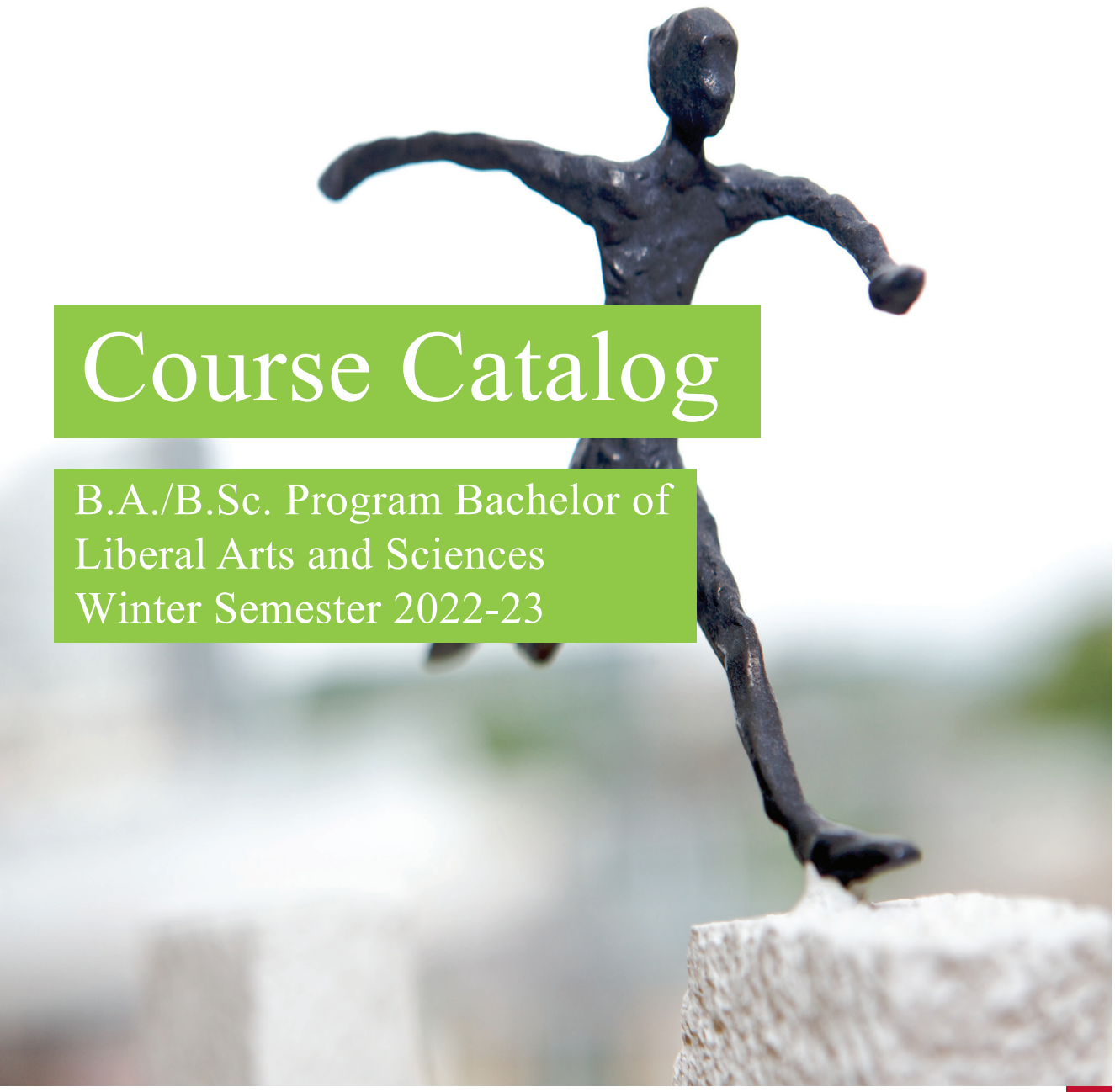
UNIVERSITY COLLEGE FREIBURG



Course Catalog

B.A./B.Sc. Program Bachelor of Liberal Arts and Sciences Winter Semester 2022-23

Albert-Ludwigs-Universität Freiburg

UNI FREIBURG

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I General Information

Due to the limited places in Liberal Arts and Sciences (LAS) courses, all courses listed in the LAS Course Catalog are open to LAS students and students of the official exchange partners and partner degree programs of UCF only.

1 Teaching Periods and Dates

Teaching Period	Dates
Pre Block	26 September – 7 October
Block III	17 October – 9 December
Block IV	12 December – 17 February
University Semester	17 October – 10 February (semester-long LAS courses run according the university semester)
Resit Period	3 – 29 April 2023 (resit examinations that require students' presence only)

The university is closed on public holidays! Dates for individual courses may slightly vary from these dates (see course descriptions).

2 EPICUR – The European University

Uni Freiburg and UCF are part of **EPICUR, a pilot European University of the future**. As of winter semester 2020/21, EPICUR offers LAS-based seminars and other teaching activities across the alliance:

- EPICUR courses taught by UCF EPICUR staff are organized as regular UCF courses and listed in the LAS Course Catalog. Reserved EPICUR slots not taken by students from EPICUR partners will be assigned to UCF students on the waiting list during the post-registration period 2 and in registration period 3.
- EPICUR courses offered at the EPICUR partners can be taken by UCF students. These courses adhere to the individual partner's academic calendar and course organization.

Due to the international schedule, EPICUR courses and the LAS semester are not in sync. Registration for the new EPICUR LAS autumn 2022 courses will open from August 24 to September 18.

More information on upcoming courses and on course registration is available in the course catalog and on EPICampus, the EPICUR Virtual Campus Learning Platform. You can also find information on the new EPICUR European Track concept there. Credit recognition at UCF follows the procedure for courses taken outside the University of Freiburg during LAS.

Please also see the upcoming EPICUR course offerings in the field of Language & Culture.

3 LAS Academic Calendar

Date		Important Dates and Deadlines
September 2022		
Fri	02.09.	**Deadline: Application for Admission of Bachelor Thesis** (recommended date for students graduating at the end of WS 2022-23)
Starting 17.09.		**LAS Course Registration** with consecutive registration periods for courses of the upcoming winter semester (see Course Registration)
Tue	04.10.	**Start: Application for SLI Language Courses** (courses paid by UCF)
October 2022		
10.10.-14.10.		LAS Welcome Week
Mon	10.10.	**Deadline: Application for Non-LAS University of Freiburg Courses to be recognized in the Core or Major** Application forms have to be submitted to the course coordinators for recognition and signatures.
Fri	14.10.	LAS Graduation Ceremony
Mon	17.10.	Exam Registration and withdrawal for courses of Block I courses in HISinOne begin
Fri	21.10.	**Deadline: Application for Non-LAS University of Freiburg Courses to be recognized as Elective** (for graded examinations only) Please note that incomplete applications will not be considered.
November 2022		
Tue	01.11.	Public Holiday: All Saint's Day (no teaching)
Fri	11.11.	**Deadline: Exam Registration and withdrawal** for courses of Block I courses in HISinOne (not for courses of Block II)
Thu	15.11	**Deadline: Round One Application UCF Exchange Programs** for the Academic Year 2022/23. Details on the Application procedure will be announced by Email.
		Deadline: Application Credit Recognition for Study Abroad/Previous Studies
December 2022		
Fri	02.12.	**Deadline: Application for Admission of Bachelor Thesis**
Mon	12.12.	Exam Registration and withdrawal for courses of Block II **AND** semester long in HISinOne begin
		Bachelor Thesis Information Session, 14-16h (tbc)
23.12.-06.01.		University Christmas Break (no teaching)
January 2023		
Fri	13.01.	**Deadline: Exam registration and withdrawal** for Block II **AND** semester long courses

Date		Important Dates and Deadlines
Sun	15.01.	**Deadline: Round Two Applications for UCF Exchange Programs** for the Academic Year 2022/23. Details on the Application procedure will be announced via Email
Tue	31.01.	**Deadline: Declaration of Major** (to be taken into account for the upcoming course registration)
		Deadline: Application for Graduation WS 2022-23
February 2023		
Mon	06.02.	**Second Semester Information Session, 14-16h (tbc)** (recommended for first year students)
Thu	16.02.	**Deadline: Application for Admission of Bachelor Thesis** (recommended date for students graduating at the end of SS 2023)
Fri	17.02.	**End-of-semester Get-together**
March 2023		
Beginning of March		Publication of the LAS Course Catalog SS 2023 on the UCF website

II Course Registration

The outlined course registration procedure ensures that Liberal Arts and Sciences students and LAS exchange students can register for a sufficient number of courses to keep up with their studies and that they get priority for compulsory courses they require in order to graduate.

The LAS course registration procedure **applies to all courses offered by UCF that appear in the LAS Course Catalog (unless stated differently in the remarks section of the individual course descriptions).** Information on taking courses of other degree programs and by the Sprachlehrinstitut (SLI) of the University of Freiburg is available on the LAS Info Board on ILIAS.

1 When to Register for Courses?

LAS students register during the three consecutive registration periods as outlined below. Please note that students may have to register for different courses at different times.

LAS exchange students can register for courses during Registration Period II and III.

Students of partner degree programs at the University of Freiburg can register for courses during Registration Period III. Please additionally contact UCF (las.consultation@ucf.uni-freiburg.de) well in advance.

Registration Period I **Sat, 17.9. - Tue, 20.9. (12:00h, noon)**		
Who can register	**For what**	**Comment**
Liberal Arts and Sciences (LAS) students who have formally declared their major by 31st of January	LAS courses to be recognized as **Major courses only** (not as Electives, Core or Language courses!)	LAS students are allowed to register for a **maximum of 5 courses in total** (including language courses paid by UCF, excluding pre-block courses). If students register for more than 5 courses they will be removed from the most popular courses. No exceptions to this rule will be made. LAS Students who have not formally declared their major by 31st of January can only register for courses in Registration Period II.
Places will be assigned after the registration period. Higher year students will get priority on places unless otherwise noted in the course description. **You can check your registration status on Wednesday evening.** Your registration request may have been declined or you may have been moved to a different workgroup. Students whose registration requests have been declined will have the opportunity to register for alternative courses on **Thu, 22.9.**, 14:00h to 18:00h in HISinOne. **Please, de-register from courses that you do not want to take immediately.**		

Registration Period II **Sat, 24.9. - Tue, 27.9. (12:00h, noon)**		
Who can register	**For what**	**Comment**
LAS students (who have not yet achieved all credits in the respective area) **and LAS exchange students**	All courses listed in the LAS Course Catalog.	LAS and Exchange Students are allowed to register for a **maximum of 5 courses in total** (including language courses paid by UCF, excluding pre-block courses). No exceptions to this rule will be made.
Places will be assigned after the registration period. Higher year students will get priority on places unless otherwise noted in the course description. Whether or not a student has declared their major will not be considered anymore. **You can check your registration status on Wednesday evening.** Your registration request may have been declined or you may have been moved to a different workgroup. Students whose registration requests have been declined will have the opportunity to register for alternative courses on **Thu, 29.9.**, 14:00h to 18:00h in HISinOne. **Please, de-register from courses that you do not want to take immediately**		

Registration Period III Sat, 1.10. - Wed, 5.10. (12:00h, noon)		
Who can register	**For what**	**Comment**
LAS students, LAS Exchange students, and **Students of partner degree programs at the University Freiburg**	All courses listed in the LAS Course Catalog	Students can register for courses that still have places available. Students are allowed to register for a **maximum of 6 courses in total.**
Places will be assigned throughout the registration period. Regularly check your registration status in HISinOne. Your registration request may have been declined. In some cases, priority on places will be given to students of partner degree programs. **Please, de-register from courses that you do not want to take immediately.**		

2 How to Register for Courses?

Course registration takes place in the campus management system HISinOne. For a description of the registration process, please consult the LAS Info Board on ILIAS.

3 Participant Lists

Course participant lists will be finalized **on Monday, October 10, 2022** and passed on to the instructors. Later admissions to courses by the LAS program coordination will not be possible.

The final decision about participation in a course is always with the course instructor. Students may be excluded from a course at a later stage, e.g. if they do not fulfill the prerequisites or have not reached the required year of studies. It is also up to the instructors whether or not they admit students once the participant lists are finalized.

Courses with will less than five participants may be cancelled.

4 Problems with Course Registration?

If for some reason course registration does not work for you, please **contact the LAS program coordination** (las.consultation@ucf.uni-freiburg.de) **immediately**.
Requests after the deadline specified will not be considered.

Always provide

- your name, matriculation number and major (if declared formally),
- your study and examination regulations (2015, 2020, Exchange student),
- the exact course and module title that you wish to register for,
- and information about your problem. Please provide a screenshot of your problem whenever possible.

III Exam Registration

1 Who Needs to Register for Examination?

All students who wish to get credits for courses need to register for examinations.

2 When to Register for Examination?

Registration Period	Dates	Exam Registration and Withdrawal
1	Diverse dates tba in class	Pre-block
2	**17.10.2022 – 11.11.2022**	Block I
3	**12.12.2022 – 13.1.2023**	Block II AND semester long courses

The registration periods apply to all courses offered by UCF (unless otherwise noted in the course details). Courses of other degree programs have different registration periods.

Please register right at the beginning of the registration period in case any problems arise. **Please remember: You are not allowed to take part in the exam or will not be given a grade for any written work if you have not registered by the deadline specified.**

3 How to Register for Examination?

All LAS students (including first year students) and LAS exchange students (on UCF programs only) register their examinations in the campus management system HISinOne as outline on the LAS Info Board on ILIAS.

3.1 Students of other degree programs and other exchange programs

UCF does not organize exam registration for students of other degree programs and for international exchange students from other departments. Here exam registration is organized at the relevant faculty or by the international office for students on international office exchange programs. Students should contact their faculty or the International Office.

3.2 Has the exam registration been successful?

Pass/fail assessments (Studienleistungen) will appear as REG (Registriert) and graded assessments (Prüfungsleisungen) as ZU (zugelassen) in HSinOne. See *My enrollments and registrations* or your transcript of records.

4 Problems with Exam Registration

See Problems with Course Registration.

