"> <li>- understand the difference between a scientific and a non-scientific approach to a question;</li> <li>- can formulate scientific hypotheses and can distinguish them from a question or idea;</li> <li>- and know about the difference between an observation and an experiment, induction and deduction, empiricism and rationalism, descriptive and experimental approaches.</li> </ul> <p>The students</p> <ul style="list-style-type: none"> <li>- understand the influence of observer, equipment, and experimental design on the outcome of an experiment;</li> <li>- know about sample sizes, research design, and error types;</li> <li>- understand the importance of positive / negative controls and standards.</li> </ul> <p>The students</p> <ul style="list-style-type: none"> <li>- know natural science methods that are important in the context of sustainability, such as molecular species identification, water quality parameters, behavioral assays, community assessments, assays for chemical contaminants, and others;</li> <li>- and know what kind of information these methods can provide and are aware of their limitations.</li> </ul>
<b>Inhalt</b>	<p>We will mix lectures, case studies, and self-organized work shadowing to gain knowledge about selected methods and approaches of the natural sciences. G. Erni Cassola will provide input on the scientific method in general and on specific methods, occasionally with the help of guest speakers.</p> <p>In addition, students will collect methodological expertise during work shadowing and literature work. The seminar will focus on methods which are relevant for sustainable development topics.</p>
<b>Literatur</b>	<p>Optional reading: Godfrey-Smith, Peter (2003): Theory and Reality: An Introduction to the Philosophy of Science. The University of Chicago Press: Chicago and London.</p> <p>Material handed out during the semester/seminar.</p>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance, active participation, oral presentation and written report.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Only for MSD students (incl. preparation semester). No other students admitted.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
<b>Bemerkungen</b>	<p>Mandatory seminar for all MSD students.</p> <p>This seminar is offered by MSD. Dr. des. Joschka Wiegleb is a staff member of MGU (Mensch-Gesellschaft-Umwelt), Dep. of Environmental Sciences, Faculty of Natural Sciences.</p>

**Modul: Kernbereich Naturwissenschaften**

24172-01	Exkursion: Marine Biological Considerations at the Strait of Gibraltar	3 KP
<b>Dozierende</b>	Karen Bussmann <b>Patricia Holm</b>	
<b>Zeit und Ort</b>	Di 18:15-19:15 Vesalianum, Seminarraum (O2.02) preliminary meeting: 01.03.22: 18.15h preparation day: will be agreed with participants (date will be in June) field trip: Sun 26.06. (arrival day) to Sun 03.07.22 (deparature day)	
<b>Datum</b>	01.03.2022	



<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Lehrveranstaltungen Masterstudium Biologie der Tiere (Masterstudium: Biologie der Tiere) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)
<b>Lernziele</b>	Students - are able to distinguish key species of the food web; - have a knowledge about their habitat requirements and basic knowledge on their interactions with abiotic and biotic factors in their ecosystem; - know typical fields of conflict between man and nature; and are able to critically discuss possible solutions.
<b>Inhalt</b>	Practical studies of the food web (plankton, invertebrates, predators) and key aspects of a selected ecosystem. Theoretical background of selected topics at the intersection of aquatic biology of either freshwater or marine systems in interaction with anthropogenic factors.
<b>Literatur</b>	tba
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Oral presentation and practical work during field trip, report.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	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 22).  If you study something different you must do at least a master's degree within the Departement of Environmental Sciences/Faculty of Sciences and may attend the course in case of vacancies.  MSD 2017 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. spring semester 2022).
<b>Anmeldung zur Lehrveranstaltung</b>	Mandatory application for ALL: Link for application open: 01.03.22/19.15h until 20.03.22/ midnight: <a href="https://adam.unibas.ch/goto_adam_fold_744950.html">https://adam.unibas.ch/goto_adam_fold_744950.html</a>  Login on top row right hand side of ADAM website. The link is open as soon as the application form is online and remains open until 20.03.22.  Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five). Note: Special course inscription and entry requirements! Those who have attended the field trip to Tarifa in a former semester cannot register again.
<b>Bemerkungen</b>	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 also accredit the course within the published module.  Schedule: - preliminary meeting: 01.03.22, 18.15-19.15h; - preparation meeting: date will be agreed with participants (usually a day in June, 09.15 - aprox. 17.00h); - field trip: Sun 26.06.22 (arrival day) - Sun 03.07.22 (departure day). Details will be provided to participants in due time.



This field trip is offered by the 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.

64278-01	Kolloquium: MSD Life Science		1 KP
	<b>Dozierende</b>	<b>Patricia Holm</b>	
	<b>Zeit und Ort</b>	Joschka Wiegleb	
	<b>Datum</b>	Di 16:15-17:00	
	<b>Intervall</b>	wöchentlich	
	<b>Angebotsmuster</b>	einmalig	
	<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften	
	<b>Module</b>	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
	<b>Lernziele</b>	Participants will - practice and improve their performance skills in the context of a presentation of scientific scientific data; - practice and improve their ability to critically discuss scientific articles; - acquire knowledge about current topics, approaches and methods of scientific sustainability research (from the perspective of the natural sciences).	
	<b>Inhalt</b>	- Current topics, scientific approaches and new methods in ecology and sustainable development; - presentation and discussion of own research projects (including master's theses); - presentation and discussion of important, groundbreaking publications.	
	<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend	
	<b>Skala</b>	Pass / Fail	
	<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
	<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
	<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory. Oral presentation. Details according to information of P. Holm.	
	<b>Belegen bei Nichtbestehen</b>	nicht wiederholbar	
	<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
	<b>Unterrichtssprache</b>	Englisch	
	<b>Teilnahmevoraussetzungen</b>	Only for MSD-students with focus area in natural sciences; and PhD students, post docs and staff members of MGU.	
	<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).	
	<b>Bemerkungen</b>	MSD: Compulsory course for ALL students with focus area in natural sciences (regardless of how the supervision and assessment of the Master's thesis is going to be organized). When to enroll for the colloquium is determined in consultation with Prof. Dr. P. Holm.  Furthermore, the colloquium is for PhD students of MGU. The crediting of the course is arranged in consultation with P. Holm.  This course is offered by MSD. Prof. Dr. P. Holm is head of MGU and TQNE and is member of the teaching committee MSD.	

23832-01	+ Vorlesung: Oceanography: Regional Oceanography and Marine Ecosystems		2 KP
	<b>Dozierende</b>	<b>Moritz Lehmann</b>	
	<b>Zeit und Ort</b>	Do 10:15-12:00 Bernoullistrasse 30/32, Hörsaal 103	
	<b>Datum</b>	24.02.2022	
	<b>Intervall</b>	wöchentlich	
	<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
	<b>Anbietende Organisationseinheit</b>	Geowissenschaften	
	<b>Module</b>	Modul: Aquatic and Isotope Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	





<b>Lernziele</b>	Ziel der Vorlesungsveranstaltung ist es, ein besseres Verständnis der physischen, chemischen, und biogeochemischen Verhältnisse typischer mariner Ökosysteme und ausgewählter Meeresgebiete zu erlangen.
<b>Inhalt</b>	Aufbauend auf der Vorlesung Umweltsystem Ozean I: Einführung In die Ozeanographie werden in einer Einführung die wichtigsten Grundlagen der modernen Ozeanographie und der grossskaligen Hydrographie der Ozeane wiederholt. Es wird konkret auf Verhältnisse in bestimmten Meeresregionen (tropisch, subtropisch, polar, Auftriebsgebiete, Randmeere) eingegangen und Besonderheiten der verschiedenen marinen Ökosysteme (z.B. Schelfmeere/ Küste, Tiefsee, ästuarine Systeme) besprochen. Dabei werden speziell auch biogeochemische Prozesse behandelt, welche an den Grenzschichten zur Atmosphäre und zu den Sedimenten stattfinden.
<b>Literatur</b>	Es werden wöchentlich vorlesungsbegleitende Unterlagen (PPT-Präsentationen) und ggf. Artikel aus wissenschaftlichen Zeitschriften ausgegeben.  Bücher: - The Open University. Oceanography Course Team. Mehrere Bände, Pergamon Press 1989 ff - Tomczak und Godfrey: Regional Oceanography: An Introduction, Pergamon Press, 1996 <a href="https://duw.unibas.ch/de/bgc/">https://duw.unibas.ch/de/bgc/</a>
<b>Weblink</b>	
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Semesterendklausur und Referat zu ausgewählten Themen der Vorlesung.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	Online-Angebot fakultativ
<b>Unterrichtssprache</b>	Deutsch
<b>Bemerkungen</b>	In der zweiten Semesterhälfte findet die Vorlesungsveranstaltung im Seminarstil statt.

27336-01 Vorlesung: Pflanzenschutz und nachhaltiger Pflanzenbau 1 KP

<b>Dozierende</b>	Pascale Flury <b>Dominik Klauser</b>
<b>Zeit und Ort</b>	Di 16:15-18:00 Botanik
<b>Datum</b>	22.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	Jedes Frühjahrsem.
<b>Anbietende Organisationseinheit</b>	Integrative Biologie
<b>Module</b>	Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften) Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Wahlbereich Bachelor Biologie: Empfehlungen (Bachelorstudium: Biologie)
<b>Inhalt</b>	Die Vorlesung gibt einen allgemeinen Überblick über die wichtigsten Pflanzenschutzmethoden und -konzepte. Dies beinhaltet biologische, chemische and physikalische Ansätze für den Pflanzenschutz sowie Methoden zur Resistenzzüchtung bei Nutzpflanzen. Themenschwerpunkte: Bedeutung des Pflanzenschutzes in der Landwirtschaft, wichtigste Pflanzenkrankheiten und -schädlinge, Methoden des Pflanzenschutzes, integrative Ansätze, Verhinderung der Resistenzbildung bei Schädlingen und Krankheitsserregern. **** This lecture provides an overview on the most important methods and concepts in Crop Protection. This includes chemical, biological, physical and agronomic concepts for managing biotic and abiotic stresses. Furthermore, breeding-based approaches will also be considered. Scripts will be provided on the ADAM platform the day before the lecture. <a href="https://adam.unibas.ch/goto.php?target=crs_1018042&amp;client_id=adam">https://adam.unibas.ch/goto.php?target=crs_1018042&amp;client_id=adam</a>
<b>Literatur</b>	
<b>Weblink</b>	<a href="https://adam.unibas.ch/goto.php?target=crs_1018042&amp;client_id=adam">https://adam.unibas.ch/goto.php?target=crs_1018042&amp;client_id=adam</a>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Written exam 45 minutes, or oral exam with Zoom, instruction will be communicated by the lecturers. 19.04.2022, 16:15h, Botanik lecture hall
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch



**Anmeldung zur Lehrveranstaltung**

**Bemerkungen**

The lecture will be given in German or English, as necessary.

50264-01	Vorlesung mit Übungen: Global Change Ecology	3 KP
<b>Dozierende</b>	<b>Philipp Hirsch</b>	
<b>Zeit und Ort</b>	Fr 10:15-12:00 Kollegienhaus, Seminarraum 211	
<b>Datum</b>	25.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften	
<b>Module</b>	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development)	
<b>Lernziele</b>	The students - understand the ecological effects of global change in different ecosystems and can explain patterns and the underlying mechanisms; - can critically analyze existing research approaches and available data in the context of global change ecology; - can identify the interface between the approach of ecological sciences and other sciences to describe and understand global change; - understand the challenges of finding solutions to the negative effects of global change.	
<b>Inhalt</b>	We will treat the ecological relationships of global change following a hierarchical flow: going from basic food web effects to multiple trophic relationships, eventually including humans as recipients and agents of global change. Furthermore, we will frequently use aquatic ecosystems as case studies because they are disproportionately affected by global change and their ecosystem services are especially threatened and especially important to humans. Finally, we will consider global change beyond climate change and will treat land-use change, global transport and trade, change of human consumption patterns and pollution, global energy system change, species extinctions and invasions, and more.  Specific topics include (but are not limited to): 1) eco-evolutionary effects of land-use change and eutrophication, including a discussion of mitigation measures and socio-cultural effects; 2) ecological effects of earlier spring across multiple species in terrestrial food webs; 3) ecological effects and ecosystem service changes due to global species extinctions; 4) ecological and socio-economic effects of the global renewable energy development, including a discussion of future solutions; 5) human consumption patterns and ecological effects of microplastics pollution, including a discussion of the feasibility of existing solutions; 6) ecological and socio-economic effects and transdisciplinary management approaches of biological invasions, including a discussion of currently available management options.  The lecture - will be research-based. It will include specific case studies from the primary literature and will connect to current ongoing research; - will also include application sections focusing on the discussion of existing solutions for mitigating the negative ecological effects of global change; - will include specific local connections to the situation in Switzerland.  Practical course: As a practical part each student will create a learning portfolio in parallel to the lecture. In this portfolio key questions raised in the lectures will be answered by students off class using own resources (e.g. literature research). The portfolios will be collected and commented by peers and the lecturer. Based on this feedback the portfolios are developed as a complementary resource to the lecture slides in preparation for the final written exam. The portfolios serve to practice the access to the course and exam content but will not be graded.	
<b>Literatur</b>	Research articles as pdf-upload on ADAM will be supplied during the course.	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	eine Wiederholung, bester Versuch zählt	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	



<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance, readings, create a learning portfolio. Written examination: 20.05.22, during usual lecture time, usual lecture room. Repetition exam: In June, details tba.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Mandatory course application, for details see "course application" or "Anmeldung". Limited number of participants (25). Students of the MSD (incl. preparation semester) have a first priority. Non-MSD students must be studying a master's degree within the Department of Environmental Sciences/Faculty of Sciences.  MSD 2017 Students who have chosen the focus area in social sciences or in economics must have completed the 'Complementary Knowledge in Natural Sciences' module (at least 8 CP).
<b>Anmeldung zur Lehrveranstaltung</b>	Mandatory application for ALL: Link for application open from 18.01.22/noon - 06.02.22/ midnight: <a href="https://adam.unibas.ch/goto_adam_fold_744950.html">https://adam.unibas.ch/goto_adam_fold_744950.html</a>  Login on top row right hand side of ADAM website. The link is open as soon as the application form is online.  In case of vacancies the mandatory online application link remains open until 03.03.22/noon.  Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five) Please note the specific entry requirements and mandatory course application procedure (additional to registration on MOnA). For details see corresponding paragraphs.
<b>Bemerkungen</b>	MSD 2017 Mandatory lecture for MSD students with focus area in natural sciences, CP can only be recognized for the published module. Students with focus area in social sciences or in economics have to transfer the credit points to the FASR module (learning agreement).  This lecture is offered by MSD. Dr. P. Hirsch is post doc staff member of Man-Society-Environment, Dep. Environmental Sciences, Faculty of Sciences.

60310-01	Vorlesung mit Übungen: Introduction to Organic Farming Systems	3 KP
<b>Dozierende</b>	<b>Paul Mäder</b>	
<b>Zeit und Ort</b>	Fr 12:15-14:00 - Online Präsenz -	
<b>Datum</b>	25.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Integrative Biologie	
<b>Module</b>	Lehrveranstaltungen Masterstudium Pflanzenwissenschaften (Masterstudium: Pflanzenwissenschaften) Lehrveranstaltungen Masterstudium Ökologie (Masterstudium: Ökologie) Modul: Geography and Climatology (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021)) Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Landscape Systems (Masterstudium: Geowissenschaften) Doktorat Botanik: Empfehlungen (PF - Botanik)	
<b>Lernziele</b>	The students are familiar with the principles and practices of organic farming. They can evaluate the strength and weaknesses of the farming systems and know the specific challenges in the areas of soil management, plant production and animal husbandry. The students are capable to judge critically the solutions of organic agriculture in view of a sustainable production.	
<b>Inhalt</b>	Deepening knowledge in farming systems is essential because agriculture is one major driver for environmental pressures through land use change and the use of inputs in form of energy, fertilizers and pesticides. In the last decade there is a strong growth of certified organic farming at the National and International scale. The European Commission aims at increasing Organic farming in Europe to 25% until 2030, as it is considered as one promising option to solve the current problems of intensive agriculture encountering loss of soil fertility, decrease	



of biodiversity, the excessive use of natural resources and climate change. The lecture is organised as a lecture series ("Ringvorlesung"), where experts in their respective disciplines in soil, plant and animal sciences and socioeconomics will outline the principles and practises of organic agriculture, amended by case studies. In a group exercise, the students will develop their own thoughts on future developments and resilience aspects of organic farming in one topic presented in the lectures, and will display their outcomes as either poster or Power point. On a half-day excursion the theoretical material is illustrated on a long-term system comparison experiment and a practical farm in the valley of Leimen.

Lecture 1: Introduction (Paul Mäder, Bernadette Oehen)  
 Lecture 2, 3: Plant production (Lucius Tamm, Fabian Cahenzli, Knut Schmidtke, Else Bünemann)  
 Lecture 4: Soil quality and climate (Paul Mäder)  
 Lecture 5 : Agro-Biodiversity and plant breeding (Sibylle Stöckli, Mariatheresa Lazzaro)  
 Lecture 6: Animal husbandry (Florian Leiber)  
 Lecture 7: Food quality, inspection and certification (Bernadette Oehen, Adele Ferrari)  
 Lecture 8: Agricultural policy, organic agriculture in the tropics (Jürn Sanders, Laura Armengot)  
 Lecture 9: Sustainability assessment (Christian Schader)  
 Lecture 10: Exercise presentation and discussion: Resilience and future development of organic farming (Paul Mäder, Bernadette Oehen)  
 Lecture 11: Excursion to the DOK trial in Therwil BL, and Agrico (community supported agriculture) (Paul Mäder, Bernadette Oehen)

**Weblink**  
[https://adam.unibas.ch/ilius.php?ref\\_id=1106542&cmd=return&cmdClass=ilrepositorygui&cmdNode=w4&baseClass=ilRepositoryGUI&redirectSource=ilobjfilegui&cmdMode=](https://adam.unibas.ch/ilius.php?ref_id=1106542&cmd=return&cmdClass=ilrepositorygui&cmdNode=w4&baseClass=ilRepositoryGUI&redirectSource=ilobjfilegui&cmdMode=)

**Leistungsüberprüfung**  
**Skala**  
 1-6 0,5

**Wiederholungsprüfung**  
 keine Wiederholungsprüfung

**An-/Abmeldung zur Prüfung**  
 An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA

**Hinweise zur Leistungsüberprüfung**  
 1. Exercise as group work on future development of organic agriculture and resilience aspects, focussing on one subject; presentation of this group work in form of a poster (in case of lectures with physical presence), or as Power point (in case of live streaming via Zoom)  
 2. Written exam: 03.06.2022, 12:15-13:30h, Botanik  
 Preconditions for the exam: presentation of group work

**Belegen bei Nichtbestehen**  
 beliebig wiederholbar

**Einsatz digitaler Medien**  
 kein spezifischer Einsatz

**Unterrichtssprache**  
 Englisch

**Teilnahmevoraussetzungen**  
 Students of the MSD without background in natural sciences, and 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). Credit points are to be transferred to the FASR module (with learning agreement).

**Bemerkungen**  
 This lecture series will take place online on Zoom. Please find the link on ADAM (you will find it in the PDF program). The excursion on 20 May and written exam on 3 June require physical attendance.  
 Contact: Dr. Paul Mäder (Forschungsinstitut für biologischen Landbau, Research Institute of Organic Agriculture, FiBL), <https://www.fibl.org/en/locations/switzerland.html>  
[www.fibl.org/en/about-us/team/maeder-paul-en.html](http://www.fibl.org/en/about-us/team/maeder-paul-en.html)  
 Lecturers: Experts of the respective disciplines at FiBL, actively involved in national and European research with a strong link to practical farmers.

23839-01	Vorlesung mit Übungen: Introduction to Research Projects of Environmental Geosciences and Biogeochemistry	3 KP
<b>Dozierende</b>	<b>Christine Alewell</b> Sarah Nemiah Ladd Moritz Lehmann	
<b>Zeit und Ort</b>	Fr 09:00-17:30 Bernoullistrasse 30/32, Hörsaal 223 Vorbesprechung 3.3.22, 12:00-12:30 online, 3 Termine: 25.3., 22.4., 20.5.	
<b>Datum</b>	03.03.2022	
<b>Intervall</b>	unregelmässig	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Geowissenschaften	
<b>Module</b>	Modul: Aquatic and Isotope Biogeochemistry (Masterstudium: Geowissenschaften) Modul: Environmental Geosciences and Biogeochemistry (Masterstudium: Geowissenschaften (Studienbeginn vor 01.08.2021))	



<b>Lernziele</b>	Modul: Kernbereich Naturwissenschaften (Masterstudium: Sustainable Development) Modul: Sustainable Resource and Soil Management (Masterstudium: Geowissenschaften)
<b>Inhalt</b>	gefördert werden. Gleichzeitig werden die in vorausgegangenen Lehrveranstaltungen gelegten Grundkenntnisse in Biogeochemie, Bodenkunde und Isotopengeochemie vertieft. Die Dozierenden stellen Hintergründe, Fragestellung und Ergebnisse aus Forschungsprojekten und aktuellen Fragestellungen der Umweltgeowissenschaften und Biogeochemie vor. Dabei wird vor allem auf die Aufarbeitung der theoretischen Hintergründe wert gelegt. Daneben wird die Diskussion von Übertragbarkeit der Ergebnisse zwischen verschiedenen räumlichen Skalen oder auch die Bedeutung der Forschungsergebnisse in der Praxis ein Rolle spielen. Inhaltlich werden Beispiele aus der terrestrischen und aquatischen Biogeochemie, Bodenkunde und Isotopengeochemie behandelt.
<b>Weblink</b>	<a href="https://duw.unibas.ch/de/umweltgeowissenschaften/">https://duw.unibas.ch/de/umweltgeowissenschaften/</a>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MONA
<b>Hinweise zur Leistungsüberprüfung</b>	Mündliches oder schriftliches Referat. Eine Wiederholungsprüfung ist möglich.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	Online-Angebot fakultativ
<b>Unterrichtssprache</b>	Deutsch
<b>Teilnahmevoraussetzungen</b>	Die Lehrveranstaltung richtet sich an Studierende des Masters Geowissenschaften mit der Vertiefung in Aquatic and Isotope Biogeochemistry oder Sustainable Resource and Soil Management. Andere Masterstudierende der Geowissenschaften sind willkommen.
<b>Bemerkungen</b>	In der Wegleitung 2019 ist dies eine Pflichtlehrveranstaltung im Modul "Environmental Geosciences and Biogeochemistry" - Titel damals: Pedosphere and Hydrosphere - Biogeochemistry and Modelling of Element and Sediment Cycling. Veranstaltung an 3 Freitagen im Semester, jeweils von 9:00 bis 17:00 Uhr. Ganztägige Anwesenheit an allen Veranstaltungstagen ist Pflicht.

**Modul: Kernbereich Gesellschaftswissenschaften**

43667-01	Seminar: Changing Individual Energy Behaviour - Approaches and Strategies	3 KP
<b>Dozierende</b>	<b>Iljana Schubert</b>	
<b>Zeit und Ort</b>	Do 12:15-14:00 Rosshofgasse (Schnitz), Seminarraum S 02	
<b>Datum</b>	24.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	The class will - learn disciplinary approaches about changing individual energy behavior from economics, psychology, social sciences; - reveal the benefits and the necessity of an interdisciplinary approach to understand changes in individual energy behavior; - identify different governance strategies and levels of intervention to changing individual energy behavior.	
<b>Inhalt</b>	Transforming today's energy systems in industrialized countries includes a substantial reduction of the total energy consumption at the individual level. Selected instruments have been found to be effective in changing people's behavior in single domains, however, households seems to be quite inert in their energy consumption. The so far weak success story on reducing overall energy consumption indicates that our understanding of the determining factors of individual energy consumption as well as of its change is far from being conclusive. Thereby, households or individuals are not treated as energy consumers properly speaking but as consumer of energy services. This widens the horizon to also include people's („socially constructed“) wants. We will introduce different disciplinary approaches in the field of changing individual energy behavior to clarify the diverging perceptions of the opportunities to change the behavior. Regarding economics, energy is often seen as a commodity and consumers will adapt usage in response to price signals. In psychological conceptions, energy use can be affected by stimulus-response mechanisms or by promoting environmental values. Sociology is often not looking at individuals but at practices displaying social meanings in relation to „materials“.	