Foundational Year Schedule

	Monday		Tuesday		Wednesday		Thursday		Friday		
			B1			B2	B1			B2	
08:00-10:00			Research & Presentation (RP)			Introduction to Resp. & Leadership WGs	Research & Presentation (RP)			Introduction to Resp. & Leadership Projects	08:00-10:00
10:00-12:00	Lecture English Academic Writing		Research & Presentation (SB) (SS)			Introduction to Resp. & Leadership WGs	Research & Presentation (SB) (SS)			Introduction to Resp. & Leadership Projects	10:00-12:00
12:00-14:00	Lecture Knowledge in Context		English Academic Writing (1 SR)		Knowledge in Context WG 1 + 2		English Academic Writing (4 SR) (1 SG)				12:00-14:00
14:00-16:00	Lecture Research & Presentation	Lecture Introduction to Resp. & Leadership	English Academic Writing (2 SG) (3 TL)		Knowledge in Context WG 3+4		English Academic Writing (3 TL)				14:00-16:00
16:00-18:00			Research & Presentation (MM)	English Academic Writing (4 SG)			Research & Presentation (MM)	English Academic Writing (2 SG)			16:00-18:00
18:00-20:00											18:00-20:00

2. Course Descriptions

1 Pre-Block Courses

1.1 Study Area: Core

Rhetoric and Techniques of Presentation			
Core		Pre-Block	
Holger Witzenleiter (kontakt@holger-witzenleiter.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	2	20	00LE62S-LAS-CO0061
Module(s) StuPo 2015		Module(s) StuPo 2020	
Elective Joker		Advanced Academic Skills	
Prerequisites	none		
Format, Dates, Times and Rooms	Intensive Seminar 4.10., 9-17h, Ph HS1 7.10., 9-17h, AU Co-Creation Room		
Course Description	Powerful rhetoric and a precise, convincing argumentation will enhance your speeches or presentations. It is not only the way you structure your argument but also the different layers of delivery that can take your talks to another level. In this class we will focus on ▪ short speeches and brief addresses ▪ body language, facial expressions and gestures ▪ voice pitch, articulation, emphasizing through rhythmic speaking ▪ dealing with nervousness and fears for public speaking ▪ presenting: Standard phrases, five picture method, Pecha Kucha method ▪ killer phrases and quick-wittedness ▪ argumentation In this course we will see, what we find impressive, exercise what we will have learnt and pattern drill what helps us the most. Even if we start with differing previous knowledge, each student will have the chance to build a stronger and broader competence in these core skills.		
Remarks	Students of PO20 will have priority. Course registration in HISinOne from 15.8.-21.9.2022.		
Examination Dates	SL only		

KG Kollegiengebäude
AU Alte Universität
HS Hörsaal
BT Breisacher Tor

Ph Peterhof
HH Hermann-Herder-Straße
FMF Stefan-Meier-Str. 21

1.2 Study Area: Earth and Environmental Sciences / Environmental and Sustainability Sciences

Observing Nature			
EES/ESS, Electives		Pre-Block	
Sabine Sané (sabine.sane@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	15	00LE62S-LAS-EE0032
Module(s) StuPo 2015		Module(s) StuPo 2020	
Methods of Observing Nature Elective Joker		Methods of Observing Nature Elective Joker	
Prerequisites	Introduction to EES/ESS		
Format, Dates, Times and Rooms	Six daily excursions in and around Freiburg on September 26-29 and October 5-6. Alternatively October 7, as back up day in case of extremely bad weather.		
Course Description	Land use change occurrs nowadays due to different reasons. New housing districts are created, new roads installed, more agricultural land is needed, different forms of agriculture is applied, windmills and solar parks are installed and many more. Observing nature is essential to be able to understand nature and the changes that occur in our environment. The methods to observe our nature are manifold as is our living and non-living environment. This course provides you with an overview of different methods that can be used to observe our nature. We will go on daily excursions in and around Freiburg. We will apply quantitative and qualitative methods to identify, analyze and evaluate different types of vegetation and to observe animal behavior.		
Remarks	Students majoring in EES/ESS have priority. You must attend all excursion days. Only in case of sickness you can skip one excursion day but you will have to do make-up work for the missed day! The excursions will be whole day and partly outside of Freiburg. So you will also need to go to different locations either by public transport, car or if possible by bike. Only in case of extremely bad weather an excursion might be postponed to October 7. So always wear appropriate cloths since we will be outside in nature. Course registration in HISinOne from 15.8.-21.9.2022.		
Examination Dates	21.10.2022		
Resit Date	04.11.2022		

1.3 Study Area: Life Sciences

Drug Development and Regulation			
Life Sciences, Electives		Pre-Block	
Dr. Petra Lachmann (Lachmannp@aol.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	7	00LE62S-LAS-LS0035
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Life Sciences I or II Specialization Option I or II		Advanced Life Sciences I, II, or III Specialization I or II: Life Sciences	

Prerequisites	Introduction to Life Sciences
Format, Dates, Times and Rooms	Seminar 26.9.-27.9., 9-13h, AU 01065 28.09.-05.10., 9-15h, Lab at BIOSS Schänzlestraße 18, 79104 Freiburg 06.10.-07.10., 9-13h, AU 01065
Course Description	What is a drug? What is an active substance? What are biologics? What is an orphan drug? How are drugs discovered? What are the potential starting points? Who decides which drug /treatment/disease to follow up? What regulations have to be fulfilled to get pharmaceuticals approved? Who are the stakeholders involved? In this interdisciplinary course, we are going to investigate different areas of drug development. Starting point will be a disease and how it affects the body. The molecules – receptors, enzymes, genes – that might play a role in the disease will be discussed. Then we will talk about active substances, how to identify them and how they react with the target. The active substance - a chemical-synthetic substance or a biopharmaceutical - has to be produced in a larger scale and has to be tested in cell cultures, animals and finally in humans (GLP, GMP, GCP). We will take a closer look at preclinical development and at clinical trials. We will talk about the Committee of Animal Experimentation as well as the Ethics Commission and discuss the history behind it. Emphasis will also be put on legal requirements for drug approval in different countries - Europe, USA - and the agencies involved. We will spend five days in the lab to learn more about requirements and the importance of SOPs (Standard Operating Procedures): how to write them and why they are important; what they should include. At the end of the course students will... ▪ have a basic knowledge about the different steps in drug development ▪ understand the regulations for clinical trials including the history behind animal tests and clinical trials ▪ know about the legal requirements and the agencies involved in the approval of drugs ▪ have an understanding of the stakeholders involved ▪ write/discuss an SOP
Remarks	Course registration in HISinOne from 15.8.-21.9.2022.
Examination Dates	Write a Standard Operating Procedure for the experiments conducted, due on 31.10. in digital (to the instructor) and printed form (to Dr. Büchner).

1.4 Study Area: Multiple

Empowering for Sustainable Development			
Electives		Pre-Block	
Stefanie Klose (stefanie.klose@ucf.uni-freiburg.de), Karolina Gortych-Michalak, Joanna Kic-Drgas (both AMU Poznán), Julia Buchebner, Julia Wlasak, Michael Ambros (all BOKU Vienna)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	4	20	00LE62S-LAS-EE0035-E012
Module(s) StuPo 2015		Module(s) StuPo 2020	
Elective Joker		Elective Joker	
Prerequisites	B2 German proficiency		
Format, Dates, Times and Rooms	Summer School 19.+ 20.9., Liefmannhaus,Goethestraße 33-35 21.+22.9., 9-16:30h, Location TBA 23.9., 9-16:30h, AU Co-Creation Room		
Course Description	Bei dem Kurs handelt es sich um einen Deutschkurs mit Praxisbezug zu nachhaltiger Entwicklung. Lernen Sie Deutsch und üben Sie selbst, was es braucht, um ein nachhaltiger Change Agent zu werden! Werden Sie aktiv und stärken Sie sich, um persönliche und globale Herausforderungen zu meistern. In diesem Kurs, lernen Studierende 1. die grundlegenden Konzepte von Bildung für nachhaltige Entwicklung kennen, 2. die Grundbegriffe der Nachhaltigkeit auf Deutsch zu diskutieren und zu kommunizieren 3. sich kritisch zu nachhaltiger Entwicklung und/oder globalen Herausforderungen zu äußern 4. Ideen umzusetzen		
Remarks	Course registration in HISinOne from 15.8.-16.9.2022. Für die Teilnahme am einwöchigen Kurs erhalten Sie 2 ECTS. Bei einer Teilnahme am Kurs plus einer zusätzlichen anschließenden Projektaufgabe, erhalten Sie insgesamt 4 ECTS. Der Kurs ist unbenotet. EPICUR students who already have pre-registered for the course have priority.		

Global Challenges			
Governance, EES/ESS, Electives		Pre-block	
Ermelinda Kanushi (ermelinda.kanushi@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GO0061
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Governance I or II		Advanced Governance I or II Humans and the Environment I or II	

Prerequisites	Introduction to Governance OR Introduction to EES/ESS
Format, Dates, Times and Rooms	Seminar 26.9.-7.10., 8-18h (exact times tba), Ph HS2
Course Description	Humans share not only the same planet but also the same problems. Global problems transcend national borders and challenge international regimes. So what are some major issues the world is facing nowadays? Are these issues interconnected with each other? What are some possible solutions to these challenges? Global Challenges is a pre-block course that will introduce students to some of the major challenges humans currently face. Initially, you will be acquainted with a global panorama of selected issues that are impacting life on earth. The course will be offered in a hybrid format. Most sessions of the course with be in-presence with however online scenarios are not be excluded. During the first session, you will be given an overview of the latest data on issues arising from challenges such as: poverty, income inequality, water, artificial intelligence, overpopulation, migration, health, educations etc. Also, the course will introduce you to one of the roadmaps to locally and globally tackle the global challenges, by means of the Sustainable Development Goals as envisaged from the 2030 Agenda. The global challenges are gigantic, so make sure to understand that the course will only scratch the surface of most of the issues. However, it should serve you in order to work on practical solutions for these challenges, and also to find issues you may be passionate about. The course is designed to encourage a problem-solving mindset so you are expected not only to identify and define global problems but rather provide innovative solutions. Students will be presented with selected challenges, or will research possible challenge themselves and will try to design some solutions. Global challenges are complex and interdisciplinary in nature therefore you are encouraged to think out of the box and provide creative yet feasible solutions.
Remarks	Course registration in HISinOne from 15.8.-21.9.2022.
Examination and Resit	The examination is in the form of written assignments, totaling about 4,500 words (policy paper, solutions paper, interlinkage paper). ESS students taking the course for an ESS module need to choose a Major-relevant topic for their course project/presentation. Dates will be annoumced in the updated Course Catalogue

Heal the World: Pop Music as a Means of Sustainability Communication			
Culture & History, EES/ESS, Electives		Pre-Block	
Dr. Thorsten Philipp (thorsten.philipp@tu-berlin.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CHEE0001
Module(s) StuPo 2015		Module(s) StuPo 2020	
Art, Literature, Aesthetics, or Music Advanced Culture & History I, II or III Humans and the Environment		Culture: Arts Culture & History I, II or III Humans and the Environment I or II	

Prerequisites	Introduction to Culture & History or Introduction to ESS
Format, Dates, Times and Rooms	Seminar 26.-30.09, 9-13h, HS 1234 27.09., 17-19.30h, HS 1224 28.09., 17.30-21h, HS 1234 04.10., 9-13h, HS 1224
Course Description	As an indicator of social change and an instrument of mobilization, pop and rock music have played a central role since the 1960s in the processing of perceptions of risk, danger and decline and in the renegotiation of power constellations. To what extend are the ecological movements and the sustainability discourse part of these dynamics? Which interconnections arise between pop music and environmental discourses, which have become a prominent theory pool of popular culture at since disturbing alarm calls such as "Limits to Growth" (1972) and "Global 2000" (1980)? The seminar examines popular music as a pre-political everyday code and as a resonance room within the dispute on sustainability, nature and environmental protection, sufficiency and post growth theories. By constantly redefining the idea of nature, popular songs not only provide a way of self-assurance and self-discovery to ecologically inspired protest groups; they are just as much a monument of the “era of ecology” (Joachim Radkau) as they deliver a sonic and narrative mirror of human-environmental relations. As an expression and agent of power, they are an ambivalent factor in ecological crisis dynamics. At the interface of political, cultural and media science perspectives, the seminar will be dedicated to selected examples of popular music in their environmental and climate policy dimensions.
Remarks	Course registration in HISinOne from 15.8.-21.9.2022.
Examination	18.11.2022
Resit Date	04.12.2022
Recommended Reading	Collin, Matthew. 2015. Pop Grenade. From Public Enemy to Pussy Riot: dispatches from musical frontlines. Arlesford: Zero Books. Newig, Jens et al. 2013. Communication Regarding Sustainability : Conceptual Perspectives and Exploration of Societal Subsystems. Sustainability 5: 2976-2990. Philipp, Thorsten. 2019. Popmusikforschung. In: Evi Zemanek und Ursula Kluwick (ed.), Nachhaltigkeit interdisziplinär. Konzepte, Diskurse, Praktiken. Stuttgart: UTB, 330-346. Philipp, Thorsten. 2021. Der Sound der Katastrophe: Popmusik als Resonanzraum ökologischer Krisen. Forschungsjournal Soziale Bewegungen 34 (2).

Pre-Course Maths & Physics			
Life Sciences, EES/ESS		Pre-Block	
Dr. Benoit Louvel (benoit.louvel@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	none (course optional)	20	00LE62S-LAS-LSEE0006
Module(s) StuPo 2015		Module(s) StuPo 2020	
none		none	
Prerequisites	Introduction to Earth and Environmental Sciences and/or Introduction to Life Sciences		
Format, Dates, Times and Rooms	Seminar 11.-13.10.20222 Tue, 10-12h, AU 01065 Wed, 10-12h, AU 01065 Thu, 10-12h, AU 01065		
Course Description	Optional preparatory course for the semester-long course Maths and Physics (p. 56).		
Remarks	Course registration in HISinOne from 15.8.-21.9.2022. We collected a number of tasks which you should be able to solve before starting the semester-long course Maths and Physics. You can use them for self-study before, during and after this pre-course. They will be available on kosmic, a part of ILIAS. You can log in and join the class with your ILIAS account.		
Examination Dates	No exam.		