<p><b>Literatur</b></p> <p><b>Leistungsüberprüfung</b></p> <p><b>Skala</b></p> <p><b>Wiederholungsprüfung</b></p> <p><b>An-/Abmeldung zur Prüfung</b></p> <p><b>Hinweise zur Leistungsüberprüfung</b></p> <p><b>Belegen bei Nichtbestehen</b></p> <p><b>Einsatz digitaler Medien</b></p> <p><b>Unterrichtssprache</b></p> <p><b>Teilnahmevoraussetzungen</b></p>	<p>Having revealed strengths and weaknesses of these approaches we will focus on an interdisciplinary frame integrating different perspectives on the change of individual energy behavior. Finally, we will further investigate and discuss the prospects and limitations of different governance/intervention strategies on multiple levels that are directed at changing individual energy behavior.</p> <p>tba in class</p> <p>Lehrveranst.-begleitend</p> <p>1-6 0,1</p> <p>keine Wiederholungsprüfung</p> <p>An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA</p> <p>Regular attendance, required reading, oral presentation, written essay.</p> <p>beliebig wiederholbar</p> <p>kein spezifischer Einsatz</p> <p>Englisch</p> <p>Special course application required for ALL (for details see 'course application' or 'Anmeldung'): Seminar is full.</p>
<p><b>Anmeldung zur Lehrveranstaltung</b></p> <p><b>Bemerkungen</b></p>	<p>Limited number of participants (25), Students of the MSD (incl. preparation semester) and JIDSD have a first priority, those of the listed programs (see list of modules) have a second priority.</p> <p>If you study something different you must do 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 (= third priority).</p> <p>MSD 2017</p> <p>MSD students who have chosen the focus area in natural sciences or in economics must have completed (or at least 8 CP) the "Complementary Knowledge in Social Sciences" module.</p> <p>Seminar is full, no course enrollment on MOnA possible anymore.</p> <p>Please note entry requirements and mandatory course application procedure (additional to registration on MOnA): Seminar is full, no course enrollment on MOnA possible anymore.</p> <p>MSD 2017</p> <p>For students with focus area in social sciences the seminar is optional for the "Core Competences in Social Sciences" module.</p> <p>Transfer of credit points to the "Focal Areas in Sustainability Research" module (learning agreement) is possible for all students.</p> <p>This seminar is offered by MSD. Dr. Iljana Schubert is a member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.</p>

<p>17403-01</p> <p><b>Dozierende</b></p> <p><b>Zeit und Ort</b></p> <p><b>Datum</b></p> <p><b>Intervall</b></p> <p><b>Angebotsmuster</b></p> <p><b>Anbietende Organisationseinheit</b></p> <p><b>Module</b></p> <p><b>Lernziele</b></p> <p><b>Inhalt</b></p>	<p>Seminar: Governance, Sustainable Development and Democracy</p> <hr/> <p><b>Rony Emmenegger</b></p> <p>Mo 14:15-16:00 Alte Universität, Seminarraum -201</p> <p>21.02.2022</p> <p>wöchentlich</p> <p>Jedes Frühjahrsem.</p> <p>Fachbereich Nachhaltigkeitsforschung</p> <p>Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies)</p> <p>Modul: Fields: Governance and Politics (MSG - African Studies)</p> <p>Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)</p> <p>The participants</p> <p>- are familiar with the concepts 'governance', 'sustainable development' and 'democracy', they understand the interrelations and tensions between them;</p> <p>- have acquired basic theoretical, methodological and empirical knowledge and skills necessary to produce critically reflected scientific analyses of governance for sustainable development within various policy fields and political contexts.</p> <p>Against the backdrop of persistent problems of unsustainability, there is a lively debate both in politics and in science on how to govern societies towards more sustainable pathways. In conceptual terms this debate increasingly builds on the notion of 'governance' which</p>	<p>3 KP</p>
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highlights both theoretical limits to classical models of political steering and the empirical insight that governments are not the only relevant actors when it comes to the management of societal issues. Instead, at least within the context of modern democracies, the contested, interdependent and dynamic nature of contemporary policymaking has given rise to less hierarchical but more collaborative and polycentric forms of governance. Accordingly, for theoretical and empirical reasons, the governance of modern societies is more and more understood as a shared responsibility of the state, the market and the civil society.

This 'new governance complexity' is assumed to entail potentials and threats for sustainable development and democracy throwing up some fundamental questions regarding the relationship between all three concepts: How can societies be governed towards sustainable development in a democratic way? What are the normative and functional requirements of sustainability governance in democratic societies? What are the empirical conditions as well as prospects and barriers of democratic forms of governance for sustainable development within various political contexts? And, what are the implications of environmental change for the ways governance and democracy can be organized at and across spatial and temporal scales?

The seminar addresses the relationship between governance, sustainable development and democracy in theoretical and empirical respects. First, it will lay a theoretical fundament by introducing the concepts of governance, sustainable development and democracy. Second, specific approaches of governance for sustainable development will be critically discussed particularly with regard to their democratic implications. Third, a number of case studies of sustainability governance in different fields will provide an opportunity to analyze the democratic problem-solving capacity of different governance arrangements in various contexts. Finally, further theoretical and practical perspectives of democratic governance for sustainable development are sketched out.

**Literatur**  
**Leistungsüberprüfung**  
**Skala**  
**Wiederholungsprüfung**  
**An-/Abmeldung zur Prüfung**  
**Hinweise zur Leistungsüberprüfung**  
**Belegen bei Nichtbestehen**  
**Einsatz digitaler Medien**  
**Unterrichtssprache**  
**Teilnahmevoraussetzungen**

Relevant literature tba during the seminar.

Lehrveranst.-begleitend

1-6 0,1

keine Wiederholungsprüfung

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

Regular attendance, required readings, oral presentation, essay.

beliebig wiederholbar

kein spezifischer Einsatz

Englisch

Special course application required (for details see "course application" or "Anmeldung"):  
Seminar is full.

Limited number of participants (25):

Students of the MSD with focus area in natural sciences and economics (incl. prep. semester) and those of the JIDSD have a first priority. MSD students with focus area in social sciences have a second priority, those of the listed programs (see list of modules) have a third priority. If you don't study the MSD or one of the listed programs you must do 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 (= priority level four).

Additional entry requirements for participants who do not study the MSD (incl. preparation semester) or JIDSD:

They must have passed successfully one of the following lectures (= credit points already acquired) during a former semester:

- 11513: Sustainability: A new Societal Paradigm?

- 41829: Perspectives of Social Sciences on Sustainability.

**Anmeldung zur Lehrveranstaltung**  
**Bemerkungen**

Seminar is full, no course enrollment on MOnA possible anymore.

Please note entry requirements and mandatory course application procedure (additional to registration on MOnA): Seminar is full, no course enrollment on MOnA possible anymore.

MSD 2017

Mandatory for students with focus area in natural sciences and in economics (unless you have passed a similar class in a former semester, then you would have to substitute it by agreement with Prof. Dr. Paul Burger and fix this in a learning agreement).

For students with focus area in social sciences this seminar is optional for the "Core Competences in Social Sciences" module. They may accredit the credit points for the published module or transfer them to the "Focal Areas in Sustainability Research" module (learning agreement).

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

14254-01	Seminar: Integrative Methods	3 KP
<b>Dozierende</b>	<b>Paul Burger</b>	
<b>Zeit und Ort</b>	Di 16:15-18:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001	
<b>Datum</b>	22.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	unregelmässig	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Changing Societies Lab (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	Students - can carry out a "Formative Scenario Analysis"; - know relevant ecological, economic and societal factors of the mobility system in Switzerland; - develop a set of low-carbon mobility scenarios for Switzerland 2050.	
<b>Inhalt</b>	Sustainability science is expected to study options for desirable societal futures. Among others, it looks at possible future outcomes and developments given today's options for action by means of scenario building and by taking into account the complex interactions between ecological, economic and societal factors. This seminar will develop scenarios for future mobilities in Switzerland. "Mobility" is thereby understood in the tradition of Sheller & Urry 2006, which goes beyond transportation e.g. by understanding tele-conferences as a mobility type. Importantly, the scenarios are expected to display the co-evolution between the broader societal system and the mobility system. In order to satisfy that expectation, the seminar will build on former work on energy futures of Switzerland (Burger, Emmenegger, Sohre, under review). The member of the seminar will get acquainted to the method of Formative Scenario Analysis that allows integrating different disciplinary knowledge basis by means of system analysis and consistency analysis of possible future manifestations. They also learn to use two related IT-tools supporting the scenario building. Content-wise, the seminar will be supported by literature studies carried out in the MSD project course "Training in Sustainability Research" and Research Lab for students of the Master in Changing Societies. Students of each program are encouraged to take the Project Course (MSD, JIDSD) or Research Lab (MChS) during the same semester, but it's not a requirement.	
<b>Literatur</b>	Tba during the semester.	
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance, required readings, oral presentation, essay.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Special course inscription required for ALL (for details see "course application" or "Anmeldung"): Seminar is full, application closed. No course enrollment possible anymore  Limited number of participants (15), MSD-Students, those of the JIDSD and students of the Master's degree in Changing Societies have a first priority. Others are only accepted if they study a master's degree within the Departement of Social Sciences/Faculty of Humanities and Social Sciences.	
<b>Anmeldung zur Lehrveranstaltung</b>	MSD 2017 Students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP). Seminar is full, no course enrollment on MOnA possible anymore.	
<b>Bemerkungen</b>	Please note entry requirements and course application. For details see corresponding paragraphs: Seminar is full.	





MSD 2017

For students with focus area in social sciences the seminar is optional for the "Core Competences in Social Sciences" module. All students may transfer the credit points to the FASR module (learning agreement).

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

11513-01	Vorlesung mit Übungen: Sustainability: A new Societal Paradigm?	3 KP
<b>Dozierende</b>	<b>Paul Burger</b>	
<b>Zeit und Ort</b>	Mi 08:15-10:00 Kollegienhaus, Hörsaal 115	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Kernbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Komplementärer Basisbereich Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies) Modul: Fields: Knowledge Production and Transfer (MSG - African Studies) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	The students - understand 'sustainable development' as a new alternative role model within the global societal development discourse; - know important theoretical social sciences based approaches to analyze sustainability issues and to conceptualize the role model.	
<b>Inhalt</b>	Sustainable Development has become more and more influential since the famous Brundtland-report in shaping political, economic or individual decisions. However, it has also become a buzzword with many different meanings serving many different interests. Moreover, there are quite controversial theoretical approaches for conceptualizing sustainable development across different disciplines. Against this backdrop, this lecture provides a social science oriented basis for - understanding sustainable development as a new societal role model for human development; - conceptualizing sustainable development based on justice.	
<b>Literatur</b>	Literature tba during lecture.	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	eine Wiederholung, bester Versuch zählt	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance and active participation. Final assessment: written examination on 01.06.22: during usual teaching time slot. Repeat examination: in June, Details tba.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	For MSD students (incl. preparation semester), those of the IJDS and the listed degree programs (see list of modules). Other students must do a master's degree within the Departement of Social Sciences/Faculty of Humanities and Social Sciences.	
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).	
<b>Bemerkungen</b>	Only for MSD students (incl. preparation semester), those of the IJDS and the listed degree programs (see list of modules). Other students must do a master's degree within the Departement of Social Sciences/Faculty of Humanities and Social Sciences. MSD 2017 Mandatory lecture for all. A different choice is only allowed for students, who have a) attended and accredited the same class for the former degree; b) attended and accredited a comparable class for the former degree. If a) or b) applies you have to register for a different course according to prior agreement with Prof. Dr. P. Burger.	

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

**Modul: Kernbereich Wirtschaftswissenschaften**

43498-01	Kolloquium: Psychological Theory in Consumer Behavior	6 KP
<b>Dozierende</b>	<b>C. Miguel Brendl</b>	
<b>Zeit und Ort</b>	Mi 14:15-18:00 - Online Präsenz - The course will be taught online per Zoom.	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	14-täglich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Business Field: Marketing (Masterstudium: Business and Technology) Modul: Core Courses in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
<b>Lernziele</b>	<ul style="list-style-type: none"> <li>• Obtaining an overview of fundamental psychological concepts in preference formation and choice.</li> <li>• Learning about the nature of theory construction and theory testing by means of experiments (heavily emphasized).</li> </ul>	
<b>Inhalt</b>	<p>The course is appropriate for master's students in business, economics, or psychology, as well as for PhD students.</p> <p>The course focuses on psychological theory that is the basis for theories in consumer behavior. It has a methodological emphasis by teaching you how to conduct research using experiments. This course is a precondition for writing a master's thesis in behavioral marketing. But beyond that it is of particular interest if you want to explore what academic research is like.</p> <p>-For those without a prior degree in psychology the course offers a crash course in psychology as it relates to preferences (attitudes, feelings, evaluative judgments, choice). -For anyone interested in behavioral sciences the course offers the opportunity to practice an important skill: deriving behavioral predictions from theories. This skill goes beyond merely describing a theory and is important for anyone who wants to actually use a theory, be it for research or application.</p> <p>During the seminar we discuss your homework solutions to a set of exercises. From this discussion we draw inferences about theory itself and about designing experiments. The entire course is in English.</p>	
<b>Literatur</b>	Last year's syllabus is posted here: <a href="https://adam.unibas.ch/goto_adam_crs_480685.html">https://adam.unibas.ch/goto_adam_crs_480685.html</a>	
<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An- und Abmelden: Dozierende	
<b>Hinweise zur Leistungsüberprüfung</b>	<p>Format of the Class Sessions</p> <p>The class discussion focuses on exercises. Every session your homework consists of readings and exercises that ask you to make predictions for an experiment. Every session I randomly draw some students to present their exercise solutions, which we then discuss. Given this format, it is necessary that you have completed the assigned readings and exercises before each session, and that you are present during each session.</p>	

A detailed write-up of an exercise will definitely be part of the grade. The following might also



contribute: your contributions to the class discussion; the presentations you give.

**Belegen bei Nichtbestehen**  
**Einsatz digitaler Medien**  
**Unterrichtssprache**  
**Teilnahmevoraussetzungen**

beliebig wiederholbar  
Online-Veranstaltung  
Englisch

If you are a master's student at the business and economics faculty in Basel, you need to have taken "Behavioral Science" and "Consumer Behavior: Theoretical Foundations". If you study elsewhere or are a PhD student, please contact me.

A maximum of 20 students can enroll and in the past all those who fulfilled the course requirements were admitted. Should demand for the course surpass the available seats, we will emphasize the following for admissions:

- Grades in the Kernfächer 62650-01 "Behavioral Science" and 12036 "Econometrics" or in equivalent courses if you come from another discipline.

**Anmeldung zur Lehrveranstaltung**

As the course is restricted to 20 students, please fill in the application form on the following link [https://adam.unibas.ch/goto.php?target=crs\\_1089742\\_rcodecd2VXuTFw&client\\_id=adam](https://adam.unibas.ch/goto.php?target=crs_1089742_rcodecd2VXuTFw&client_id=adam) by February 10th, 2022, 8 pm. You will be notified by February 17th, 2022, if you have been admitted to the Kolloquium. Your enrollment in MOOnA will then be registered automatically after the official enrollment deadline.

**Bemerkungen**

To take the course you have to attend as of Session 1. Note that there will be homework in preparation of Session 1.

This course is a pre-requisite if you want to write a master's thesis in behavioral marketing. For more information about these pre-requisites see: [https://www.unibas.ch/fileadmin/user\\_upload/wwz/00\\_Professuren/Brendl\\_Marketing/2021\\_07\\_19\\_MBrendl\\_Requirements\\_Master\\_s\\_Thesis\\_in\\_Behavioral\\_Marketing.pdf](https://www.unibas.ch/fileadmin/user_upload/wwz/00_Professuren/Brendl_Marketing/2021_07_19_MBrendl_Requirements_Master_s_Thesis_in_Behavioral_Marketing.pdf)

The course will be taught online per Zoom.

10625-01	Vorlesung: Advanced International Trade and Business	6 KP
<b>Dozierende</b>	<b>Rolf Weder</b>	
<b>Zeit und Ort</b>	Do 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 Fr 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31	
<b>Datum</b>	24.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Business Field: Strategy and Organization (Masterstudium: Business and Technology) Modul: Core Courses in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Core Courses in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Regional Integration and Global Flows (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	



<b>Lernziele</b>	<p>Learning objectives:</p> <ol style="list-style-type: none"><li>1. to know the scientific discussion in international trade and international business regarding "Globalization" and "Outsourcing",</li><li>2. to understand the major contributions of the classical, neoclassical and new trade theories, and how these insights are used in the current literature,</li><li>3. to get an understanding, how trade economists simplify international relationships in order to analyze and answer the questions posed above,</li><li>4. to gain insight into the current research in international trade and business,</li><li>5. to get to know and be able to apply concepts which allow international companies and international organizations to develop strategies which are important in practice.</li></ol>
<b>Inhalt</b>	<p>Content: This course deals with the effects that arise from the globalization of markets. We derive challenges for economic policy and strategic management of international firms. International trade theory offers an excellent framework in this respect. We deal with questions such as: "Who gains and who loses from selective integration of markets?", "Which impacts arise from technological changes abroad and at home?", "Why do multinational firms exist and what strategies do or should they follow in different circumstances?", "How can we explain outsourcing and offshoring, what are the effects, how can international firms react?". The course not only provides answers to these questions, but also introduces the concepts which current research in international trade is based on and constantly is using. We present and discuss the fundamental contributions of the traditional and new trade theory, also referring to current research in the field: research has always been very dynamic in this field - theoretically and empirically. This requires that textbooks, papers in scientific journals as well as working papers on the graduate level are used in the course. One of the challenges of this course and of economics in general is to constantly ask in which way the insight can be useful for policy making and strategic management in companies. One or two guestlectures will be integrated in the course.</p>
<b>Literatur</b>	<p>The relevant literature will be mentioned on the outline of the course. We will start with the foundation of international trade theory by David Ricardo in 1817 ("On Foreign Trade"), but also integrate most recent contributions from textbooks and articles published in international journals of economics and business. Papers will, whenever possible, be posted on ADAM in order that registered students in the course can easily download them from ADAM.</p>
<b>Weblink</b>	<p><a href="https://adam.unibas.ch">https://adam.unibas.ch</a></p>
<b>Leistungsüberprüfung</b>	<p>Leistungsnachweis</p>
<b>Skala</b>	<p>1-6 0,1</p>
<b>Wiederholungsprüfung</b>	<p>keine Wiederholungsprüfung</p>
<b>An-/Abmeldung zur Prüfung</b>	<p>An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA</p>
<b>Hinweise zur Leistungsüberprüfung</b>	<p>How to attain the learning objectives:</p> <p>Students should read the required reading in advance of each session. Some of this reading is very short. The required reading is reduced to the minimum. However, I will sometimes go beyond this material and integrate further aspects into the lecture from the additional reading or the list of bibliography found at the end of this outline. I mention this list also as an aid for further reading and for writing a term paper for the Seminar in International Economics or the Master's thesis. Problems or questions will be solved by the students and/or discussed in class.</p> <p>There will be a written final exam. I will give students the opportunity to earn additional grades for active participation in form of handing in short essays or assignments as well as short presentations during the term. These will have an announced weight in the final grade. Detailed information will be given at the beginning of the course as well as in the outline that should be available two weeks before the semester.</p> <p>written exam: 03.06.22; 08:15-09:45. WWZ S15: A-Z.</p>
<b>Belegen bei Nichtbestehen</b>	<p>beliebig wiederholbar</p>
<b>Einsatz digitaler Medien</b>	<p>kein spezifischer Einsatz</p>
<b>Unterrichtssprache</b>	<p>Englisch</p>
<b>Teilnahmevoraussetzungen</b>	<p>Prerequisites: I expect that students have accomplished some courses in microeconomics on the BA level and that they have been confronted with a course or some material in International Trade or International Business on the BA level. The most important ingredient to the successful completion of the course is, however, the interest of students in topics of globalization and internationalization of firms and their willingness to read and regularly participate in class.</p>



**Anmeldung zur Lehrveranstaltung** Registration: Please enrol in MO.nA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.

**Bemerkungen** In 2022, I intend to use slightly more time for discussions on company strategies and economic policy in the light of the new technological developments ("Digitization") and the determinants of innovation. There will be two guests who will give a lecture followed by a discussion on each these two topics towards the end of the course.

I also plan to give you the possibility to select extracts or individual chapters of recently published papers and books to present them towards the end of the class. Details will be made available at the beginning of the term.

Note that this course is recommended as prerequisite for the following courses:

A) International Trade, Resources and the Environment, offered by Prof. Scott Taylor (University of Calgary) in May 2022.

B) Global Strategy and Multinational Companies, offered by Prof. Bradford Jensen (Georgetown University) in July 2022.

50877-01	Vorlesung: Economics of Global Health		3 KP
	<b>Dozierende</b>	<b>Günther Fink</b>	
	<b>Zeit und Ort</b>	Mo 12:15-14:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 Mi 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32	
	<b>Datum</b>	20.04.2022	
	<b>Intervall</b>	wöchentlich	
	<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
	<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
	<b>Module</b>	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Policy Field: Health and Labor (Masterstudium: Economics and Public Policy) Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Vertiefungsmodul Global Europe: Global Ageing and Health (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
	<b>Inhalt</b>	This class examines health issues in developing countries from the standpoint of applied economics. Specific topics include: (1) identifying the bi-directional relationship between health and economic growth; (2) understanding key economic challenges to improving individual and global health; and (3) recognizing differences between optimal health decisions from an individual, national and global perspective. We will examine the empirical evidence in support of interventions affecting health, including the success and failure of interventions that target infant mortality, diarrhea, worms, AIDS, and malaria. We will also investigate the role of health insurance as well as different approaches to deliver health care in resource-constrained settings.	
	<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>	
	<b>Leistungsüberprüfung</b>	Leistungsnachweis	
	<b>Skala</b>	1-6 0,1	
	<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
	<b>An-/Abmeldung zur Prüfung</b>	Anmelden: Belegen; Abmelden: Studiendekanat	
	<b>Hinweise zur Leistungsüberprüfung</b>	Class Structure: This class is centered on two or three readings from the health and economics literatures chosen for each session. The instructor will go over the readings in class, present key theoretical and empirical elements and expects students to challenge the methods and findings of the papers presented.	
		Grading: The grade of this class has the following three components: Class participation: 30 percent Final exam: 70 percent	
		Class participation: Students are expected to have read articles on the reading list prior to class, and to be able to 1) answer specific questions about these articles and 2) critically assess	



the general approach and message of the articles discussed.

written exam: 01.06.22; 14:15-15:45.

<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Familiarity with intermediate economic theory and econometrics—including consumer theory, income and substitution effects, producer theory, experimental design, instrumental variables, and difference-in-differences estimation is required.
<b>Anmeldung zur Lehrveranstaltung</b>	Registration: Please enrol in MOuA. Enrolment = Registration for the exam! A deregistration is possible until May 6, 2022 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to <a href="mailto:belegungstorno-wwz-at-unibas.ch">belegungstorno-wwz-at-unibas.ch</a> .
<b>Bemerkungen</b>	Prof. Günther Fink is Associate Professor of Epidemiology and Household Economics at the University of Basel, Head of the Household Economics and Health Systems Research Unit at the Swiss Tropical and Public Health Institute in Basel, and Adjunct Professor of International Health Economics at the Harvard T.H. Chan School of Public Health. He holds a Ph.D. in economics from Bocconi University in Milan, Italy, as well as a Master's in applied economics from the University of Michigan.