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2 Courses Offered in Block I

2.1 Study Area: Core

Foundational Year: Research and Presentation			
Core		Block I	
Dr. Simon Büchner (buechner@ucf.uni-freiburg.de), Dr. Mila Mikalay (mikalay@ucf.uni-freiburg.de) Dr. Sabine Sane (sabine.sane@ucf.uni-freiburg.de), Dr. Ryan Plumley (ryan.plumley@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 1	6	80	00LE62S-LAS-CO0008
Module(s) StuPo 2015		Module(s) StuPo 2020	
---		Research and Presentation	

Prerequisites	none
Format, Dates, Times and Rooms	Lecture Mon, 14-16h, AU HS 2 Seminars R+P 1: Tue and Thu, 8-10h, AU 01065 R+P 2: Tue and Thu, 10-12h, AU 01065 R+P 3: Tue and Thu, 10-12h, AU 01036a R+P 4: Tue, 16-18h, KG 1228 and Thu, 16-18h, KG 1036 Final Conference Thu, Dec 8, 14-18h and Fri, Dec 9, 9-13h
Course Description	“The world has problems while universities have disciplines.” Gordon Wilson (The Open University, Milton Keynes, UK) Complex problems require profound thinking from different points of view, sometimes a combination of methods, and always educated sagacity. This course will introduce students to different approaches of dealing with complex problems, not only different scholarly disciplines, but also with respect to the methods used in and across these disciplines. It will face students with questions on different forms of knowledge and will discuss in particular what scholarly knowledge is and how it differs from other forms of knowledge. At the same time students will acquire skills of scholarly work such as finding relevant literature from different sources, reading and understanding scholarly texts, and managing references. In addition, they will practice the presentation of a topic in a limited amount of time to a specific audience. It will also provide the starting point for the training in academic writing, which will be complemented by the course “English Academic Writing”.
Remarks	This course is part of the Foundational Year. First year students register for this course during the Welcome Week. Registration is required for one of the seminars only.
Examination Dates	Annotated bibliography (due date as announced in the seminar) and final presentation on Dec 8 or 9, 2022 (latest examination date)

2.2 Study Area: Earth and Environmental Sciences / Environmental and Sustainability Sciences

Urban Biodiversity and Green Infrastructures			
EES/ESS, Electives		Block I	
Marufa Sultana (marufa.sultana@wildlife.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-EE0031
Module(s) StuPo 2015		Module(s) StuPo 2020	
Humans and the Environment Specialization Option: EES I or II		Humans and the Environment I or II ESS: Specialization Option I or II	
Prerequisites	Introduction to EES/ESS		
Format, Dates, Times and Rooms	Seminar Mon, 14-16h, Ph HS 2 Tue, 14-18h, KG 1140 Thu, 14-16h, KG 1139		
Course Description	Urbanisation is a long-standing phenomenon and is considered an integral part of economic development and human well-being. It is, however, also a direct driver of alteration and degradation of natural areas and loss of biodiversity. Here, green infrastructure (GI) features, e.g., small parks, green roofs, green walls, street trees, etc., can help to improve habitat heterogeneity and connectivity in an urban landscape and benefit biodiversity in cities. In this interdisciplinary course, students will get a fundamental understanding of relevant topics: ▪ Concepts of patterns and drivers of urban biodiversity ▪ Methods of biodiversity documentation and monitoring in urban areas ▪ Urban biodiversity conservation issues in cities ▪ Concepts of green infrastructure (GI) ▪ An overview of GI planning and practices globally ▪ Different types of GI features ▪ GI features' contribution to urban biodiversity conservation The course will be a mix of short lectures, group discussions, fieldworks, and a review of literature on selected topics.		
Remarks	Students majoring in Earth and Environmental Sciences/Environmental and Sustainability Sciences have priority		
Examination Dates	06.12.2023 Examination based on two assignments. 1) One field work assignment in October, and 2) one literature review assignment in in November		

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2.3 Study Area: Governance

Urban Governance in the Global South			
Governance, Electives		Block I	
Dr. Aysegul Can (aysegul.can87@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-GO0064
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option Governance I or II		Specialization Option Governance	

Prerequisites	Introduction to Governance
Format, Dates, Times and Rooms	Online Seminar Tue, 8-12h Thu, 8-12h
Course Description	For the first time in history, almost half of the global population is urban. This number is growing more rapidly in the Global South. The rapid urbanisation presents us with a challenge to analyse and explore what it means. This course proposes a sociological and political study of urban spaces and their conflicts, with an emphasis on governance as a concept that permeates themes such as democracy, authoritarianism, collective action, social movements and participation. It covers: ▪ Urban space and democracy - What are the relationships between the shaping of the cities and governance structures? ▪ Collective action and the urban issue - How do people act in groups in cities, how do they interact and dispute urban territories? ▪ Cities in the Global South - Are there specificities in the urban dynamics of the Global South? ▪ Public policy and urban governance - What are the relations between politics (political process, conflict and negotiation) in cities and the urban policies? ▪ Urban social movements and participation - What forms of collective action/organization dispute urban territories and how do they interact with the State? ▪ Authoritarianism vs. democracy - What are the processes of democratization in the face of urban disputes in the Global South? ▪ Socio-spatial inequality and injustice – How both manifest themselves in urban development processes? The course is online and will consist of lectures, group activities and previous readings at home. During the course students will select a case study between Latin America, South Africa and Turkey and prepare a group presentation.
Remarks	This is an online course by an international team of lecturers. The effective contact time online is lower.
Examination + Resit Dates	Will be announced in the updated Course Catalogue.
Recommended Reading	Simone, A. 2020. “Cities of the global south.” *Annual Review of Sociology*, (46), 603 – 622.

2.4 Study Area: Life Sciences

Introduction to Tissue Engineering and Cellular Therapies in Regenerative Medicine			
Life Sciences, Electives		Block I	
PD Dr. Melanie L. Hart and colleagues (melaniehar@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	8	00LE62S-LAS-LS0020
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option: Life Sciences I or II Elective module (Joker)		Specialization Option: Life Sciences I or II Elective module (Joker)	
Prerequisites	Laboratory Work for the Life Sciences, Cell Biology, Biochemistry		
Format, Dates, Times and Rooms	Seminar Tue, 8:30-12h, G.E.R.N . (Gewebeersatz, Regeneration & Neogenese) Center–Engesserstrasse 4 (2nd floor) Thu, 10-12:30h, G.E.R.N Seminar room, Engesserstrasse 4 (5th floor)		
Course Description	This course will consist of a series of lectures, student-led seminars, journal clubs (student-led presentation of current research articles) and hand-on laboratory work. Lectures will introduce you to the topics relevant to the field of tissue engineering and cellular therapies in regenerative medicine such as Good Manufacturing Practice (GMP) production of cells for cellular therapies, choosing the right cell type for a specific cell therapy, the importance of the extracellular matrix in regeneration of tissue, the role of biomechanical and biophysical stimuli in tissue engineering and creating three-dimensional (3D) environments for cells and vital implants. Students will team up to present a research article ("Journal Club"), as well as a seminar topic relevant to the this field of in order to gain knowledge in how to read, present and evaluate scientific research papers and to become more acquainted with standard and new techniques that can be used in tissue engineering and regenerative medicine. Hands-on work in the laboratory will include sterile cell culture techniques, how to isolate and culture mesenchymal stem cells from tissue, creating and assessing 3D cellular environments and analyzing their biomechanical properties.		
Remarks	First meeting will be taught in the seminar room on the entrance level next to the elevators of Engesserstrasse 4. Please always be on time as the doors automatically lock. If necessary, call to be let in but this will disrupt the course (Tel. 40975). The location of the remaining courses will be provided to you on the first day of the course.		
Examination Dates	Two presentations, maintaining a laboratory notebook about the contents of the hands-on laboratory work, as well as a short multiple choice exam in the final week. Resit date tba.		
Recommended Reading	Guraya, S. Y., Sampogna, G., & Forgione, A. (2015). *Regenerative Medicine: Historical Roots and Potential Strategies in Modern Medicine*.		

Laboratory Methods in Cell and Molecular Biology			
Life Sciences		Block I	
Dr. Juncal Fernandez Orth (juncal.fernandez.orth@uniklinik-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	8	00LE62S-LAS-LS0039
Module(s) StuPo 2015		Module(s) StuPo 2020	
Methods (LS) Specialization Option Life Sciences I or II		Methods I or II, LS Specialization I or II	
Prerequisites	Introduction to Life Sciences, Cell Biology		
Format, Dates, Times and Rooms	Seminar Thu, 14-16h, Ph HS 3 Fri, 13:30-16:30, ZTZ-Zentrum für Translationale Zellforschung, Laboratory 2 OG. 017, Breisacher Str 115		
Course Description	In this course, students will have the opportunity to learn and perform essential cell and molecular biological laboratory techniques in a world-renowned research institute within the Medical Center – University of Freiburg. In small groups of two or three, students will be able to learn and subsequently execute essential current techniques extensively used in research and diagnostics, including bacterial cloning, genomic and plasmid DNA isolation, PCR, restriction digest, gel electrophoresis, protein isolation, as well as mammalian cell culture. All practical lessons will be preceded by a theoretical lecture, in which underlying fundamentals will be explained and suitable protocols will be provided. After having performed the experiments, the students will learn how to properly analyze the acquired data which will allow them to critically examine their results and discuss troubleshooting aspects of the experiments. At the end of the course, the students will learn not only how to design and perform their own experiments, but also how to critically evaluate the results obtained.		
Examination Dates	Lab-book (70%) at the end of the course and formal written exam (30%) on 9.12.2022. Resit date tba.		
Recommended Reading	Wilson and Walker: *Principles and Techniques of Biochemistry and Molecular Biology*, 8th edition. (6th edition available in the university library: TM 2020/1186)		

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3 Courses Offered in Block II

3.1 Study Area: Core

Foundational Year: Principles of Responsible Leadership			
Core		Block II	
Dr. Simone Krais (simone.krais@sli.uni-freiburg.de), Elisabeth Ahner-Tudball (ahner-tudball@web.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 1-2	6	80	00LE62VS-LAS-CO0026
Module(s) StuPo 2015		Module(s) StuPo 2020	
---		Responsibility and Leadership 1	

Prerequisites	none
Format, Dates, Times and Rooms	Lecture Mon, 14-16h, AU HS 2 Workgroups WG1: Wed, 8-10h, KG 1032 WG2: Wed, 8-10h, KG 1234 WG3: Wed, 10-12h, HH 9 HS 00 018 WG4: Wed, 10-12h, BT 204 Projects + Coachings Fri, 8-10h and Fri, 10-12h
Course Description	We experience an increasing dynamic and complexity of daily life, a variety of lifestyles and beliefs about what is right or wrong which make the task of leading responsibly more difficult, complex, and uncertain. In addition to this, grand challenges like global warming, rising inequality and global migration put pressure on every one of us to contribute to a sustainable future for people and the planet. This foundational course introduces essential principles of responsible leadership, understood broadly as a multifaceted approach to constructive action in professional life and beyond. Our comprehensive treatment of the term is reflected in different parts, each presenting responsibility and leadership from a different angle. At the same time, this course will introduce a foundation and practical guideline for working dynamically and efficently in groups. Based on this input, students will develop their own project which will be presented at the end of this first semester.
Remarks	This course is part of the Foundational Year. First year students register for this course during the Welcome Week. No registration required.
Examination Dates	Regular attendance and active work in the project groups. Students will organize the presentation of the projects at the End-of-semester Get-together on 17.02.2023. SL only.

3.2 Study Area: Governance

Governance: Oral examination			
Governance only		Block II	
Dr. Mila Mikalay (mikalay@ucf.uni-freiburg.de), Dr. Stoyan Panov, Dr. Elina Sannehag			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 4	4 (PL only)	10	tba
Module(s) StuPo 2015		Module(s) StuPo 2020	
---		Senior Profile Governance	
Prerequisites	STUPO prerequisites for Senior modules apply		
Format, Dates, Times and Rooms	Oral examination (a 1h slot per student) Thu, Feb 9, 8-16h Fri, Feb 10, 8-16h		
Course Description	This examination is offered as part of the Senior Profile to Governance students. It offers 4 ECTS for an oral examination on Governance-related topics, which students learn about in foundational Governance modules, such as the Introduction, Political Theory, Comparative Politics, Comparative Politics and International Relations. The examination is based on a list of topics, which are announced at the beginning of each semester, and consists of a 30 minutes preparation time followed by a 30 minutes oral examination, in presence or online. Topics cover central concepts, questions and debates across Governance disciplines. General examples of topics: ▪ balance of power as a mechanism of avoiding oppression domestically and internationally, ▪ legitimacy of authotrity and processes of legitimation (diferent types of rules, civil society and activism, civil disobedience and uprisings), ▪ influence of institutional setups on political processes (strong judicial brach as an agenda-setter, majoritarian election systems as a factor of social divisions). Preparing to the examination thus allows students to review and integrate their learning within the Major and nhance ability to apply skills and knowledge to complex problems and current cases. The detailed procedure of the examination, list of topics, preparation suggestions and grading rubrics will be announced on the Governance Wiki at the beginning of the semester. Students are assessed on how well they are able to demonstrate the following abilities (Senior Profile learning goals): ▪ identify, describe, illustrate, compare and assess the ways to integrate knowledge about social, political and economic reality across disciplines and contexts; ▪ choose, adapt and assess the use of disciplinary and interdisciplinary vocabulary, and ways of presenting and communicating knowledge about social, political and economic reality.		
Remarks	This is a PL only offering. There are no meetings associated with it, apart from the examination itself.		
Examination Dates	Feb 9 and Feb 10, 2023 Resit date tba.		

3.3 Study Area: Multiple

Climate Change and Biodiversity			
EES/ESS, Governance, Electives		Block II	
Dr. Benoit Sittler (benoit.sittler@nature.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GOEE0004
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option: EES I or II Humans and the Environment Specialization Option: Governance I or II		Humans and the Environment I or II ESS: Specialization Option I or II Specialization Option Governance	
Prerequisites	Introduction to EES/ESS or Introduction to Governance		
Format, Dates, Times and Rooms	Seminar Tue, 8-12h, AU 01036a Thu, 8-12h, AU 01036a		
Course Description	Climate change and biodiversity are among the major environmental issues modern societies face. They call for governance solutions both on global and local levels. In this course, you will first discover methodological approaches (such as proxies) to the monitoring and assessment of past and present changes in biodiversity. We will consider in detail examples illustrating these approaches looking into, namely, an ongoing long-term project in Greenland, which will provide you with unique insights into effects of climate change on biodiversity. You will understand the basic principles and dynamics behind the climate variability and the link to biodiversity. In the second part of the course we will focus on governance. We will discuss how issues like climate change and loss of biodiversity find their way onto political agendas. We will explore standard-setting mechanisms, especially in respect to the measurement of climate change and its effect on the biodiversity. Furthermore, we will analyze regulatory policies introduced and implemented on the international, national, and local levels.		
Examination Dates	15.03.2023		
Resit Date	15.04.2023		

Wicked Problems in Socio-Economic Systems			
EES/ESS, Governance, Electives		Block II	
Stefanie Klose (stefanie.klose@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-EE0033-E011
Module(s) StuPo 2015		Module(s) StuPo 2020	
Global Cycles of Matter and Materials Advanced Governance I or II		Sustainability Sciences Advanced Governance I or II	
Prerequisites	Introduction to EES/ESS or Introduction to Governance		
Format, Dates, Times and Rooms	Seminar Mon, 14-16h, Ph HS 3 Tue, 14-18h, Iniversitätsst. 5 HS Thu, 14-16h, KG 1019		
Course Description	Problems that cannot be solved with existing modes of inquiry and decision-making are often called "wicked problems". They usually represent complex issues for which no final solution exists, since any resolution generates further issues. In the first part of this course, we will explore why many sustainability issues are wicked problems and look into some examples of resource use and the associated challenges. You will get to know methods used for system thinking and how these methods can help us to understand the underlying issues. In the final phase of this course you will apply these methods on sustainability problems of your choice and try to find solutions while exploring the strength and shortages of these solutions. Learning goals ▪ Students understand stock and flow dynamics and apply them in socio-economic systems ▪ Students analyze different sustainability problems and the underlying conflicting dilemmas ▪ Students explore different aspects of sustainable consumption and production ▪ Students understand the basic principles of causal loop diagrams and can apply the concept to real-world sustainability problems		
Remarks	Students majoring in EES/ESS have priority.		

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4 Semester long Courses

4.1 Study Area: Core

Foundational Year: English Academic Writing			
Core		Semester	
Dr. Sebastian Gehart (sebastian.gehart@ucf.uni-freiburg.de), Thorsten Leiendecker (thorsten.leiendecker@ucf.uni-freiburg.de), Dr. Steven Randall (steven.randall@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 1-2	6	80	00LE62S-LAS-CO0013
Module(s) StuPo 2015		Module(s) StuPo 2020	
---		English Academic Writing	

Prerequisites	none
Format, Dates, Times and Rooms	Lecture Mon, 10-12h, AU HS 2 Seminars Group 1 (SR): Tue and Thu, 12-14h, AU 01065 Group 2 (SG): Tue, 14h, AU 01065 and Thu, 16h, Ph HS 2 Group 3 (TL): Tue and Thu, 14-16h, AU 01036a Group 4 (SG): Tue, 16-18h, Ph HS 1 and Thu, 12-14h, Wilhelmstr. 26, R016
Course Description	English for Academic Writing (EAW) is designed to introduce students to the essentials of English academic writing culture. The objective of this course is to support students in a regular practice of critically reading and writing academic texts across genres. One overarching goal of the module is to explore how writing is not a passive medium of communication, but a social activity that involves many actors and has multiple effects in the world. In Block I of this course, we will identify academic discourse and the features of academic writing. Students will learn how to write structured paragraphs and how to present their research — in the form of summary, paraphrase, and quotation — with academic integrity. In Block II, we will explore critical reading and writing with a focus on the genres review and essay. Students will extend their recognition of argumentation by examining the specific anatomy of the persuasive essay. Building on the skills and contents developed in Research and Presentation, each student will craft an essay aimed at compellingly convincing the reader of the merits of its claims. Upon successful completion of this course, students should be able to: ▪ Write persuasively and critically ▪ Identify, analyse, and evaluate academic texts ▪ Use outside sources with academic integrity ▪ Successfully proofread and edit their seminar papers
Remarks	This course is part of the Foundational Year. First year students register for this course during the Welcome Week.
Examination Dates	Student will compose several pieces of writing; the final assignment will be due on 15.03.2023. Resit date tba.

Foundational Year: Students and Other Knowers in Context			
Core		Semester	
Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 1-2	6	80	00LE62V/S-LAS-CO0020
Module(s) StuPo 2015		Module(s) StuPo 2020	
---		Knowledge in Context	

Prerequisites	none
Format, Dates, Times and Rooms	Lecture Mon, 12-14h, AU HS 2 Workgroups WG1: Wed, 12-14h, AU 01065 WG2: Wed, 12-14h, AU 01036a WG3: Wed, 14-16h, AU 01065 WG4: Wed, 14-16h, AU 01036a
Course Description	The central part of the course introduces students to a broad consideration of knowledge in its historical, social, political and practical contexts. This will be the most academic part of the course, with academic readings and much sociological theory. Drawing on work in the history, anthropology, and sociology of knowledge, the course addresses knowledge production, appropriation and circulation beyond academia, in and across (non-academic) professional fields, educational systems, regions, cultures, individuals, and in knowledge regimes. The course aims at fostering reflection about questions such as, How do individuals or groups approach, appreciate, and determine what knowledge is for them? What counts as knowledge, why, and on what grounds; where, for whom, and in what context? What has counted as knowledge in previous centuries, in other places and situations? What is (or what was) the relationship between scientific knowledge and knowledge that is (or was) not deemed scientific, as, for example, common sense knowledge, or the knowledge of non-academic professional fields, or knowledge produced and used by political entities? Furthermore, we will discuss different forms of knowledge, such as explicit and tacit knowledge; how knowledge relates to identity building or to professional ethos; and how knowledge relates to power. The course also fosters reflection about epistemic beliefs, or “personal epistemology:” That is, how humans (including ourselves) use, evaluate, cherish and question knowledge in their daily lives, how they relate emotionally to specific forms of knowledge, and how they deal with uncertainties. One specific focus will be “the knower” as an imagined reali-ty and subjectivity. How do humans understand themselves as subjects of knowing? What kind of knower do they believe to be, or aspire to become? How do they ascribe or deny others the status of a knower? How do they evaluate other individuals as knowers?
Remarks	This course is part of the Foundational Year. First year students register for this course during the Welcome Week. Registration is required for one of the workgroups only.
Examination Dates	Students will work on several assignment sheets and submit an E-Portfolio as a final assignment. The E-Portfolio will be due on 01.03.2023, with a second deadline on 15.03.2023.
Resit Date	30.05.2023

Leadership Ethics			
Core		Semester	
Dr. Dan Corjescu (corjescu@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CO0079
Module(s) StuPo 2015		Module(s) StuPo 2020	
Responsibility and Leadership 2		Responsibility and Leadership 2	
Prerequisites			
Format, Dates, Times and Rooms	Online Seminar Tue, 12-14h (Thu, 12-14h, individual feedback sessions)		
Course Description	What makes a great leader great? Is it vision, charisma, fortitude, kindness, sacrifice or all of these traits in combination? What can we do to enhance our leadership skills and develop a leadership mentality that will help us both grow as people as well as be able to better serve others? Ultimately, do we need leaders? These questions and more will be explored through close readings and open discussions of some of the great Philosophers and Leaders of the past: ranging from Plato and Pericles to Dr. Martin Luther King Jr. and Mahatma Gandhi we will seek revelatory answers to this quintessential human behavior and at the same time help to illuminate what we find worthy and worthwhile in both ourselves and others.		
Examination Dates	Resit date tba.		
Recommended Reading	Terry L. Price (2008): *Leadership Ethics. An Introduction* Louis P. Pojman (2018): *Selected Philosophical Works from The Moral Life* Stephen M. Cahn (2020): *Exploring Ethics*		

Knowledge and Its Problems			
Core		Semester	
Prof. Dr. Frieder Vogelmann (frieder.vogelmann@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-3	6	80	00LE62V/S-LAS-CO0011
Module(s) StuPo 2015		Module(s) StuPo 2020	
Theory of Knowledge		Theory of Knowledge	

Prerequisites	none
Format, Dates, Times and Rooms	Lecture Wed, 12-14h, AU HS 1 WGs Fri, 8-10h, AU 01036a — Fri, 8-10h, AU 01065 Fri, 10-12h, AU 01036a — Fri, 10-12h, AU 01065
Course Description	This course offers an overview of contemporary epistemology and introduces the basics of philosophical logic (propositional and predicate logic). At the same time, it introduces non-philosophy students to philosophy in the sense of working on conceptual problems, questions and arguments. Students of all disciplines will profit from the introduction to conceptual thinking and logic in the first three sessions. The primer on propositional and first-order logic is based on standard textbooks for logic in philosophy. The overview of epistemology is structured according to Michel Williams (2001: 1–12) five systematic problems of epistemology: 1) *The Analytical Problem*. What is knowledge and how can we define it? The course introduces the so-called “standard analysis of knowledge” as justified true belief (JTB) and the famous counterexamples by E. Gettier. We then dis¬cuss the most important contemporary theories of knowledge (internalism, externalism, virtue epistemology, knowledge-first epistemology etc.) with a focus on their core ideas and arguments. 2) *The Problem of Scepticism*. Can we know anything at all? How can we know that we do (not)? The course outlines the most common sceptical positions and arguments (Agrippa’s trilemma, Cartesian scepticism) as well as the attempts to refute them. 3) *The Problem of Boundaries*. What different kinds (know-how, know-that) and sources (perception, testimony, memory) of knowledge are there? How do we explain and distinguish them? The course focuses on testimony as a source of knowledge and the resulting recognition of the social aspects of epistemology. 4) *The Problem of Value*. Why do we aspire to gain knowledge? Why does true belief not suffice? The course discusses the intertwinement of values and knowledge by considering contributions from feminist epistemology. 5) *The Problem of Method*. How do we gain knowledge? What role do rationality and reason play in epistemology? How should we do epistemology? The course concentrates on the last question and considers different traditions in epistemology.
Examination Dates	Examination: Written exam on 08.02.2023 (100%).Pass/Fail Examination: To be eligible for the exam, students must give an oral presentation to one of the texts discussed in the workgroups.
Resit Date	08.03.2023
Recommended Reading	Nagel, Jennifer (2014): *Knowledge. A Very Short Introduction*. Oxford: Oxford University Press. Williams, Michael (2001): *Problems of Knowledge. A Critical Introduction to Epistemology*. Oxford: Oxford University Press.

Sozial- und geisteswissenschaftliche Neuerscheinungen besprechen: Eine Schreibwerkstatt			
Core, Electives		Semester	
Prof. Dr. Frieder Vogelmann (frieder.vogelmann@ucf.uni-freiburg.de) and Prof. Dr. Ulrich Bröckling			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s)	2	20	00LE62S-LAS-CO0073
Module(s) StuPo 2015		Module(s) StuPo 2020	
Elective Joker		Advanced Academic Skills	
Prerequisites	none		
Format, Dates, Times and Rooms	Seminar Tue, 14-16h, KG IV, Übungsraum 1 (Soziologie, 5th floor)		
Course Description	Das geplante Seminar verfolgt drei miteinander verbundene Ziele: Es soll… ▪ Studierenden Erfahrungen mit dem Verfassen von Buchbesprechungen als Schlüsselkompetenz in den Geistes- und Sozialwissenschaften ermöglichen, dabei ▪ grundlegende Techniken des guten wissenschaftlichen Schreibens trainieren und ▪ Informationen über das wissenschaftliche Publizieren und dessen Veränderungen im Zuge der Digitalisierung vermitteln. Dabei wechseln praktische Übungen, theoretische Diskussionen und Workshops mit eingeladenen Gästen aus Verlagen und Zeitschriftenredaktionen einander ab. Vorgesehen sind neben wöchentlichen Seminarsitzungen zwei Blocktermine.		
Remarks	Reviews can be written in English, too, and the discussion in the seminar can be in English and German. However, the readings in the seminar will often be in German.		
Examination Dates	Studienleistung: zwei Rezensionen.		

4.2 Study Area: Culture and History

Ideals of (Liberal) Education			
Culture & History, Electives		Semester	
Dr. Brendan Boyle (bpboyle@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CH0065
Module(s) StuPo 2015		Module(s) StuPo 2020	
Culture & History Up to the Early Modern Period Advanced Culture & History I, II or III		History: Ancient, Medieval, or Early Modern Culture & History I, II or III	
Prerequisites	Introduction to Culture & History		
Format, Dates, Times and Rooms	Seminar Mon, 8-10h, AU 01036a Wed, 8-10h, AU 01036a		
Course Description	What is the purpose of higher education? What is the purpose of “liberal arts and sciences” in higher education? Is it, as the name "liberal" suggests, connected to freedom? Freedom from or for what and for whom? Or does focusing over much on freedom obscure other ends like contributing (critically and constructively) to political and economic life? What kind of books and curricula would best do whatever it had been determined higher education ought to do? Because every society worries whether its education is well suited to its values, these are very old questions that have been posed by many people in many situations. In this course, we will investigate some ancient, medieval, and early modern answers, practicing close reading of texts that are very historically distant from ourselves. With that preparation, we will then turn our attention to some more modern answers. Along the way, we will practice adopting and adapting older ideas to our contemporary circumstances. For instance, how can ancient ideals of education be repurposed for a culturally and socially diverse student body in a modern university? The course will provide students the opportunity to reflect critically on their own education and will culminate in a final project to sketch a curriculum for an undergraduate education.		
Examination Dates	13.02.2023		
Resit Date	17.03.2023		
Recommended Reading	Readings will include (among others) Plato, Aristotle, Augustine, Erasmus, Fichte, Nietzsche, Newman, and Dewey.		