62655-01	Vorlesung: Energy Economics	3 KP
<b>Dozierende</b>	<b>Hannes Weigt</b>	
<b>Zeit und Ort</b>	Di 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 Latest update (27.01.2022): The course will be taught in - class with a simultaneous live-stream which will be recorded.	
<b>Datum</b>	22.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Policy Field: Competition and Regulation (Masterstudium: Economics and Public Policy) Modul: Policy Field: Environment and Energy (Masterstudium: Economics and Public Policy) Vertiefungsmodul: Markets and Public Policy (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
<b>Lernziele</b>	The lecture aims to provide students with the opportunity to apply economic concepts within an applied field (i.e. energy markets). Students will learn how to investigate real-world settings, apply economic concepts to those settings and derive insights. The lecture is designed to be interactive and discussion based.	
<b>Inhalt</b>	Within the lecture ‚Energy Economics‘ we will investigate current topics and trends of global energy markets; in particular non-electricity related topics (electricity markets are covered in a separate lecture). A particular focus lies on market functionalities, strategic company behavior, and interaction of market actors. Topics will cover different energy markets (e.g. crude oil and market power, natural gas supply in Europe and its relation to Russia) and ongoing market and system transitions (e.g. mobility, synthetic fuels/hydrogen).	
<b>Literatur</b>	The lecture will build upon scientific papers, news reports and blog posts. All literature will be provided. Students are required to read about one paper per week.	
<b>Weblink</b>	<a href="https://wwz.unibas.ch/de/energieoekonomie/lehre/">https://wwz.unibas.ch/de/energieoekonomie/lehre/</a>	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOuA	
<b>Hinweise zur Leistungsüberprüfung</b>	Performance will be assessed via homework assignments and a final exam. written exam: 07.06.22; 10:15-11:45. WWZ S15: A-Z. The exam is scheduled in presence. If entrance checks are necessary for the exam due to Covid protection measures, the start of the exam may still be delayed by up to 30 minutes. In case COVID-19 protective measures prevent examination on site, the faculty reserves the right to conduct the examination electronically during the same time slot.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	



<b>Teilnahmevoraussetzungen</b>	Background knowledge in energy economics is helpful but not required. The course builds upon microeconomic concepts, industrial organization, game theory, and different policy approaches from environmental economics and public policy.
<b>Anmeldung zur Lehrveranstaltung</b>	Registration: Please enrol in MOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch). Enrolment = Registration for the exam!
<b>Bemerkungen</b>	Latest update (27.01.2022): The course will be taught in - class with a simultaneous live-stream which will be recorded.

17691-01	Vorlesung: International Trade, Resources and the Environment	3 KP
<b>Dozierende</b>	M. Scott Taylor	
<b>Zeit und Ort</b>	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 The course will be taught "in - class".	
<b>Datum</b>	02.05.2022	
<b>Intervall</b>	Block	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies)	
<b>Lernziele</b>	see content	
<b>Inhalt</b>	This course investigates the linkages between international trade and the environment from both a theoretical and empirical viewpoint. It investigates the theoretical links between international trade and sustainability in two ways by studying the link between trade and resource use on the one hand and trade and industrial pollution on the other. It then reviews the empirical evidence linking trade to environmental outcomes using the theory as a guide to evaluate and critique the literature.	
<b>Literatur</b>	Some of the material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.	
<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	Anmelden: Belegen; Abmelden: Studiendekanat	
<b>Hinweise zur Leistungsüberprüfung</b>	There will be one final exam and a paper requirement. The exam date will be established in the first lecture. The paper should be a critical analysis of a scholarly or popular article discussing some aspect of international trade's impact on the environment. The paper must use, at least implicitly, the tools and logic developed in the course.  The date of the exam as well as the deadline of the paper will be posted and mentioned in the first class. Exam date: 31.05.22; 14:15.15:45. WWZ S15: A-H; WWZ S14: J-Z.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Required: A good understanding of the principles of economics and of microeconomics.	



<b>Anmeldung zur Lehrveranstaltung</b>	<p>Recommended: Advanced International Trade and Business Environmental and Resource Economics</p> <p>Registration: Please enrol in MOA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam! A deregistration is possible until May 6, 2022 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to <a href="mailto:belegungstorno-wwz-at-unibas.ch">belegungstorno-wwz-at-unibas.ch</a>.</p>
<b>Bemerkungen</b>	<p>The course will be taught "in - class".</p> <p>You should have a look at some of the literature discussed in class in advance of the course to be prepared for the course. The material will be accessible on ADAM approximately three weeks in advance of the start of the course. Students will be able to access the reading material after registration.</p> <p>The course is part of the "Guestprofessorship in Globalization - Internationalization of the Economy"</p>

60335-01	Vorlesung: Introduction to Corporate Responsibility	3 KP
<b>Dozierende</b>	<b>Georg von Schnurbein</b>	
<b>Zeit und Ort</b>	Di 08:15-10:00 Wirtschaftswissenschaftliche Fakultät, Auditorium The course will be taught "in class" with a simultaneous live-stream and recording.	
<b>Datum</b>	22.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	<p>Modul: Business Field: Strategy and Organization (Masterstudium: Business and Technology)</p> <p>Modul: Core Courses in Labor Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Modul: Specific Electives in Business and Economics (Masterstudium: Wirtschaftswissenschaften)</p> <p>Modul: Specific Electives in Labor Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften)</p> <p>Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies)</p> <p>Vertiefungsmodul: Labour Economics, Human Resources and Organization (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>	
<b>Lernziele</b>	<p>1. students are familiar with the basic theoretical approaches to corporate responsibility, including the development of corporate social responsibility, corporate sustainability and corporate citizenship.</p> <p>2. students are familiar with the location of corporate responsibility in the strategic and organizational implementation in the company. 3. students are able to develop and critically evaluate activities for corporate responsibility themselves.</p> <p>3. students are able to develop and critically assess corporate responsibility activities themselves</p> <p>4. students get to know different areas of implementation (supply chain, human resources/ team building, corporate philanthropy) by means of case studies.</p>	
<b>Inhalt</b>	It is not only since the Sustainable Development Goals (SDGs) that companies have been called upon to better perceive their social responsibility or to make it recognizable. While at the beginning of CSR research there was still talk of voluntary services and "icing on the cake", today corporate responsibility is an integral part of corporate activities with great strategic importance. When bidding for public contracts, in the financial markets and in the business media, a company's CR plays an increasingly important role. In this lecture, students learn the theoretical basics and receive an introduction to practical implementation.	
<b>Literatur</b>	basic literature: Haski-Leventhal, D.: Strategic Corporate Responsibility, Sage, 2018	
<b>Weblink</b>	<a href="https://adam.unibas.ch/goto_adam_crs_1078447.html">https://adam.unibas.ch/goto_adam_crs_1078447.html</a>	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA	





**Hinweise zur Leistungsüberprüfung**

Written exam: 16.06.22; 12:30-13:30. Bernoullinaum: A-P; HS 102: R-Z.  
The addresses of the examination rooms can be found here: <https://www.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/>

The exam is scheduled in presence. If entrance checks are necessary for the exam due to Covid protection measures, the start of the exam may still be delayed by up to 30 minutes. In case COVID-19 protective measures prevent examination on site, the faculty reserves the right to conduct the examination electronically during the same time slot.

**Belegen bei Nichtbestehen  
Einsatz digitaler Medien  
Unterrichtssprache  
Anmeldung zur Lehrveranstaltung**

beliebig wiederholbar  
kein spezifischer Einsatz  
Englisch  
Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

**Bemerkungen**

The course will be taught "in class" with a simultaneous live-stream and recording.

40105-01 Vorlesung: Macroeconomics and Finance

6 KP

**Dozierende**

Andreas Freitag  
Lukas Hitz

**Heinz Zimmermann**

**Zeit und Ort**

Di 12:15-16:00 Wirtschaftswissenschaftliche Fakultät, Auditorium  
The course will be taught in - class with a simultaneous live-stream.

**Datum**

22.02.2022

**Intervall**

wöchentlich

**Angebotsmuster**

Jedes Frühjahrsem.

**Anbietende Organisationseinheit**

Wirtschaftswissenschaftliche Fakultät / WWZ

**Module**

Grundlagenmodul: Advanced Topics in Economics (Masterstudium: International and Monetary Economics)  
Kernmodul: VWL (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) (Pflicht)  
Modul: Ausgewählte Themen aus Ökonomie und Rechtswissenschaft (Masterstudium: Actuarial Science)  
Modul: Finanztheorie (Masterstudium: Actuarial Science)  
Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)  
Modul: Methoden der Wirtschaftswissenschaften (Masterstudium: European Global Studies)

**Lernziele**

Course objective:  
Introduction to key long-run and short-run issues in macroeconomics  
Treatment of key principles of financial economics, in particular related to time and uncertainty, and some corporate finance

**Inhalt**

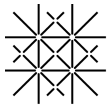
The course part "Macroeconomics" is held in the first half of the semester until April 12, 2022, the course part "Finance" follows from April 19, 2022 until the end of the semester.

Course outline Part Macroeconomics:

The largest part of the course Macroeconomics focuses on modern theories of macroeconomic fluctuations. Modern macroeconomics is built explicitly on microeconomic foundations. That is, the modern study and analysis of macroeconomics begins by considering how the microeconomic units, namely consumers and firms, in an economy make their decisions and then considers how the choices of these great many individuals interact with each other to yield economy-wide outcomes. We will also introduce financial markets in our model and discuss intertemporal choices. In the last part of this course, we will focus the long-run by analyzing models of economic growth.

Course outline Part Finance

The lecture provides an overview on some of the key topics of the theory of finance  
1) Capital market under certainty: Consumption, investment, economic growth, and interest rates; Fisher separation and economic implications  
2) Capital market under uncertainty: Consumption-based pricing, risk aversion, state (SDF) valuation, CAPM, arbitrage pricing with applications to options  
3) Corporate financial decisions: Capital structure and cost of capital, Modigliani-Miller, contingent-claim analysis of corporate securities, over- and underinvestment, real options, pecking order theory, payout decisions



<b>Literatur</b>	<p>Reading Part Finance (recommended, not required):  Cochrane, J., Asset pricing, Princeton Univ Press, 2005  Lengwiler, Y., Microfoundations of financial economics, Princeton Univ Press, 2006  Niepelt, D., Macroeconomic models, book draft, available online (chapters 3 and 4)  de Matos, J.A., Theoretical foundations of corporate finance, Princeton Univ Press, 2001  Sharpe, W., Investors and markets, Princeton Univ Press, 2008</p> <p>Readings Part Macroeconomics:  Williamson, Stephen "Macroeconomics", 6th global edition. (MAIN textbook)  Additional references:  David Romer, Advanced Macroeconomics, 4th ed. 2012.  Olivier Blanchard, Alessia Amighini/Francesco Giavazzi, Macroeconomics – A European Perspective, 2nd.ed. 2014, Chapter 11.</p>
<b>Weblink</b>	<a href="https://adam.unibas.ch/">https://adam.unibas.ch/</a>
<b>Leistungsüberprüfung</b>	Leistungsnachweis
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	written exam: 17.06.22: 12:30-14:00. Bernoullianum: A-P; WWZ S15: R-Z. The addresses of the examination rooms can be found here: <a href="https://www.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/">https://www.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/</a>
	The exam is scheduled in presence. If entrance checks are necessary for the exam due to Covid protection measures, the start of the exam may still be delayed by up to 30 minutes. In case COVID-19 protective measures prevent examination on site, the faculty reserves the right to conduct the examination electronically during the same time slot.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Completed Bachelor in Business and Economics
<b>Anmeldung zur Lehrveranstaltung</b>	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!
<b>Bemerkungen</b>	Finance part: For each of the three subjects of the lecture, a package of slides is available. They are used in the lectures.
	The course will be taught in - class with a simultaneous live-stream.

16036-01	Vorlesung: Microeconomics and Statistical Learning	3 KP
<b>Dozierende</b>	<b>Christian Kleiber</b>	
<b>Zeit und Ort</b>	Mi 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 The course will be taught "in class".	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Schadenversicherung (Masterstudium: Actuarial Science) Modul: Specific Electives in Data Science and Computational Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Modul: Technology Field (Masterstudium: Business and Technology)	



	<p>Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))</p>
<b>Inhalt</b>	<p>Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. Also, the number of covariates is typically modest. The present course has two parts:</p> <p>* In the first part, the course will cover classical (nonlinear) regression models for applications where data are naturally discrete, e.g. binary or count data. It will use the framework of generalized linear models (GLMs), which provides a unified approach to models such as logit, probit and Poisson regression. Inference will be likelihood based.</p> <p>* In the second part, there will be an introduction to the recent literature on statistical learning (aka machine learning), specifically to the notion of regularisation, with LASSO as the main example.</p> <p>If time permits there will also be a chapter on finite mixture models.</p> <p>Remarks:</p> <p>* All course materials are on OLAT.</p> <p>* Empirical illustrations may include data from labor economics, health economics, or insurance, among further sources. The course will make use of the R language for statistical computing and graphics, hence basic knowledge of this software (including data import, running regressions) is expected.</p> <p>* In order to make room for further (regression) models, there will at most be a brief review of likelihood methods, possibly offered in digital form. Participants are expected to be familiar with these methods at the level of the compulsory MSc level Econometrics course.</p>
<b>Literatur</b>	<p>Main references:</p> <p>Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press. James G, Witten D, Hastie T, Tibshirani R (2021). An Introduction to Statistical Learning, 2nd ed. New York: Springer. [available in electronic form via the university library!] Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer.</p> <p>Further (topic-specific) references will be indicated in the relevant contexts. <a href="https://wwz.unibas.ch/de/oekonometrieundstatistik/lehre/">https://wwz.unibas.ch/de/oekonometrieundstatistik/lehre/</a></p>
<b>Weblink</b>	<p>Leistungsnachweis</p>
<b>Leistungsüberprüfung</b>	<p>1-6 0,1</p>
<b>Skala</b>	<p>keine Wiederholungsprüfung</p>
<b>Wiederholungsprüfung</b>	<p>An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA</p>
<b>An-/Abmeldung zur Prüfung</b>	<p>Notes for the Assessment: Written exam; 23.06.22; 10:15-11:45. WWZ S15: A-Z. <a href="https://wwz.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/">https://wwz.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/</a></p>
<b>Hinweise zur Leistungsüberprüfung</b>	<p>In addition, there will be assignments, for which students may work in groups of two. This time, I am aiming for bi-weekly assignments (more frequent but shorter than in previous years). Overall, the assignments will account for 30% of the final grade.</p>
<b>Belegen bei Nichtbestehen</b>	<p>beliebig wiederholbar</p>
<b>Einsatz digitaler Medien</b>	<p>kein spezifischer Einsatz</p>
<b>Unterrichtssprache</b>	<p>Englisch</p>
<b>Teilnahmevoraussetzungen</b>	<p>Prerequisites: Completed bachelor's degree (for students majoring in Business and Economics). Introduction to Econometrics [BA] (for students from other departments: regression basics). Econometrics [MSc] (for students from other departments: a second course in statistics, notably likelihood methods).</p>



**Anmeldung zur Lehrveranstaltung** Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period. Enrolment = Registration for the exam!

**Bemerkungen** The course will be taught "in class".

60336-01 Vorlesung: Population and Economic Growth 6 KP

**Dozierende** **Robert Stelter**  
**Zeit und Ort** Mo 08:15-12:00 - Online Präsenz -  
 The course starts as an online course with Zoom and will switch to be taught "in class" during the semester (see dates below).  
**Datum** 21.02.2022  
**Intervall** wöchentlich  
**Angebotsmuster** Jedes Frühjahrsem.  
**Anbietende Organisationseinheit** Wirtschaftswissenschaftliche Fakultät / WWZ  
**Module** Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)  
 Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)  
 Modul: Wahlbereich (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))  
**Lernziele** 1. Introduction to (neoclassical) growth theories, 2. Basics skills in continuous and discrete time dynamical general equilibrium models, 3. Numerical applications.  
**Inhalt** How do population dynamics and economic growth interact? We start with an introduction to neoclassical growth theories to study the way population alters economic dynamics during the period of modern growth. Then, we turn to the historical perspective and investigate the interplay of population and economic dynamic in the era of stagnation. Finally, the lecture series introduces to unified theories of economic growth modelling the endogenous transition from stagnation to sustained growth to study the role of populations during the transition.  
**Literatur** tbd  
**Weblink** [https://adam.unibas.ch/goto\\_adam\\_crs\\_1079360.html](https://adam.unibas.ch/goto_adam_crs_1079360.html)  
**Leistungsüberprüfung** Leistungsnachweis  
**Skala** 1-6 0,1  
**Wiederholungsprüfung** keine Wiederholungsprüfung  
**An-/Abmeldung zur Prüfung** An-/Abmelden: Belegen resp. Stornieren der Belegung via MOOnA  
**Hinweise zur Leistungsüberprüfung** Assignments and final Examination.  
 Written exam: 30.05.22; 08:15. WWZ S16: A-Z.  
**Belegen bei Nichtbestehen** beliebig wiederholbar  
**Einsatz digitaler Medien** kein spezifischer Einsatz  
**Unterrichtssprache** Englisch  
**Teilnahmevoraussetzungen** Bachelor degree in economics (or an equivalent degree), good command English  
**Anmeldung zur Lehrveranstaltung** Registration: Please enrol in MOOnA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch) within the official enrolment period.  
**Bemerkungen** The course will be taught "in class".

63593-01 Vorlesung mit Übungen: Methods in Policy Impact Assessment 3 KP

**Dozierende** **Ruth Delzeit**  
 Alena Schmidt  
**Zeit und Ort** Mo 14:15-16:00 Geographie, Seminarraum EG 0-09  
**Datum** 21.02.2022  
**Intervall** wöchentlich  
**Angebotsmuster** Jedes Frühjahrsem.  
**Anbietende Organisationseinheit** Geowissenschaften  
**Module** Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development)  
 Modul: Landscape Systems (Masterstudium: Geowissenschaften)  
 Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)  
 Modul: Geographische Methoden- und Forschungskompetenz (MSF - Geographie)  
 Modul: Fields: Environment and Development (MSG - African Studies)  
 Modul: Interdisciplinary and Applied African Studies (MSG - African Studies)



<b>Lernziele</b>	Know the different phases of policy evaluation; Have knowledge about the usability and limitation of models in policy evaluation; Work with Computable general equilibrium (CGE) and agent-based models; Have basic knowledge of GAMS
<b>Inhalt</b>	The lecture consists of one hour of theoretical background and one hour of exercises. In the theory part, the different instruments and phases of policy evaluation are discussed. In the exercise, students learn to use models for ex-ante policy evaluation. For this reason, students will also get acquainted to the programming language GAMS
<b>Literatur</b>	Burfisher, Mary E. (2020). Introduction to computable general equilibrium models. 3rd edition. Cambridge university press
<b>Weblink</b>	<a href="https://duw.unibas.ch/de/humangeographie/">https://duw.unibas.ch/de/humangeographie/</a>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MoNA
<b>Hinweise zur Leistungsüberprüfung</b>	Die Leistungsüberprüfung findet als benotete Übungen statt.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Some preliminary knowledge of programming is useful.
<b>Bemerkungen</b>	Anwesenheitspflicht

**Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften**

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

<b>Dozierende</b>	<b>Paul Burger</b> Rony Emmenegger
<b>Zeit und Ort</b>	Do 14:15-16:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001 Dates: 3. /17. and 24. March; 21. and 28. April; 12. May; 2. June: 14.15-16.00h.
<b>Datum</b>	03.03.2022
<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Semester
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung
<b>Module</b>	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Changing Societies Lab (MSG - Changing Societies: Migration – Conflicts – Resources)
<b>Lernziele</b>	Participants have in-depth knowledge about thematic and methodological aspects of social science research on sustainability.
<b>Inhalt</b>	Based on the presentation of ongoing research projects (Master's 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 set in the first session.
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	Pass / Fail
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MoNA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory, active participation, oral presentations. Details according to information of lecturers.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Only for MSD students with focus area in social science.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MoNA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).
<b>Bemerkungen</b>	Exclusively for MSD-students with focus area in social sciences who present specific aspects of their master's thesis. Mandatory for all MSD-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). Enrollment and presentation according to agreement with Prof. Dr. Burger.  Dates: 3. /17. and 24. March; 21. and 28. April; 12. May; 2. June: 14.15 to 16.00h



This colloquium is offered by the 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

<b>Dozierende</b>	<b>Paul Burger</b> Patricia Holm Frank Christian Krysiak
<b>Zeit und Ort</b>	Mo 08:15-10:00 Kollegienhaus, Mehrzweckraum 035 Meetings for all participants on Mondays, 08.15 to 10h am on the following dates: 21.02.22; 14.03.22; 04.04.22 and 25.04.22
<b>Datum</b>	21.02.2022
<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Semester
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften
<b>Module</b>	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
<b>Lernziele</b>	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know how 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 with non-academic fields (such as politics, business etc.); - are familiar with formal requirements for a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).
<b>Inhalt</b>	Writing a master's thesis related to a topic of sustainability 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 their research proposal in a structured, systematic and scientific manner. 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. 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 class will be split into three groups and the students will develop their research proposal along the specific requirements according to their own focus areas.
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory, required readings, presentation. Outline of master's thesis' research design according to information of lecturers.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch



<b>Teilnahmevoraussetzungen</b>	Exclusively for MSD-students. Students of IJDSD may attend the course according to agreement with P. Burger. No other students admitted.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).  Exclusively for MSD-students. Students of IJDSD may attend the course according to agreement with P. Burger. No other students admitted.
<b>Bemerkungen</b>	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.  Students of IJDSD may attend the course according to agreement with P. Burger.  Meetings for all participants on Mondays, 08.15 to 10h am on the following dates: 21.02.22; 14.03.22; 04.04.22 and 25.04.22  Meetings in between in groups according to announcement of responsible professors.  This course is offered by the MSD: Prof. Dr. Patricia Holm, Paul Burger (lead) and Frank Krysiak are heading the MSD teaching committee.

50267-01	Seminar: Current Topics in Social Science Based on Sustainability Research	3 KP
<b>Dozierende</b>	<b>Annika Sohre</b>	
<b>Zeit und Ort</b>	Mi 12:15-14:00 Vesalianum, Seminarraum (O2.02)	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	unregelmässig	
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung	
<b>Module</b>	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Resources and Sustainability (MSG - Changing Societies: Migration – Conflicts – Resources)	
<b>Lernziele</b>	By the end of the semester the participants will have acquired competencies and skills necessary to disclose current topics of social science based sustainability research. Specifically, they will know how to set up systematic search strategies to find and delimitate relevant and current topics; how to elaborate the state of discussion in a given field; and how to specify knowledge gaps. Furthermore, they will learn how to summarize debates about current sustainability issues.	
<b>Inhalt</b>	Sustainability research in the social sciences is a rapidly developing field that covers a broad range of debates within and across various disciplines and problem areas. This poses a huge challenge to keep track of "what is going on?", to filter interesting topics and cope with the complexity of different contributions. Furthermore, there is a growing demand for social scientists to improve science communication, that is, condensing scientific results to comprehensible information, e.g. in the state-of-the-art section of a master thesis. In a lab setting, the students will systematically identify and engage with a current topic of social science-based sustainability research based on the method of systematic literature reviews. The students: - search and select current topics, and they further elaborate these topics in literature reviews; - discuss empirical, theoretical, methodological and practical issues concerning current topics; - present and discuss the developed topics orally and in written form.	
<b>Literatur</b>	Tba during the seminar.	
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA	
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance, required readings, oral presentation, essay.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	



<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	<p>Special course application required for ALL (for details see 'course application' or 'Anmeldung'); Seminar is full.</p> <p>Limited number of participants (20); students of the MSD and IJDSO have priority. If you study something different you must do 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.</p> <p>MSD 2017 Students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP).</p>
<b>Anmeldung zur Lehrveranstaltung</b>	Seminar is full, no course enrollment on MOnA possible anymore.
<b>Bemerkungen</b>	<p>Please note entry requirements and mandatory course application procedure (additional to registration on MOnA). Seminar is full, no course enrollment on MOnA possible anymore.</p> <p>MSD 2017 For students with focus area in social sciences the seminar is mandatory for the published module.</p> <p>Transfer of credit points to the FASR module (learning agreement) is only possible for students with focus area in natural sciences or in economics.</p> <p>This seminar is offered by MSD. Dr. A. Sohre is post doc staff member of the Sustainability Research Group, Dep. of Social Sciences, Faculty of Humanities and Social Sciences.</p>
46737-01	3 KP
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<b>Dozierende</b>	<b>Iljana Schubert</b>
<b>Zeit und Ort</b>	Do 10:15-12:00 Bernoullistrasse 14/16, Kleiner Seminarraum 02.001
<b>Datum</b>	24.02.2022
<b>Intervall</b>	wöchentlich
<b>Angebotsmuster</b>	unregelmässig
<b>Anbietende Organisationseinheit</b>	Fachbereich Nachhaltigkeitsforschung
<b>Module</b>	<p>Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies)</p> <p>Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development)</p> <p>Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft)</p> <p>Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie)</p> <p>Modul: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)</p>
<b>Lernziele</b>	To understand what experimental research methods are and how to design experiments in social sciences. Gain some experience designing experiments, collecting some data and understanding basic analysis.
<b>Inhalt</b>	<p>This seminar will teach different experimental research techniques, such as lab experiments, field experiments and survey experiments, in the social sciences. It will include practical aspects which will focus on design, data collection and basic data analysis. Each seminar session will be divided into individual presentations and group work to develop, collect data on and analyse a small scale experiment within groups of 2-4 people.</p> <p>This course is supported by "Impuls". Impuls supports lecturers and students in implementing projects related to the Sustainable Development Goals (SDGs) as part of their courses. The funding from Impuls is intended to train students to become change agents for sustainability and to inspire and enable them to use these skills for sustainable(re) development in their later professional and private lives. In addition to financial support, the funding also includes coaching for the implementation of the student projects and an SDG workshop. More information is available on the website: <a href="http://www.unibas.ch/impuls">www.unibas.ch/impuls</a>.</p>