Politics and the Sciences: An Introduction			
Culture & History, Electives		Semester	
Dr. Justo Serrano Zamora (justserrano@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CH0066
Module(s) StuPo 2015		Module(s) StuPo 2020	
Philosophy Advanced Culture & History I, II and III		Philosophy Culture & History I, II and III	
Prerequisites	Introduction to Culture & History		
Format, Dates, Times and Rooms	Seminar Tue, 14-16h, Ph HS 4 Thu, 14-16h, KG 1228		
Course Description	Is politics science-like? Are scientific achievements mere political interventions? Are politics and science fully independent from each other, instead? In this seminar we will discuss these and other questions by exploring how thinkers from different disciplines (philosophy, sociology, history, anthropology) have conceived of the relation between politics and the sciences. We will also analyze study-cases where the relation between the two is crucial. The seminar is divided in two parts: In the first part we will discuss classical texts on topics concerning the relation between politics and the sciences: the Weberian division of means and ends, feminist and postcolonial approaches to scientific knowledge, the constructivism-realism debate and its political implications, the role of uncertainty and experiments in both politics and science, the importance of "situated" knowledge for democratic politics, the role of numbers (statistics, quantitative analysis), the influence of evolutionary theories in politics, the modern sciences in our political imagination, and the analogy between political and scientific communities. In the second part, students in small groups will choose one study-case (i.e., AIDS-activism's challenges to control-trials in contemporary medical research) at the beginning of the course and they will present their results at the end of the semester. In their research, students are expected to use the analytical and normative tools acquired in the seminar. Methodological guidance will be provided at the beginning of the course.		
Examination Dates	tbd		

The World as Sound			
Culture & History only		Semester	
Dr. Johanna Gampe (johanna.gampe@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CH0056
Module(s) StuPo 2015		Module(s) StuPo 2020	
Art, Literature, Aesthetics, or Music Advanced Culture & History I, II and III		Culture: Arts Culture & History I, II and III	

Prerequisites	Introduction to Culture & History
Format, Dates, Times and Rooms	Online Seminar Mon, 10-12h Wed, 10-12h
Course Description	Shifting the perspective from the visual focus to the sonic side of life allows us a different understanding of our world in its complexity, volatility, and ambiguity. Moreover, the features of mediated sound deepen our understanding of both human perception and digitality. "Think with your ears. Make listening your culture." These are the slogans of the relatively new Master's degree in Sound Studies at the UDK Berlin. Likewise, in this course we will look at the world through sound and listening. In the arts, the so-called Sonic Turn reflects a wider cultural awareness of contemporary reality. The spectrum reveals fascinating artistic genres in their own right, such as contemporary musical composition and sound installations, but also science topics such as sonification or sound pollution. On the practical side, we will learn to produce our own sonic creations by means of simple audio tools and equipment. No matter your previous knowledge, we gradually built up creative and technical competencies starting with soundscapes and the sonification of a chosen poem, editing music, noises and loop samples, producing a radio teasers and creating an audio drama as a group work. In addition to instructed peer feedback in the course, each participant receives a coaching session about their pratical and creative work. The latter won't be graded in order to provide feedom and flexibility. Instead a presentation in class is graded, together with a written reflexion at the end of the term. The seminar pursues a truly interdisciplinary approach to the world of sound through arts, science, and the humanities. The study of both theoretical approaches and practical examples will be at the center of this course, including presentations, discussions and peer-feedback. In summary, both academic and practical methods structure the course, aiming for advanced media competence, creative self-confidence and cultural horizons.
Remarks	This course is planned as an entirely online learning experience. However, if possible for some or all participants, there may be some presence elements as well (project group work and individual coaching). For the practical exercises a laptop is needed where free audio software is installed. The Unibib optionally provides further equipment, in addition to the recording functions of personal smartphone and other audio devices.
Examination Dates	27.02.2023
Resit Date	28.03.2023

Theory of History			
Culture & History only		Semester	
Dr. Ryan Plumley (ryan.plumley@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CH0002
Module(s) StuPo 2015		Module(s) StuPo 2020	
History as a Topic of Academic Inquiry		Theory of History	
Prerequisites	Introduction to Culture & History		
Format, Dates, Times and Rooms	Seminar Tue, 12-14h, Ph HS 2 Thu, 12-14h, Ph HS 2		
Course Description	All human groups engage with the past, with their history. The past is used to sustain identities, to legitimate institutions, and to justify action in the present and future. Through the informal mechanisms of individual and collective memory and through the formal memorialization of states, churches and other authorities, the past is selectively appropriated for social, political, and cultural needs. Some human groups have also dedicated effort to systematic study of the past and to recording it in historiography, written texts about the past. Amongst the ancient Greeks, Herodotus and Thucydides initiated a genre of writing called “historia”, by which they meant “inquiry” or “investigation,” an accounting of the past using verifiable information. Since then, ancient Roman historians, the chroniclers of monarchical dynasties around the world, and other expert groups have written texts that served as authoritative knowledge of the past in various contexts. In the modern world this specialized field of study is undertaken by a professionalized academic discipline: History. Beginning in the 19th century, especially in Germany, the scholarly or scientific (wissenschaftlich) study of the past coalesced around the attempt to provide reliable and verifiable knowledge about the past according to the standards of logic, proof, and secular ontology that guided other fields of inquiry. Since then, the academic discipline of History has spread around the world and professional historians enjoy considerable authority in deciding how the past will be understood and appropriated by others: through their books, through their guidance of school curricula, and through their social status as experts of the past. The primary goal of this course is to explore modern History understood as methodologically rigorous research and judiciously selective reconstruction of the past in writing. The course is designed to develop students’ specifically theoretical thinking about history and historiography, that is, in reference to problems and questions in historical research that cannot be resolved empirically or methodologically.		
Examination Dates	10.02.2023		
Resit Date	10.03.2023		

4.3 Study Area: Earth and Environmental Sciences / Environmental and Sustainability Sciences

Environmental Chemistry			
EES/ESS, Electives for other majors only		Semester	
Jan Oechsler (jan.oechsler@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	25	00LE62S-LAS-EE0010
Module(s) StuPo 2015		Module(s) StuPo 2020	
Chemistry		Environmental Chemistry	

Prerequisites	Introduction to EES/ESS
Format, Dates, Times and Rooms	Seminar Mon, 18-20h, AU 01036a Wed, 18-20h, KG 1228
Course Description	In this course students will be introduced to chemistry in general and get an outlook on some applications such as regeneratve engery sources and environmental chemistry. To understand these concepts basic knowledge of chemistry is needed. This course will be split into three parts. In the first part the basics of chemistry will be discussed. It will serve as an introduction to the concepts of atoms, molecules, acidity, redox reactions and basic electro chemistry. Basic ideas of thermodynamics, kinetics and quantum mechanics will be discussed. The second part of this course will focus on some applications of chemistry regarding environmental topics: solar cells / LEDs, fuel cells and batteries. The third part of this course will focus on the topic of environmental chemistry. The students will take a closer look on a few biogeochemical cycles and our impact on these. Upon successful completion of this module, you should be able to: ▪ Describe the basic electronic and structural features of molecules (nature of chemical bonds; three-dimensional structures; chirality). ▪ Set up and complete chemical equations (stoichiometry; acids and bases; oxidants and reductants; transfer of protons and electrons). ▪ Understand elementary thermodynamic (heat) and kinetic (velocity) aspects of chemical reactions. ▪ Understand the basic working principles of a solar cell, fuel cell and a battery. ▪ Apply the principles of reactivity and equilibrium to certain biogeochemical cycles. ▪ Present/discuss a selected topic and write a paper (short publication).
Remarks	Students majoring in Earth and Environmental Sciences/Environmental and Sustainability Sciences have priority
Examination	Exam and resit dates tba.

KG Kollegiengebäude
AU Alte Universität
HS Hörsaal
BT Breisacher Tor
Ph Peterhof
HH Hermann-Herder-Straße
FMF Stefan-Meier-Str. 21

Environment Risks and Us			
EES/ESS, Life Sciences, Electives		Semester	
Dipl.-Chem. Ismene Jäger (info@oekologischenetze.de), Prof. Dr. Dirk Bunke (D.Bunke@oeko.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-LSEE0002
Module(s) StuPo 2015		Module(s) StuPo 2020	
Human and the Environment Specialization Option: EES I or II Advanced Life Sciences I, II or III		Human and the Environment I or II Advanced Life Sciences I, II or III	
Prerequisites	Introduction to EES/ESS and Introduction to Life Sciences		
Format, Dates, Times and Rooms	Seminar Mon, 16-18h, AU 01065 Wed, 16-18h, Ph HS 1		
Course Description	In this course students explore the manifold impacts of human activities on the environment and resulting risks – for human health as well as for the environment. The course aims to create an understanding of present sources for environmental pollution, alternative options to act as well on regulatory and voluntary steps for abatement. Based on examples from everyday life products, several groups of pollutants and their sources will be introduced. Examples are given to show the environmental fate of chemicals and mechanisms how chemicals can interfere with organisms. . In addition, students develop basic skills in environmental risk assessment and management strategies. The course will include topics such as properties of eco-labels, assessment of chemicals e.g. chemicals in products from your everyday life, ecotoxicology, assessment of contaminants in surface/drinking waters and their effects on human health, environmental pollutants and their effect on animals, their regulation and their substitution. The course also includes 2 excursions and several practical examples		
Remarks	Excursion on one or two Fridays possible		
Examination	Exam and resit dates tba.		

Land Use and Food			
EES/ESS, Electives		Semester	
Juan Carlos Zamora (juan.zamora@ife.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-EE0034
Module(s) StuPo 2015		Module(s) StuPo 2020	
Human and the Environment Specialization Option: EES I or II		Human and the Environment I or II Specialization Option: ESS I or II	
Prerequisites	Introduction to EES/ESS		
Format, Dates, Times and Rooms	Seminar Mon, 16-18h, KG 1231 Wed, 16-18h, KG 1231		
Course Description	Land is first a biophysical reality; however, it is also humanity's home. What land is used for is a major piece of the sustainability puzzle. On the one hand, forests, trees and agroforestry play a key, often undervalued, role to support food security and nutrition, although around the globe its availability, access, utilization and stability differ greatly provoking inequalities, but also opportunities. On the other hand, agriculture (e.g., from small to large scale) is a part of the problem but also a pivotal part of the solution to mitigate climate change and solve (if possible) food security, if managed smartly. Land is a scarce resource – it is needed to produce food for a growing world population, while at the same time forests and peatlands need to be preserved so they can fulfill their role in the earth system. Moreover, there is a need to explore the land use-food nexus in much more detail, particularly in relation to the integrated management of multi-functional landscapes, and the multi-scalar and cross-sectoral governance approaches that are required for the equitable delivery of benefits. If those ideas made echo in your hungry mind (or in your curious stomach), we may have a lot to talk in the next semester. The aim of this course is to work through study cases and gain a better understanding of land use, land use change, and sustainable food production. We will critically asses the socio-ecological implications of food production, explore the possibilities of food transition to sustainable means, and assess the environmental stability of different food production systems. Additionally, we will discuss about possible trade-off and synergies from food production and nature conservation, and which are the cross-scale interactions between land uses and food.		
Remarks	Students majoring in Earth and Environmental Sciences/Environmental and Sustainability Sciences have priority		
Examination	Exam and resit dates tba.		

4.4 Study Area: Governance

Central and Eastern Europe			
Governance, Electives		Semester	
Malgorzata Hoffmann (malgorzata_hoffmann@hotmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GO0077
Module(s) StuPo 2015		Module(s) StuPo 2020	
Regional Governance Advanced Governance I or II		Regional and Area Studies Advanced Governance I or II	
Prerequisites	Introduction to Governance		
Format, Dates, Times and Rooms	Seminar Mon, 10-12h, Ph HS 2 Wed, 10-12h, Ph HS 2		
Course Description	There are regions in Europe that modernize but remain mainly unchanged over the years and there are parts that one cannot recognize any more after a decade and not to mention two or three decades. Eastern, East-Central and European Countries are those regions that experienced very dynamic changes in their infrastructure, architectural style, and also in their way of conducting business and politics. After the collapse of the Soviet Union, those countries were longing to become members of western democracies and aspired to join NATO and the EU. However, the psychological barrier between “East” and “West” exists until today and in the EU there is still a talk about “new member states” and “old member states”. In this course students will obtain essential knowledge of the region and its relationship with the Western Europe and Russia. The course will include 10 weeks segmented in interdisciplinary topics (sequence may vary): ▪ W1: Changing geography and modern history; ▪ W2: Concepts of identity and democracy; ▪ W3: Integration process with the EU and NATO; ▪ W4: Gender, citizenship, social minorities, LGBT, youth; ▪ W5: Culture, languages, religions; ▪ W6: Economic development: GDP, foreign investments, export & import; ▪ W7: Migration patterns and trends; ▪ W8: Post-communist politics and populism; ▪ W9: Relationship with Russia and Transatlantic relations; ▪ W10: Current issues and future perspective. Students will address the abovementioned issues using a Central and Eastern European lens. The instructor Malgorzata Hoffmann grew up in the region and then studied it from North American perspective at the Carleton University in Canada and graduated with The Master of Arts (MA) in European, Russian and Eurasian Studies and with the Graduate Diploma in European Integration studies. She worked 7 years for the British Embassy in Warsaw dealing with trade, politics and immigration in the CEEs.		
Examination Dates	Presentation and two short written assignments, date of exam and resit tba.		