<p><b>Literatur</b> <b>Leistungsüberprüfung</b> <b>Skala</b> <b>Wiederholungsprüfung</b> <b>An-/Abmeldung zur Prüfung</b> <b>Hinweise zur Leistungsüberprüfung</b></p>	<p>tba in class Lehrveranst.-begleitend 1-6 0,1 keine Wiederholungsprüfung An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA Regular attendance, required reading. Individual presentation and small group experimental research project report.</p>
<p><b>Belegen bei Nichtbestehen</b> <b>Einsatz digitaler Medien</b> <b>Unterrichtssprache</b> <b>Teilnahmevoraussetzungen</b></p>	<p>beliebig wiederholbar kein spezifischer Einsatz Englisch Prior experience with statistical software (e.g. SPSS) as well as prior knowledge of univariate statistics and basic knowledge of ANOVA or OLS regression is expected.</p> <p>Special course inscription required for ALL (for details see 'course application' or 'Anmeldung').</p> <p>Limited number of participants (15), Students of the MSD and JIDSD 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 a master degree within the Department of Social Sciences/Faculty of Humanities and Social Sciences and may attend the seminar in case of vacancies (=third priority). MSD students who have chosen the focus area in natural sciences or in economics must have completed the 'Complementary Knowledge in Social Sciences' module (at least 8 CP). Mandatory application for ALL: Link for application open from 18.01.22/noon - 06.02.22/midnight: <a href="https://adam.unibas.ch/goto_adam_fold_744950.html">https://adam.unibas.ch/goto_adam_fold_744950.html</a></p> <p>Login on top row right hand side of ADAM website. The link is open as soon as the application form is online.</p> <p>In case of vacancies the mandatory online application link remains open until 03.03.22/noon.</p>
<p><b>Anmeldung zur Lehrveranstaltung</b></p>	<p>Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five). Please note entry requirements and mandatory course application procedure (additional to registration on MOnA). For details see corresponding paragraphs.</p>
<p><b>Bemerkungen</b></p>	<p>MSD 2017 Students who have chosen the focus area in natural sciences or in economics transfer the CP to the FASR module (learning agreement). For the students with focus area in social science it's mandatory to attend one class in methods, see information in the medium-term syllabus. If they attend this seminar on a voluntary base, they can accredit the CP either for the published module or transfer them to the FASR module (learning agreement).</p> <p>This seminar is offered by MSD. Dr. Iljana Schubert is a post doc staff member of the Sustainability Research Group, Dep. Social Sciences, Faculty of Humanities and Social Sciences.</p>

<p>33426-01</p>	<p>Seminar: Quantitative Data Analysis in African Studies</p>	<p>3 KP</p>
<p><b>Dozierende</b> <b>Zeit und Ort</b> <b>Datum</b> <b>Intervall</b> <b>Angebotsmuster</b> <b>Anbietende Organisationseinheit</b> <b>Module</b></p>	<p><b>Elisio Macamo</b> Mi 10:15-12:00 Rheinsprung 21, Seminarraum 00.004 23.02.2022 wöchentlich Jedes Frühjahrsem. Zentrum für Afrikastudien Modul: Methoden der Gesellschaftswissenschaften (Masterstudium: European Global Studies) Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Creating, Analyzing and Visualizing of Data (MSF - Digital Humanities) Modul: Introduction to Digital Humanities (MSF - Digital Humanities)</p>	



	<p>Modul: Methoden der Near &amp; Middle Eastern Studies und der Gesellschaftswissenschaften (MSF - Near &amp; Middle Eastern Studies)          Modul: Erweiterung Gesellschaftswissenschaften M.A. (MSF - Politikwissenschaft)          Modul: Methoden der Soziologie und der Gesellschaftswissenschaften: quantitativ (MSF - Soziologie)          Modul: Research Skills (MSG - African Studies)          Modul: Methods for Analyzing Changing Societies (MSG - Changing Societies: Migration – Conflicts – Resources)          Modul: Transfer: Europa interdisziplinär (MSG - Europäische Geschichte in globaler Perspektive)</p>
<b>Lernziele</b>	<p>Students know          - that “analysis” is above all an exercise in argumentation;          - how to identify the logical structure of explanations in quantitative analysis;          - how basic argument forms such as comparison and representativeness can be deployed in analysis;          - how to avoid the pitfalls of faulty reasoning such as in “cause and effect”, “ignoring evidence” and “anticipation”;          - how to deploy quantitative analytic tools in the context of Africa.</p>
<b>Inhalt</b>	<p>The aim of this course is to improve participants’ ability to read and critically engage with quantitative research reports. It assumes no advanced knowledge of mathematics and does not expect participants to be familiar with advanced statistical methods. The course will introduce participants to the logic of quantitative analysis by exploring fundamental aspects of the logic underlying it and in this way improving participants’ own analytical and critical skills. In preparation for the course, participants are required to not only read the recommended literature, but also identify a quantitative research report (article, book chapter, etc.), which they are expected to critically evaluate as part of their own evaluation for the course.</p>
<b>Literatur</b>	<p>Neuman, Lawrence, W. 2007: Basics of Social Research – Qualitative and Quantitative Approaches. Pearson Education. Boston (chapter 10).          Kalof, Linda, Dan, Amy and Dietz, Thomas 2008: Essentials of Social Research. Open University Press. Maidenhead (chapter 3).          Best, Joel 2001: Damned Lies and Statistics – Untangling numbers from the media, politicians, and activists. University of California Press. Berkeley.          Browne, M. Neil and Keeley, Stuart M. 2007: Asking the Right Questions – A guide to critical thinking. Pearson Prentice Hall. New Jersey.          Murphy, Robert P. Economists Should Be More Careful With Their Statistics. Here: <a href="https://www.econlib.org/library/Columns/y2018/Murphystatistics.html">https://www.econlib.org/library/Columns/y2018/Murphystatistics.html</a></p>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	Pass / Fail
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	Anmelden: Belegen: Abmelden: nicht erforderlich
<b>Hinweise zur Leistungsüberprüfung</b>	In preparation for the course, participants are required to not only read the recommended literature, but also identify a quantitative research report (article, book chapter, etc), which they are expected to critically evaluate as part of their own evaluation for the course. The block course consists of morning sessions only except from tuesday. Participants must allow for sufficient time for daily assignments..
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch

**Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften**

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

<b>Dozierende</b>	<b>Paul Burger</b> Patricia Holm Frank Christian Krysiak
<b>Zeit und Ort</b>	Mo 08:15-10:00 Kollegienhaus, Mehrzweckraum 035 Meetings for all participants on Mondays, 08.15 to 10h am on the following dates: 21.02.22; 14.03.22; 04.04.22 and 25.04.22
<b>Datum</b>	21.02.2022
<b>Intervall</b>	unregelmässig
<b>Angebotsmuster</b>	Jedes Semester
<b>Anbietende Organisationseinheit</b>	Departement Umweltwissenschaften



<b>Module</b>	Modul: Vorbereitung Masterarbeit Gesellschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)
<b>Lernziele</b>	The students - know how to prepare a research proposal for their master's thesis in a structured, systematic and scientific manner; - know how 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 with non-academic fields (such as politics, business etc.); - are familiar with formal requirements for a master's thesis (correct citation, presentation of graphs, figures, results, plagiarism etc.).
<b>Inhalt</b>	Writing a master's thesis related to a topic of sustainability 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 their research proposal in a structured, systematic and scientific manner. 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. 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 class will be split into three groups and the students will develop their research proposal along the specific requirements according to their own focus areas.
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,1
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOnA
<b>Hinweise zur Leistungsüberprüfung</b>	Regular attendance mandatory, required readings, presentation. Outline of master's thesis' research design according to information of lecturers.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Exclusively for MSD-students. Students of IJDSD may attend the course according to agreement with P. Burger. No other students admitted.
<b>Anmeldung zur Lehrveranstaltung</b>	Course enrollment on MOnA should be completed by the beginning of the teaching period (withdrawal possible until Monday of week five).  Exclusively for MSD-students. Students of IJDSD may attend the course according to agreement with P. Burger. No other students admitted.
<b>Bemerkungen</b>	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.  Students of IJDSD may attend the course according to agreement with P. Burger.



Meetings for all participants on Mondays, 08.15 to 10h am on the following dates:  
21.02.22; 14.03.22; 04.04.22 and 25.04.22

Meetings in between in groups according to announcement of responsible professors.

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

47275-01	Seminar: Public Economics	6 KP
<b>Dozierende</b>	<b>Beat Hintermann</b>	
<b>Zeit und Ort</b>	Do 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S14 HG.32 The seminar will take place in-class.	
<b>Datum</b>	24.02.2022	
<b>Intervall</b>	unregelmässig	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Preparation Master's Thesis in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Research Design in Business and Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Research Design in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Seminararbeiten (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)	
<b>Lernziele</b>	See content.	
<b>Inhalt</b>	In this master seminar, students familiarize themselves with a paper in the field of public or environmental economics published in a top journal and gain practical experience with data management and analysis. The skills acquired will be useful in the context of writing the master thesis, as well as in students' subsequent careers. The task is to replicate and extend the assigned paper. Articles will be suggested, but students are free to propose their own paper that they wish to replicate, subject to approval by Prof. Hintermann. The extension can focus on a subsample, include additional explanatory variables, employ an alternative methodology and/or use additional data. The goal of the extension is to provide additional insights and to investigate the robustness of the results in the original work. Since the focus of this seminar is empirical and involves the application of existing code associated with the chosen paper, previous knowledge of statistical software packages will be helpful. Most of the papers listed in the seminar are written in Stata or R. We will support the students during the seminar, but we do not have the capacity to offer a personalized introduction to the different software packages. Please keep this in mind when signing up for the seminar. If you have absolutely no experience with statistical software packages, we suggest that you attend an introductory course at the beginning of the semester.	
<b>Literatur</b>	See syllabus	
<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>	
<b>Leistungsüberprüfung</b>	Seminarleistung	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	An- und Abmelden: Fakultät	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Completed Bachelor in Business and Economics. The further prerequisites are - 12036 Econometrics must be passed successfully	
	More about the general prerequisites and the allocation process can be found here: <a href="https://wwz.unibas.ch/de/studium/master-business-and-economics/masterseminare/">https://wwz.unibas.ch/de/studium/master-business-and-economics/masterseminare/</a>	
<b>Anmeldung zur Lehrveranstaltung</b>	Knowledge of Stata or R is highly recommended. The application for this seminar is done centrally and online until January 10, 2022 with the Studiendekanat. The link to the online application form and more information can be found here: <a href="https://wwz.unibas.ch/de/studium/master/masterseminare/">https://wwz.unibas.ch/de/studium/master/masterseminare/</a>	



The registration is binding. In case of non-participation after registration it will be noted as "nicht erschienen" in the transcript. For a break up after receiving a subject and title, there will be a "1.0" recorded.

**Bemerkungen**

The seminar will take place in-class.