European Union: Policies and Legal Framework			
Governance, Electives		Semester	
Dr. Stoyan Panov (stoyan.panov@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GO0084
Module(s) StuPo 2015		Module(s) StuPo 2020	
Regional Governance		Regional and Area Studies Advanced Governance I or II	

Prerequisites	Introduction to Governance
Format, Dates, Times and Rooms	Seminar Tue, 12-14h, KG 1234 Thu, 12-14h, KG 1231
Course Description	The course focuses on contemporary challenges that the European Union is facing and offers an overview of the competences of the EU and current developments. Some questions that we will address: ▪ How do the EU institutions such as the Commission, the Council, the European Council, and the European Parliament function and make policies? ▪ Is there an alleged democratic deficit of the EU institutions? ▪ Will there be an EU of “two speeds”? ▪ What is the chance of further enlargement of the EU in the Western Balkans, Ukraine, or Turkey in light of the recent rise of populist parties in the EU? ▪ Is the EU a harbinger in data privacy protection on international level? ▪ What is the role of the EU in responding to climate change? ▪ What can the EU do in terms of energy security and common foreign and security policy in light of the war in Ukraine? ▪ What are the latest developments in the Area of Freedom, Security and Justice with respect to migration policies? This is a sample of issues that we will address in the course. Students may be divided into small groups and may be required to deliver short analytical presentations or outlines on written material and media sources related to the topics covered in the course. Group activities and presentations are to be expected as the course will be highly interactive. Simulations of the proceedings in EU institutions may take place in the course. In the case of University regulations, parts of the course may take place online.
Remarks	The course is highly recommended to 2nd-year Governance students.
Examination Dates	Form of assessment: The final grade will be based on analytical or research paper(s)/ policy paper(s), and presentation(s). Final component of the examination is planned to be due on 24 February 2023.
Recommended Reading	For an overview of EU policies: "Europe in 12 Lessons". For the latest news from Brussels and current events and developments in the EU, you can check the free-access *Politico* as well as the daily newsletter Brussels Playbook. Another publication that offers insights from Brussels is *The EU Observer*. An introductory academic text on the topic of the functioning of the EU: D. Kenealy, J. Peterson, and R. Corbett, *The European Union: How Does It Work?* (OUP, 5th edition)

Human Rights and International Security			
Governance only		Semester	
Dr. Stoyan Panov (stoyan.panov@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	18	00LE62S-LAS-GO0085
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Governance III		Research in an Area of Governance Specialization Option: Governance	

Prerequisites	Introduction to Governance
Format, Dates, Times and Rooms	Seminar Mon, 16-18h, Ph HS 2 Wed, 16-18h, HH 9 HS 00 003a
Course Description	The course introduces students to an interdisciplinary exploration of the concepts of Human Rights and International Security. The course is an opportunity for students to develop knowledge and understanding of fundamental principles of Human Rights as a subject matter with a focus not only on states and international organizations as main actors but also on individuals. The course also looks at the thread of international security in the fields of human rights, the law of armed conflict (war), economic and social inequality and discrimination, terrorism and cybersecurity among other relevant topics. Related to the concept of International Security, discussions will focus on recent developments such as international interventions in armed conflicts, Responsibility to Protect, migration, terrorism, collective security, among others. The emphasis is on dealing with classical debates on international security as well as novel approaches to the topic through the prism of Human Rights. What function do Human Rights play in international security? From human rights perspective, the relevant topics addressed in the course will cover effective enforcement and protection of Human Rights, the right to life, the prohibition of torture, inhuman and degrading treatment, the rights to liberty, the right to private life, and the right to effective remedy. The complex design of protection of Human Rights norms in armed conflicts will also be addressed. By examining materials and their interaction with current security-related issues such as the war in Ukraine, students shall gain competences in analyzing contemporary developments. The course will employ concrete examples, case studies and interactive exercises in order to contextualize the approaches and tools, and highlight linkages between theory and practice in the areas of Human Rights and International Security. The participants will gain skills to analyze fact problem sets and apply acquired knowledge in various case scenarios. Students may be required to participate in group activities and presentation projects.
Remarks	The course may be offered in a hybrid mode. It is possible to complete the examination requirements of the course online.
Examination Dates	Form of Assessment: Written assignments, research paper/research design analysis, and/or presentations. Last component of the grade is planned to be due on 28.02.2023.
Recommended Reading	B. Buzan (1997), *Security: A New Framework for Analysis*.

Introduction to Western Political Theory			
Governance, Electives		Semester	
Dr. Elina Sannehag (elina.sannehag@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GO0073
Module(s) StuPo 2015		Module(s) StuPo 2020	
Theoretical and Philosophical Foundations of Social Sciences		Political Theory	

Prerequisites	none
Format, Dates, Times and Rooms	Seminar Mon, 16-18h, AU 01036a Wed, 16-18h, KG 1023
Course Description	Should there be limits to free speech? Is affirmative action good for equality? Is progressive taxation fair? Come and debate these and similar question during the WS in the course Introduction to Western Political Theory. In this course, we will study some core ideas of Western political theory, and get familiar with the work of the brightest minds of the Western political thought. The aim of the course is to discuss politically controversial topics, and approach these from different theoretical perspectives. This course uses problem based learning as a method of instruction. In other words, the students are expected to discuss the course material intensively and actively in groups of 4-5 students.
Remarks	The course is in a hybrid format, with some sessions taking place on-site and others online. Prioritry to second-year students! No exchange students.
Examination Dates	Three reading diaries as pass/fail assignments, one reflective paper, and two essays. Date of exam and resit tba.
Recommended Reading	Mill, John Stuart. 1859. *On Liberty*. Marx, Karl, and Friedrich Engels. 1848. *Manifesto of the Communist Party*. Pope Leo XIII (1891): *Rerum Novarum*.

Law-Making in Europe			
Governance only		Semester	
Dr. Sofiya Kartalova (s.kartalova@csl.mpg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-GO0079
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option Governance I or II		Specialization Option Governance	

Prerequisites	Introduction to Governance, additional prerequisites apply to all Specialization Options, depending on STUPO
Format, Dates, Times and Rooms	Seminar Mon, 18-20h, KG 1134 Wed, 18-20h, KG 1134
Course Description	How are laws made? How can we compare such processes across countries? How are conflicts that might arise in the process of making laws solved? When is the law-making process considered efficient? High-quality? Transparent? This course provides a comprehensive overview of the foundational principles, theory, and practice of law-making in Europe. The course focuses not only on the variety of law-making practices in European states, but also on the multi-level legislative process in the European Union. We will highlight the role of the judiciary branch (as distinct from the legislative, i.e. parliaments) in the interpretation and creation of legal rules. Finally, we will discuss the contemporary and future socio-political challenges as an opportunity for improving the efficiency and quality of the legislative process in Europe. By the end of this course, the students will have gained insight into the complexities of law-making in Europe. Further, they will have acquired the ability to characterise and critically examine the legislative process in a particular jurisdiction (written assignment), describe, analyse, and present case studies of legislative action within said jurisdiction (oral presentation), and debate and deliberate on a proposed bill of legislation (simulation). In terms of the format, the course will combine lectures, seminars, oral presentation and a simulation of parliamentary work. If the University prolongs the winter holidays or makes similar adjustments, the course may have a part of the classes online.
Remarks	Highly recommended to take Principles of Law or equivalent course beforehand.
Examination Dates	Exam consists of written and oral assignments, final deadline 28.02.2023.
Resit Date	20.04.2023

4.5 Study Area: Life Sciences

Anatomy and Functions of the Brain			
Life Sciences, Electives		Semester	
Dr. Janina Kirsch (janina.kirsch@biologie.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	25	00LE62S-LAS-LS0007
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Life Sciences I, II or III		Advanced Life Sciences I, II or III	

Prerequisites	Introduction to Life Sciences
Format, Dates, Times and Rooms	Self-paced online class with video feedback In-class meetings: Fri, 2.12., 14-16h, Biology, SR 00 043 Fri, 13.1., 14-16h, Biology, SR 00 043 Fri, 3.2., 14-16h, Biology, SR 00 043
Course Description	Self-paced online studying with recorded videos and a script. For each topic, students complete learning units in ILIAS and model the brain structures at home using plasticine (yes, your hands will get dirty!). These plasticine models will help you to understand the relative location of different parts of the brain. Feedback is provided through video files and during the optional check-in meetings in person. In this course different components of the vertebrate brain and associated functions are presented one by one. In particular these are ▪ General structure of the vertebrate brain ▪ Spinal cord ▪ Medulla oblongata ▪ Cerebellum ▪ Midbrain ▪ Thalamus ▪ Hypothalamus ▪ Basal ganglia ▪ Limbic system ▪ Cerebral cortex
Remarks	Self-paced online class with video feedback and optional in-class meetings. You will be able to pick up the plasticine at UCF shortly before the course starts.
Examination Dates	Final computer-based exam in presence in one of the computer pools (at Biologie II/III) on 10.02.2023, 14-16h.
Recommended Reading	The script of the course along with two SOMSO models of the human brain are available in the reading room for inspection and self-study.

Biotechnology			
Life Sciences, Electives		Semester	
Dr. Christoph Howe (C.Howe@gmx.net)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-LSEE0008
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Life Sciences I, II or III Specialization Option: Life Sciences I or II EES: Specialization Option I or II		Advanced Life Sciences I, II or III Specialization Option: Life Sciences I or II ESS: Specialization Option I or II	

Prerequisites	Biochemistry (Foundational Chemistry) or Environmental Chemistry
Format, Dates, Times and Rooms	Seminar Mon, 10-12h, AU 01036a Wed, 10-12h, AU 01036a
Course Description	Within the field of Biotechnology researchers as well as engineers find biological solutions for a wide variety of processes, products or challenges that human mankind faces. The subfields of Biotechnology are often categorized by a specific colour code in which red refers to medical or pharmaceutical products that often are produced by genetically engineered yeast or bacterial cells; green biotechnology utilizes photosynthetic cells such as plants, algae or even cyanobacteria to generate a range of products such as colorants or feedstock; brown biotechnology is dedicated to environmental protection and the restoration of habitats that suffer from chemical disasters or pollution; etc. . Many biotechnological successes such as large-scale production of citric acid as a food preservative, insulin for diabetes treatment or the taste flavour glutamate originate from the expanding knowledge in genetic engineering, thorough biological observation and technical innovation. Undoubtedly, our nowadays life is strongly impacted by biotechnological advances whenever we are washing our clothes, buying groceries or go to see a doctor. The course contains a short repetition of microbiological and biochemical knowledge, an in-depth overview of red (pharmaceutical), blue (marine), brown (environmental), green (photosynthetic organisms) and white (industrial, enzyme-based) biotechnology as well as a planned excursion to a biotechnological company.
Examination Dates	Final exam and project work to be accomplished during the class.
Recommended Reading	Renneberg, Berkling, Loroch & Sussbier (2017) Biotechnology for Beginners (2nd ed.) - electronically available through the UB

Cell Biology			
Life Sciences, Electives		Semester	
Dr. Christoph Howe (C.Howe@gmx.net)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-LS0004
Module(s) StuPo 2015		Module(s) StuPo 2020	
Cell Biology		Cell Biology	
Prerequisites	Introduction to Life Sciences		
Format, Dates, Times and Rooms	Seminar Tue, 12-14h, KG 1134 Thu, 12-14h, KG 1134		
Course Description	This course provides a basic understanding of the structure and the molecular functions of the different components within eukaryotic cells. Lectures will provide knowledge on the follwoing questions on a molecular level: What biobricks are we made of and how are these bricks created in a typcial cell? What does happen when we breath and how do plants provide us with the necessary oxygen? How do we digest our food? How does our immune system work and what are the strategies of viruses to infect our cells? How do neurons transmit signals and how do we move our muscles and see with our eyes? How does our inner clock steer our need for sleep? Classes are based on discussion-oriented lectures including a practical introduction of microscopy. Additionally, students actively work on self-chosen projects during the course to explore their interests in cell biology. Upon completion of this course, students will demonstrate a comprehensive understanding of the structure and molecular function of living cells.		
Examination Dates	50% research project and 50% final exam. Exam and resit dates tba.		

Computational Genomics			
Life Sciences, Electives		Semester	
Dr. Senthilkumar Ramamoorthy (senthilkumar.ramamoorthy@uniklinik-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-LS0035
Module(s) StuPo 2015		Module(s) StuPo 2020	
LS: Methods Specialization Option I or II		LS: Methods I or II Specialization I or II	

Prerequisites	Introduction to Life Sciences
Format, Dates, Times and Rooms	Seminar Mon, 10-12h, KG 1134 Wed, 10-14h, HH 9, HS 00 003a
Course Description	The code of life is written with a combination of 4 letters (A, T, G, C). The ˜3 billion characters containing text is stored in the form of ˜2-meter-long DNA in every cell (˜10-100 µm size) of our body. This complex genetic information is decoded by several molecular machineries of the cell to establish its function. The advancement of next-generation technologies helped scientists to sequence the genome, transcriptome, proteome and metabolomes of various model organisms. In the post-genomics era, computational methodologies are extensively used for analyzing and interpreting such complex biological data. It is essential for a biologist to have adequate knowledge of bioinformatics to explore and interpret data-intensive genome research. The following topics will be covered during the course in the form of lectures, lab exercises, group discussions, assignments and a group project. ▪ Genome organization and regulation; Genome evolution; Gene structure and regulatory modules; next generation sequencing technologies. ▪ Primary and secondary data resources for genome information; Functional annotations of the genome; Techniques for genome analysis; Algorithms for sequence analysis; ▪ Computational methods for comparative genomics; Phylogenomics. ▪ Epigenomics; Gene expression regulation; Transcriptomics (Microarray and RNASeq). ▪ Clinical genomics; Population genomics; Genome-wide association studies. ▪ Genomics at single cell level; Methods for studying the 3D architecture of the genome. The course participants will be trained to use genome analysis software in a problem-based learning approach.
Remarks	Students need to bring their personal laptop for the exercise sessions. Prior knowledge of computer programming is not required, but an added advantage. The study materials will be provided during the course for each topic.
Examination Dates	50% research project (due 25.01.2023) and 50% presentation (during class)
Recommended Reading	"Bioinformatics - Sequence and Genome analysis" by David W. Mount "Bioinformatics" by Andreas D. Baxevanis, Gary D. Bader and David S. Wishart