17691-01	Vorlesung: International Trade, Resources and the Environment	3 KP
<b>Dozierende</b>	M. Scott Taylor	
<b>Zeit und Ort</b>	Mo 14:15-16:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 The course will be taught "in - class".	
<b>Datum</b>	02.05.2022	
<b>Intervall</b>	Block	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul Global Europe: Handel und Unternehmen in der Globalisierung (Masterstudium: European Global Studies) Vertiefungsmodul Global Europe: Umwelt und Nachhaltigkeit (Masterstudium: European Global Studies) Vertiefungsmodul: International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Fields: Governance and Politics (MSG - African Studies)	
<b>Lernziele</b>	see content	
<b>Inhalt</b>	This course investigates the linkages between international trade and the environment from both a theoretical and empirical viewpoint. It investigates the theoretical links between international trade and sustainability in two ways by studying the link between trade and resource use on the one hand and trade and industrial pollution on the other. It then reviews the empirical evidence linking trade to environmental outcomes using the theory as a guide to evaluate and critique the literature.	
<b>Literatur</b>	Some of the material covered are chapters in preparation for a new book "International Trade and Resource Use" and will be made available to students in pdf format. Most of it, however, is based on a selection of articles published in international journals.	
<b>Weblink</b>	<a href="https://adam.unibas.ch">https://adam.unibas.ch</a>	
<b>Leistungsüberprüfung</b>	Leistungsnachweis	
<b>Skala</b>	1-6 0,1	
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung	
<b>An-/Abmeldung zur Prüfung</b>	Anmelden: Belegen; Abmelden: Studiendekanat	
<b>Hinweise zur Leistungsüberprüfung</b>	There will be one final exam and a paper requirement. The exam date will be established in the first lecture. The paper should be a critical analysis of a scholarly or popular article discussing some aspect of international trade's impact on the environment. The paper must use, at least implicitly, the tools and logic developed in the course.  The date of the exam as well as the deadline of the paper will be posted and mentioned in the first class. Exam date: 31.05.22; 14:15:15:45. WWZ S15: A-H; WWZ S14: J-Z.	
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar	
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz	
<b>Unterrichtssprache</b>	Englisch	
<b>Teilnahmevoraussetzungen</b>	Required: A good understanding of the principles of economics and of microeconomics.  Recommended: Advanced International Trade and Business Environmental and Resource Economics	



<b>Anmeldung zur Lehrveranstaltung</b>	Registration: Please enrol in MOuA. 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 May 6, 2022 at the latest by email, including the completed exam cancellation form, which can be found on the homepage, to belegungstorno-wwz-at-unibas.ch.
<b>Bemerkungen</b>	<p>The course will be taught "in - class".</p> <p>You should have a look at some of the literature discussed in class in advance of the course to be prepared for the course. The material will be accessible on ADAM approximately three weeks in advance of the start of the course. Students will be able to access the reading material after registration.</p> <p>The course is part of the "Guestprofessorship in Globalization - Internationalization of the Economy"</p>

16036-01	Vorlesung: Microeconometrics and Statistical Learning	3 KP
<b>Dozierende</b>	<b>Christian Kleiber</b>	
<b>Zeit und Ort</b>	Mi 10:15-12:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31 The course will be taught "in class".	
<b>Datum</b>	23.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Wirtschaftswissenschaftliche Fakultät / WWZ	
<b>Module</b>	Modul: Field Electives in Economics and Public Policy (Masterstudium: Economics and Public Policy) Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Schadenversicherung (Masterstudium: Actuarial Science) Modul: Specific Electives in Data Science and Computational Economics (Masterstudium: Wirtschaftswissenschaften) Modul: Specific Electives in Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften) Modul: Statistik und Computational Science (Masterstudium: Actuarial Science) Modul: Technology Field (Masterstudium: Business and Technology) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Spezialisierungsmodul: Areas of Specialization in International and/or Monetary Economics (Masterstudium: International and Monetary Economics) Vertiefungsmodul: Marketing and Strategic Management (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021)) Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften (Studienbeginn vor 01.08.2021))	
<b>Inhalt</b>	<p>Introductory econometrics courses mainly cover the linear regression model, which is suitable for modelling response variables that may be considered as continuous. Also, the number of covariates is typically modest. The present course has two parts:</p> <p>* In the first part, the course will cover classical (nonlinear) regression models for applications where data are naturally discrete, e.g. binary or count data. It will use the framework of generalized linear models (GLMs), which provides a unified approach to models such as logit, probit and Poisson regression. Inference will be likelihood based.</p> <p>* In the second part, there will be an introduction to the recent literature on statistical learning (aka machine learning), specifically to the notion of regularisation, with LASSO as the main example.</p> <p>If time permits there will also be a chapter on finite mixture models.</p> <p>Remarks:</p> <p>* All course materials are on OLAT.</p> <p>* Empirical illustrations may include data from labor economics, health economics, or insurance, among further sources. The course will make use of the R language for statistical computing and graphics, hence basic knowledge of this software (including data import, running regressions) is expected.</p>	



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

**Literatur**

Main references:

Cameron AC, Trivedi PK (2005). Microeconometrics, Cambridge Univ. Press.  
James G, Witten D, Hastie T, Tibshirani R (2021). An Introduction to Statistical Learning, 2nd ed. New York: Springer. [available in electronic form via the university library!]  
Winkelmann R, Boes S (2009). Analysis of Microdata, 2nd ed, Springer.

**Weblink**

Further (topic-specific) references will be indicated in the relevant contexts.

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

**Leistungsüberprüfung**

Leistungsnachweis

**Skala**

1-6 0,1

**Wiederholungsprüfung**

keine Wiederholungsprüfung

**An-/Abmeldung zur Prüfung**

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

**Hinweise zur Leistungsüberprüfung**

Notes for the Assessment:

Written exam; 23.06.22: 10:15-11:45. WWZ S15: A-Z.

<https://wwz.unibas.ch/de/studium/pruefungen/vorlesungs-und-pruefungsraeume/>

In addition, there will be assignments, for which students may work in groups of two. This time, I am aiming for bi-weekly assignments (more frequent but shorter than in previous years). Overall, the assignments will account for 30% of the final grade.

**Belegen bei Nichtbestehen**

beliebig wiederholbar

**Einsatz digitaler Medien**

kein spezifischer Einsatz

**Unterrichtssprache**

Englisch

**Teilnahmevoraussetzungen**

Prerequisites:

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

Introduction to Econometrics [BA] (for students from other departments: regression basics).

Econometrics [MSc] (for students from other departments: a second course in statistics, notably likelihood methods).

**Anmeldung zur Lehrveranstaltung**

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

**Bemerkungen**

The course will be taught "in class".

62659-01 Vorlesung: Numerical Methods and Optimization 3 KP

**Dozierende**

**Hannes Weigt**

**Zeit und Ort**

Mi 12:15-14:00 Wirtschaftswissenschaftliche Fakultät, Seminarraum S15 HG.31

Latest update (27.01.2022): The course will be taught in - class with a simultaneous live-stream which will be recorded.

**Datum**

23.02.2022

**Intervall**

wöchentlich

**Angebotsmuster**

Jedes Frühjahrsem.

**Anbietende Organisationseinheit**

Wirtschaftswissenschaftliche Fakultät / WWZ

**Module**

Modul: Core Courses in International Trade, Growth and the Environment (Masterstudium: Wirtschaftswissenschaften)

Modul: Fundamentals in Economics (Masterstudium: Economics and Public Policy)

Modul: Specific Electives in Business and Economics (Masterstudium:

Wirtschaftswissenschaften)

Modul: Specific Electives in International Trade, Growth and the Environment (Masterstudium:

Wirtschaftswissenschaften)

Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development)

Vertiefungsmodul: Quantitative Methods (Masterstudium: Wirtschaftswissenschaften

(Studienbeginn vor 01.08.2021))

**Lernziele**

Overall, the purpose of this course is to enhance students' abilities to translate economic questions into a formal mathematical language and in turn understand the mathematical properties and results of models from an economic perspective. Consequently, the purpose of the course is not to provide students with detailed knowledge on specific computational approaches and algorithms.



<b>Inhalt</b>	<p>Building upon the economic basics from the core courses, students learn how to transfer economic problems and questions into mathematical models which can in turn be solved using computational methods. The lecture will focus on economic understanding and interpretation of models with examples from the topical fields of the MEPP.</p> <p>In particular, students will learn what economic modeling entails, how to develop basic model formulations for a given research question, the purpose of different model approaches, and the limits of modeling. In addition, students will learn how to implement and solve simple numerical models. To this end the lecture will use both, generic economic exercise examples to showcase the basic elements of modeling as well as test models within the fields of the MEEP which students are tasked to interpret and extend. Thereby students will be able to experience how modeling can be applied to understand economic structures and dynamics and how numerical methods can help to solve and quantify specific questions.</p> <p>The modeling elements of the lecture will focus on single agent and system perspectives (optimization models) as well as actor interactions (equilibrium models), which are recurring themes throughout economics.</p>
<b>Literatur</b> <b>Weblink</b> <b>Leistungsüberprüfung</b> <b>Skala</b> <b>Wiederholungsprüfung</b> <b>An-/Abmeldung zur Prüfung</b> <b>Hinweise zur Leistungsüberprüfung</b>	<p>Any needed literature will be provided in the lecture.  <a href="https://wwz.unibas.ch/de/energieoekonomie/lehre/">https://wwz.unibas.ch/de/energieoekonomie/lehre/</a>          Leistungsnachweis          1-6 0,1          keine Wiederholungsprüfung          An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA          Performance will be assessed via homework assignments and a final exam.          written exam: 20.06.22; 10:15-11:45. WWZ S15: A-Z.          The exam is scheduled in presence. If entrance checks are necessary for the exam due to Covid protection measures, the start of the exam may still be delayed by up to 30 minutes. In case COVID-19 protective measures prevent examination on site, the faculty reserves the right to conduct the examination electronically during the same time slot.</p>
<b>Belegen bei Nichtbestehen</b> <b>Einsatz digitaler Medien</b> <b>Unterrichtssprache</b> <b>Teilnahmevoraussetzungen</b>	<p>beliebig wiederholbar          kein spezifischer Einsatz          Englisch          The lecture elements of the course will provide the needed economic and mathematical basics. Nevertheless, a solid background in microeconomics and mathematics is required. Basic understanding of computational economics will be helpful, but is not required.</p>
<b>Anmeldung zur Lehrveranstaltung</b>	<p>It is not assumed that students are familiar with a specific programming language or modeling software. A set of different models will be provided with different languages (i.e. GAMS, Python, Matlab). However, the lecture will not provide detailed background on coding any of those languages.</p> <p>Registration: Please enrol in MOA. EUCOR-Students and students of other Swiss Universities have to enrol at the students administration office (studseksupport1@unibas.ch). Enrolment = Registration for the exam!</p>
<b>Bemerkungen</b>	<p>Latest update (27.01.2022): The course will be taught in - class with a simultaneous live-stream which will be recorded.</p>

63593-01	Vorlesung mit Übungen: Methods in Policy Impact Assessment	3 KP
<b>Dozierende</b>	<b>Ruth Delzeit</b> Alena Schmidt	
<b>Zeit und Ort</b>	Mo 14:15-16:00 Geographie, Seminarraum EG 0-09	
<b>Datum</b>	21.02.2022	
<b>Intervall</b>	wöchentlich	
<b>Angebotsmuster</b>	Jedes Frühjahrsem.	
<b>Anbietende Organisationseinheit</b>	Geowissenschaften	
<b>Module</b>	Modul: Kernbereich Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Landscape Systems (Masterstudium: Geowissenschaften) Modul: Vorbereitung Masterarbeit Wirtschaftswissenschaften (Masterstudium: Sustainable Development) Modul: Geographische Methoden- und Forschungskompetenz (MSF - Geographie) Modul: Fields: Environment and Development (MSG - African Studies) Modul: Interdisciplinary and Applied African Studies (MSG - African Studies)	





<b>Lernziele</b>	Know the different phases of policy evaluation; Have knowledge about the usability and limitation of models in policy evaluation; Work with Computable general equilibrium (CGE) and agent-based models; Have basic knowledge of GAMS
<b>Inhalt</b>	The lecture consists of one hour of theoretical background and one hour of exercises. In the theory part, the different instruments and phases of policy evaluation are discussed. In the exercise, students learn to use models for ex-ante policy evaluation. For this reason, students will also get acquainted to the programming language GAMS
<b>Literatur</b>	Burfisher, Mary E. (2020). Introduction to computable general equilibrium models. 3rd edition. Cambridge university press
<b>Weblink</b>	<a href="https://duw.unibas.ch/de/humangeographie/">https://duw.unibas.ch/de/humangeographie/</a>
<b>Leistungsüberprüfung</b>	Lehrveranst.-begleitend
<b>Skala</b>	1-6 0,5
<b>Wiederholungsprüfung</b>	keine Wiederholungsprüfung
<b>An-/Abmeldung zur Prüfung</b>	An-/Abmelden: Belegen resp. Stornieren der Belegung via MOA
<b>Hinweise zur Leistungsüberprüfung</b>	Die Leistungsüberprüfung findet als benotete Übungen statt.
<b>Belegen bei Nichtbestehen</b>	beliebig wiederholbar
<b>Einsatz digitaler Medien</b>	kein spezifischer Einsatz
<b>Unterrichtssprache</b>	Englisch
<b>Teilnahmevoraussetzungen</b>	Some preliminary knowledge of programming is useful.
<b>Bemerkungen</b>	Anwesenheitspflicht