Human Physiology			
Life Sciences, Electives		Semester	
Prof. Dr. Dieter Kunz (dieter.kunz@unibas.ch)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-LS0010
Module(s) StuPo 2015		Module(s) StuPo 2020	
Physiology		Physiology	
Prerequisites	Introduction to Life Sciences, Cell Biology, Biochemistry (Foundational Chemistry)		
Format, Dates, Times and Rooms	Seminar Mon, 8-10h, AU 01065 Wed, 8-10h, online		
Course Description	Physiology is the science of life aiming to understand the mechanisms of living things, from the basis of cell function at the ionic and molecular level to the integrated behaviour of the whole body and the influence of the external environment. Research in physiology helps us to understand how the body works in health and how it responds and adapts to the challenges of everyday life. It advances our understanding of the detailed mechanisms that control and regulate the behaviour of living things. We continue to learn more about fundamental processes, such as the control of heart rate or the sense of vision, through comprehensive exploration of the multiple processes involved. We will have a look at the most basic level, molecular interactions and how the collection of molecules in living organisms' forms cells. We will learn about cells forming tissues and organs, and how groups of organs integrate their functions to create organ systems, that allow us to create energy by food consumption, to store and transfer this energy, to perceive our environment with various senses and how our body protects itself. The course will include presentations of the participants. Tandems will present patients suffering from exemplary and most common diseases. Students will explain the underlying physiology, but also present some data to the pathophysiology of the diseases.		
Remarks	It is planned to have an excursion to Prof. Kunz' physiology lab in Basel/CH. Details will be announced at the beginning of class.		
Examination Dates	Final exam (in presence) in the last week of the semester.		
Recommended Reading	Silverthorn (2016) *Human Physiology: An Integrated Approach* (Reading Room: NT/Sil/1) Brandes, Lang & Schmidt (2019) *Physiologie des Menschen: mit Pathophysiologie* (electronic license through the university library)		

Human-Technology Interaction in Medicine			
Life Sciences, Electives		Semester	
Dr. Philipp Kellmeyer (philipp.kellmeyer@uniklinik-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-LS0038
Module(s) StuPo 2015		Module(s) StuPo 2020	
Methods Specialization Option LS I or II		Methods I or II Specialization LS I or II	
Prerequisites	Introduction to Life Sciences		
Format, Dates, Times and Rooms	Seminar Tue, 16-18h, HH9 HS 01 020B Thu, 16-18h, HH9 HS 01 020B		
Course Description	Digital technologies have become a ubiquituous presence in medicine and health care. Robots can assist in surgery or as 'social' companions in rehabilitation. Virtual reality can be used as an auxiliary tool in psychotherapy, burn victims, stroke rehabilitation and many other contexts. Decision-support systems based on artificial neural networks can help medical professionals in diagnosing and treating complex diseases. Yet, the presence and increasingly interactive and adaptive character of these emerging technologies places complex cognitive, emotional and practical demands on users (both medical professionals and patients) for successful interactions with devices and software. In the first part of the seminar, we will examine conceptual foundations of human-technology interaction (HTI) from an interdisciplinary perspective. Drawing on works from the philosophy of technology and philosophical anthropology, psychology, cognitive science and neuroscience, we will elucidate and critically examine important concepts underlying HTI. In the second part, we will familiarize ourselves with a variety of methods for the qualitative study of HTI in a medical contexts. In the spirits of a mixed-methods approach, we will learn about qualitative interview methods, ethnographic methods and methods from design thinking and HTI research in psychology. Throughout this second phase, students will apply some of the methods in mini research projects on HTI involving consumer health technologies. Together, we will analyse and critically discuss the results from these projects. In the third part, we will jointly examine some ethical tensions, legal challenges and societal implications of HTI in medicine. The aim is, to jointly identify preconditions and factors that make succesful HTI in medicine more likely. An important emphasis will be placed on the importance of including values, norms and critical perspectives in the early phases of technology design in medicine.		
Examination Dates	Final essay due on 25.02.2023.		

Nervous Systems Disorders			
Life Sciences, Electives		Semester	
Dr. Wilf Gardner (w.gardner@unistra.fr)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-LS0029
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Life Sciences I, II or III Specialization Option: Life Sciences I or II		Advanced Life Sciences I, II or III Specialization Option: Life Sciences I or II	

Prerequisites	"Anatomy and Functions of the Brain" or "Neuroscience: From Brain to Behaviour"
Format, Dates, Times and Rooms	Seminar Mon, 18-20h, Werthmannst. 4, HS 01016 Wed, 18-20h, Werthmannst. 4, HS 01016
Course Description	The central nervous system is the biological engine through which humans navigate the world, an expression of nature with the capacity for self-awareness and autonomy in the trajectory of its own evolution. Every modality of the human condition, from the most primitive functions of our survival to our higher-order intelligence and self-awareness, is directed through this complex web of matter that is our nervous system. The classic experiments of antiquity and modern breakthroughs in medical technology have granted us deeper insight into the mechanics of the brain and everything it controls. Modern neuroscience is a diverse and interdisciplinary field, variously engaging elements of biology, chemistry, psychology and philosophy to advance our understanding the nervous system in health and disease. This course explores the nervous system through its disorders, the study of which has long been used to provide insight into healthy function. Drawing from molecular and cellular biology, genetics, physiology and psychology, students will develop an understanding of how neuroscience research utilises tools from a wide range of disciplines to describe the normal functioning of the nervous system, and to diagnose and treat its disorders. Students will go on to develop in-depth knowledge of how disruption of nervous system function at various stages can give rise to disease, and learn to think critically about diseases, treatments, and how they can be understood within a wider societal context. Classes are based on a combination of lectures, seminars, and student presentations, with a focus on interactive learning and discussion. Topics will include neuroscience research methods, infectious and developmental disorders, neurodegeneration, brain injury and psychiatric disorders. Students will learn to interact critically with research methodology and scientific literature, allowing them to engage with material beyond that specifically discussed in the course. The course endeavours to equip students with specialised neuroscientific knowledge and offer a basis for those who would choose to further pursue basic or clinical research, in neuroscience or the wider biomedical sciences.
Remarks	The course will be delivered partly online, with some sessions delivered in presence. Preference will be given to delivering the more lecture-focused sessions online and holding discussion sessions in presence.
Examination Dates	Presentation (20% of final grade) + exercises (20% of final grade) + end-of-term essay (60% of the final grade; max 2000 words)
Recommended Reading	Sontheimer, H. (2015). *Diseases of the Nervous System*. Academic Press. (Reading Room: NT/So/1) Kandel, Schwartz et al. (2013) *Principles of Neural Science*. McGraw-Hill Medical. (Reading Room: NT/Kan/1)

4.6 Study Area: Multiple

Planning and Doing Research			
Core, all Majors		Semester	
Dr. Simon Büchner (buechner@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 4	4	20	00LE62S-LAS-CO0042
Module(s) StuPo 2015		Module(s) StuPo 2020	
Research Design Across Disciplines		Senior Profiles of all majors	

Prerequisites	
Format, Dates, Times and Rooms	Seminar Wed, 14-16h, Ph HS 2 26.10. and 30.11., 14-16h, AU Co-Creation Room
Course Description	In the fourth year of LAS studies it is time to take stock of your knowledge on how to plan and conduct an independent research project which you may or may not turn into your bachelor thesis. The course 'Planning and Doing Research' exposes you to the expectations to high quality research and encourages discussion on the differences and similarities across the areas of intellectual interests that you and other students will bring to the course. We will summarize, analyze and improve your ability to plan and manage a small-scale research project. The goal is to come up with a proposal including a research plan which you can then discuss with a (potential) supervisor. For this, we will run through all phases of a research project and discuss and practice related activities involved in each step. This includes, finding an interesting and feasible research topic, developing a manageable research question, ethical considerations when doing research, selecting an appropriate method or approach, coming up with a suitable research design, approaching a potential supervisor, collecting, analyzing, and interpreting data (written, verbal, and numerical), drawing conclusions, critically discussing your own work, and presenting your plans and results effectively. The course will be a mix of instructor presentations, reading-based discussions, individual and group exercises, and student presentations. The starting point will be content from previous courses in order to extend your skills and knowledge, so that you can apply them to your research project and eventually turn it into a thesis. There is no topical focus in this course and students from all majors are warmly invited as a large diversity of students from different majors will improve the learning of every member of the class.
Remarks	The course is open to all Majors and is not content-oriented. Instead students prepare a potential bachelor or other research project. Intellectual openness is both a prerequisite and a desired outcome.
Examination Dates	Submission of course work by 28.02.2023.
Recommended Reading	Booth, W., Colomb, G. & Williams, J. (2008). *The Craft of Research*. 3rd edition. Chicago and London: University of Chicago Press (Reading room: EDU/Boo/1). Snieder, R., & Larner, K. (2009). *The Art of Being a Scientist: A Guide for Graduate Students and Their Mentors*. Cambridge University Press. (UB: NA/2018/84).

Research Design			
Core, all Majors		Semester	
Dr. Mila Mikalay (mikalay@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 4	4 SL, 4 PL, 6 SL, 6 PL	18	00LE62S-LAS-CO0056
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Governance III		Senior Profiles of all majors	

Prerequisites	as per STUPO
Format, Dates, Times and Rooms	Seminar Tue, 12-14h, AU 01036a Thu, 12-14h, AU 01036a
Course Description	The course exposes you to the expectations to high quality research in different disciplines and encourages discussion on the differences and similarities across the areas of intellectual interests that you and other students will bring to the course. We will summarize, analyze and improve your ability to formulate a research goal, select an appropriate theory and method, and plan and manage a research project. Upon completing this course, you should be able to understand the principles of developing a viable research project, following the criteria of solid research design, including: ▪ formulating and refining a research goal / research question, ▪ understanding the principles of selecting a suitable theory and method for answering your research question, ▪ knowing how to define the data necessary to answer the research question, how to gather, systematize and analyze it, ▪ formulating a convincing relevance statement by contextualizing your research as an informed position in an existing academic debate, ▪ improving the capacity to efficiently and correctly use sources to construct a clear and convincing argument, ▪ improving the ability to clearly and convincingly communicate your research, both in writing and oral presentations; ▪ improving the ability to provide constructive feedback on the research of other scholars. The course is offered for any Major, uses materials from all disciplines and has in the past been very successfully completed by students from all Majors. As an experienced researcher and lecturer, I am able to guide you in all your projects in terms of research design. Note however that I am a political scientist by training so I will tend to start from the conceptual framework used in social sciences.
Remarks	This course may be taken for 4 or 6 ECTS, with or without a grade, for any Senior Profile. The decision is to be taken by students in consultation with the lecturer and their advisor – ideally.
Examination Dates	Depends on the option chosen, but always includes a research proposal. Final deadline: 28.02.2023.
Resit Date	20.04.2023
Recommended Reading	Get a copy of Booth, Colomb, Williams: *The Craft of Research*.

Bachelor Projects - Student Conference			
Senior Profile/Core		Conference	
Dr. Simon Büchner (buechner@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 4	2	any number	00LE62S-LAS-CO0078
Module(s) StuPo 2015		Module(s) StuPo 2020	
Research Design Across Disciplines		Senior Profile in any major	
Prerequisites	none		
Format, Dates, Times and Rooms	Preparatory Meeting (online) Fri, 9.12., 14-16h Conference 13.2., 10-16h, Ph HS 1, 3 and 4 14.2., 10-16h, Ph HS 1, 3 and 4		
Course Description	In this student-organized conference, you will be able to present your thesis project at whatever stage it is and receive valuable feedback. Many students start working on their thesis mid-February, so for them it is an opportunity to get feedback right before they start working intensely on it. Others are invited to present early ideas for their project or projects that have already been started or even completed. Based on an abstract you will be able to present your project in a talk or as a poster to an audience of peer and other fellow students as well as staff and supervisors. All participants who take this event for credits also have to contribute to the organization of the conference. A preparatory meeting will take place before the Christmas break at which an organizing committee will be formed. Students then jointly prepare the conference in January/February and hold the event mid-February.		
Remarks	Students in StuPO 2015 can cover the module “Research Design Across Disciplines” by taking the course “Planning and Doing Research” and this one to cover 6 credits.		
Examination Dates	Pass/fail (SL) only. Active participation in the organisation of the conference and in the conference as well as a presentation at the conference.		

Environmental Psychology			
EES/ESS, Life Sciences, Governance, Electives		Semester	
Nathalie Niekisch (nathalie.niekisch@wandel-werk.org)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GOEE0005
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option: EES I or II Human and the Environment Advanced Life Sciences I or II Advanced Governance I and II		Specialization Option: ESS I or II Human and the Environment I or II Advanced Life Sciences I or II or III Advanced Governance I and II	
Prerequisites	Introduction to EES/ESS and Introduction to Governance		
Format, Dates, Times and Rooms	Seminar Tue, 14-17h, FMF 01 009		
Course Description	What motivates each of us to behave in a way that is - or is not – environmental-friendly? Why are we sometimes unsuccessful in being sustainable within our actions - despite good intentions? And how can we address the important issue of sustainable development to motivate more and more people to act? A key to successful environmental and climate protection lies in understanding human experience and behavior. Psychological research makes an essential contribution to this. In this course we will get to know the field of environmental psychology, its theories as well as practical implementations such as helpful climate communication skills. The students will receive weekly readings which form the base for group presentations during the classes. In a group the students will create, conduct and evaluate a sustainability project themselves based on the psychological learnings of the course. Additionally, the students receive weekly assignments which they will work on individually		
Remarks	Students majoring in Earth and Environmental Sciences/Environmental and Sustainability Sciences have priority		
Examination	Exam and resit dates tba.		

ETS Colloquium			
Electives		Semester	
Prof. Dr. Frieder Vogelmann (frieder.vogelmann@ucf.uni-freiburg.de), Prof. Dr. Nadja Germann (nadja.germann@philosophie.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s)	none	none	00LE62S-LAS-IN0028
Module(s) StuPo 2015		Module(s) StuPo 2020	
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Prerequisites	none		
Format, Dates, Times and Rooms	Colloquium Wed, 17-20h, KG 1227 (bi-weekly)		
Course Description	In this joint colloquium, we will read research literature on alternative epistemologies as well as discuss talks on current research projects from members of the colloqium and external guests.		
Remarks	Come to the initial meeting on October 19 to join us and find out more.		

Geographical Information Services			
EES/ESS, Governance		Semester	
Katharina Gernler (katharina.gernler@posteo.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-GOEE0005
Module(s) StuPo 2015		Module(s) StuPo 2020	
Analytical Methods Specialization Option: EES I or II Qualitative or Quantitative Methods (Governance)		ESS Methods I or II Specialization Option: EES I or II Methods (Governance)	
Prerequisites	Introduction to EES/ESS or Introduction to Governance		
Format, Dates, Times and Rooms	Seminar Thu, 8-12h, KG 1243		
Course Description	Managing data with a spatial reference to the earth is a central function of a Geographic Information System (GIS). At one hand, it is a system that holds and manages different data types. At the other hand, a GIS also connects data to a map, hence serving as a data visualization tool. GIS are commonly used in science, in almost every industry, as well as by governments and administrations. This course consists of three parts. Within the first part, making up approx. a quarter of the whole course, we will do some theory of spatial data and pursue the broad application of GIS in practice. Also, we will look into data acquisition (to cue open source data) and administrative regulations. Students will do a small Studienleistung and group work. During the second part, we will learn to deal with main tools of the QGIS Software. Besides, there will be a lot of accompanying examples on geospatial analysis commonly used in environmental science. In the final part, taking about half the time of the whole course, the students will do a study project on a freely chosen topic. All lessons during the project part will be supervised. After completing this course, students will be able to handle the basic functions in a GIS software, perform statistical and geospatial analytics, understand the basic aspects of geodata and create resp. publish maps.		
Remarks	Students majoring in EES/ESS have priority		

Im Dialog: Wissenschaften und ihr Publikum			
Electives		Semester	
Prof. Dr. Frieder Vogelmann (frieder.vogelmann@ucf.uni-freiburg.de) and others			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 1-4	None	80	00LE62S-LAS-IN0029
Module(s) StuPo 2015		Module(s) StuPo 2020	
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Prerequisites	none		
Format, Dates, Times and Rooms	Lecture Series Wed, 18-20h, KG 1098		
Course Description	Über ihre jeweilige Wissenschaft zu sprechen, gehört zum täglichen Brot aller Wissenschaftler:innen – und nicht nur über Forschungsergebnisse oder die Wege, die dorthin geführt haben. Die Diskussion und der Austausch mit anderen wissenschaftlichen Disziplinen und Institutionen sind genauso Inhalt solcher Gespräche wie die Wahrnehmung in der Öffentlichkeit sowie Freud und Leid in der Lehre. Insbesondere in der Corona-Pandemie hat sich die Vermittlung von wissenschaftlichen Ergebnissen sowie deren Interpretation oder auch die Beratung der Politik intensiviert – ebenso wie das Nachdenken darüber, wie dieser Dialog geführt wird und geführt werden sollte, mit welchen Problemen er behaftet ist und wie diese gelöst werden können. Wenn über Wissenschaften und ihre Kommunikation nachgedacht wird, steht dieser Austausch oft im Vordergrund. Doch die Wissenschaften wenden sich auch an andere Adressat:innen: andere Wissenschaftler:innen, an Studierende, Unternehmen, politische Akteure sowie an die Öffentlichkeit im Allgemeinen. Lässt sich auch in diesen Fällen etwas darüber sagen, wann und wie diese Dialoge gelingen? Welche Kritik, welches Lob verdienen diese Dialoge in ihrer derzeitigen Fassung – und wie könnten sie kreativ weiterentwickelt werden? Anlässlich seines 10jährigen Bestehens widmet das University College Freiburg (UCF) diesem Austausch der Wissenschaften mit ihren verschiedenen Adressat:innen eine Vorlesungsreihe. Das UCF hat mit seinem fächerübergreifenden Bachelorstudiengang Liberal Arts and Sciences sowie seinen interdisziplinären Lehr- und Forschungsaktivitäten ein genuines Interesse, diesen Fragen nachzugehen. An acht Abenden werden die verschiedenen Gesprächsformen von Wissenschaften zu ihrem Publikum aus verschiedenen Perspektiven unter die Lupe genommen.		
Remarks	For more information, including dates and speakers, please consult the poster and UCF website.		

Journalism			
all majors		Semester	
Prof. Dr. Sabine Rollberg (srollberg@t-online.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3, 4	6	20	00LE62S-LAS-CHEEGOLE0001
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option Culture & History I or II Specialization Option EES I or II		Senior Profiles of all majors	
Prerequisites	C&H: Introduction to Culture and History + Theory of Culture/Theory of History LS: Introduction to Life Sciences and all Advanced Life Sciences modules.		
Format, Dates, Times and Rooms	Seminar Mon, 14-16h, Medienzentrum Tues., 14-16h, Medienzentrum		
Course Description	Independent investigative journalism has never been more important than today, when the world is more and more complex. Yet the threats against it are widespread. Many groups target “the media” as enemy, the slogan "fake news" has more and more entered the daily language and the erosion of traditional media business models makes it difficult to finance independent journalism. This course pushes back against these trends by introducing a new generation into journalistic thinking, working and writing. Students eager to test this professional world will learn to distinguish between academic and journalistic language, will examine journalistic principles, will explore journalistic genres (political, cultural, science, PR) and will practice production in different media (print, radio, TV, online) We start with basics like writing news and then explore other forms like reportage, portraits, etc. The final project will be a video “Magazine” as a group project, with contributions from each student drawn from their research interest in whatever field. This course includes training in camera and editing work in preparation for the final project. Experts from print, radio and television, working as investigative reporters, war journalists or cultural experts will be invited to share their theoretical knowledge and practical experiences. Students will help prepare these visits and evaluate what they learn from journalistic experts.		
Remarks	This course mixes seminar style learning with project based learning. Students will be encouraged to write their own blog. These articles can also be written in German. Some literature will be in German, so reading knowledge of German is recommended. However, no part of the grade will depend on German, and non-German-speakers are entirely welcome to participate. There will be an opportunity for individual and group consultations a few times in the semester on Mon/Tues 16:00-17:00. Students should plan significant time in January / February 2022 completing the final project, the “magazine.”		
Examination Dates	15.04.2023		
Resit Date	01.05.2023		

Maths and Physics			
Life Sciences, EES/ESS, Electives		Semester	
Dr. Benoit Louvel (benoit.louvel@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	45	00LE62VS-LAS-LSEE0003
Module(s) StuPo 2015		Module(s) StuPo 2020	
Maths and Physics for the Liberal Arts and Sciences		Mathematics for the Sciences	
Prerequisites	Introduction to EES/ESS and/or Introduction to Life Sciences		
Format, Dates, Times and Rooms	Lecture: Mon, 8-10h, Wihlelmstrasse 26, Room 006 Wed, 8-10h, KG 1228 Tutorials: WG1: Fri, 10-12h, KG 1134 WG2: Fri, 12-14h, KG 1134		
Course Description	In this course, Mathematics will be introduced from two points of view: Mathematics as a tool in Science, and Mathematics in the context of Number Theory. The first part of the course will present Mathematics as a necessary tool in the formalism of any scientific approach. In the second part, basic concepts of Classical Mechanics necessary for the understanding of nature will be introduced as an application of the first part. In the third part, fundamental concepts in Number Theory - from ancient maths to most challenging problems not yet resolved - will be addressed in order to put the student in contact with the abstraction of pure Mathematics.		
Examination Dates	Mid-term and final exam. Exam and resit dates tba.		

KG Kollegiengebäude
AU Alte Universität
HS Hörsaal
BT Breisacher Tor

Ph Peterhof
HH Hermann-Herder-Straße
FMF Stefan-Meier-Str. 21

Mountains in the Anthropocene: Politics of Culture and Nature			
Culture & History, EES/ESS, Electives		Semester	
Dr. Eva Rüskamp (Eva.rueskamp@anglistik.uni-freiburg.de), Maria Kościelniak-Woźniak (maria.koscielniak@uwr.edu.pl)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-LAS-CHEE0002
Module(s) StuPo 2015		Module(s) StuPo 2020	
Sociocultural Anthropology or Area Studies Advanced Culture & History I, II or III Humans and the Environment		Culture: Peoples and Practices Culture & History I, II or III Humans and the Environment I or II	
Prerequisites	Introduction to Culture & History or Introduction to EES/ESS		
Format, Dates, Times and Rooms	Seminar Mon, 18-20h, Ph HS 2 Wed, 18-20h, Ph HS 2		
Course Description	From the Alps to the Tatras, from the Smokey Mountains to the Misty Mountains – humans are inspired and threatened by mountains, both real and fantastical, in equal measure. While some mountain ranges have attracted the settlement of humans early on, others remained wilderness refuges for centuries only to be discovered as “pristine” nature resorts and mythical spaces inhabited by all kinds of human and non-human creatures. Some high and inaccessible mountain areas have become unique places to be conquered, being at the same time a challenge and a prize available for elite mountaineers. Other ranges, more reachable, suffer due to over-tourism and environmental degradation. As natural borders and landmarks, mountains furthermore served as prominent figures on maps and in political disputes; they also became hideouts for partisans and vagrants, as outsiders to dominant society sought out mountains and their valleys for the freedom they afforded to pursue alternative ways of life. As a result, mountain people – whether they be proud highlanders or quirky mountain folks – accumulated a reputation themselves that informs more mainstream perceptions of the mountains they inhabit. In this course, we will introduce students to different ways of approaching and understanding mountains, both as types of spaces and as particular landscapes in regional, national and even global contexts. In addition to looking at “real” mountains, we will examine the representation and even construction of fantastical mountains in different types of media (books, movies, games). Offering a set of diverse analytical tools – from ethnographic study to geo- and ecocriticism - in the first part of the class, students will then have an opportunity to apply them in their group projects. In this second part, the independent study of the students will be accompanied by peer feedback and advisory sessions. In the last part of the course, students will be able to experience mountainous spaces during excursions (Black Forest, Alps – tbc) and in a final mini-conference present their research results.		
Remarks	This course is offered in a hybrid fashion, with classes alternating between in person and online through WS. In addition, the class will culminate in an excursion / mini conference at the end of term. Please ensure that you are available February 10-12, 2023 (that includes a weekend).		
Examination Dates	12.02.2023		
Resit Date	27.02.2023		

Research on International Politics			
all majors, not electives		Semester	
Ermelinda Kanushi (ermelinda.kanushi@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-LAS-CHEEGOLS0001
Module(s) StuPo 2015		Module(s) StuPo 2020	
Advanced Governance III		Research in an Area of Governance Senior Profiles of all majors	
Prerequisites	as per STUPO		
Format, Dates, Times and Rooms	Seminar Mon, 10-12h, KG 1236 Wed, 10-12h, HH 9 HS 00 003B		
Course Description	The course aims at preparing students to understand, design, and conduct academic research on international politics. The course will provide a step-by-step guidance on a research project undertaken by the student. There is a theoretical and practical approach to this course. In the theoretical section of the course, students will acquire knowledge and information on envisaging, designing, and executing a research project. Practically, students will be able to pursue one research project systematically by utilizing distinct academic methods. Furthermore, the students will be able to get engaged with different exercises that will sharpen their research skills and capabilities. As a first step, the students will be able to identify a topic of preference and research question in the fields of international organizations and foreign policy. In parallel, the students will receive thorough theoretical and empirical knowledge on topics such as: research methods and approaches, academic writing, literature review, research paper structures, research presentation, how to write an abstract or introduction etc. Designing and conducting academic research is mostly an individual undertaking. However – for this course - students will be able to share the journey with the classmates that will play a crucial role in providing feedback to ameliorate the quality of the research. The course will be offered in a hybrid format. Most sessions of the course with be in-presence with occasional online sessions.		
Remarks	Students taking the course for Research in an Area of Governance have priority.		
Examination Dates	The exam is in the form of assignments totaling max 8000 words. Final deadline: 28.02.2023		

Sustainable Cities			
EES/ESS, Governance, Electives		Semester	
Sabine Sané (sabine.sane@ucf.uni-freiburg.de), Maiara Gonçalves (goncalvesmai01@gmail.com)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	16	00LE62S-LAS-GOEE0012
Module(s) StuPo 2015		Module(s) StuPo 2020	
Humans and the Environment		Humans and the Environment I or II Advanced Governance I or II	

Prerequisites	Introduction to EES/ESS
Format, Dates, Times and Rooms	Seminar Mon, 10-12h, AU 01065 Wed, 10-12h, AU 01065
Course Description	Cities were estimated to house about 56% of the world's population in 2020 and contribute 40-70% of global GHGs already a decade ago. Thus, the sustainable development of cities is critical for providing a safe and healthy living environment for a bulk of the human population, and for meeting our global GHG emissions reduction and biodiversity conservation targets. In this course, we will explore what sustainable city development means. What features and developments should a sustainable city strive for? We will look at different challenges or problem scenarios and explore possible solutions. Experts on different city development issues will be invited to our course to share their knowledge and experience, and you will be able to talk with them directly. We will go on a virtual excursion to different cities, often described as one of the most sustainable and green cities in the world. How have these cities achieved goals that many cities are still dreaming about? What makes them so sustainable? Equipped with this extensive background information and reflection, you will explore the sustainability of your city or a city of your choice, and compare your findings with what we have discussed in class. Where do you find sustainable developments in your city? Where could the sustainability of your city still be improved? You will create a virtual tour on sustainability measures in your city by producing a video. Thereby, we will all be able to explore the video tours of different cities together during the course and obtain first-hand insights into the sustainable development of different cities in the world. After this course you will be able to ▪ Describe different possibilities and challenges for sustainable city development ▪ Identify sustainable developments in different cities ▪ Discuss sustainable city development with experts ▪ Apply your knowledge by collecting and presenting information on your city's sustainability ▪ Compare and evaluate the sustainability of different cities
Remarks	Students majoring in Earth and Environmental Sciences/Environmental and Sustainability Sciences have priority
Examination Dates	24.02.2023
Resit Date	31.03.2023

4 Courses of Other (Degree) Programs

Cooperations of **Culture and History** and **Environmental and Sustainability Sciences** with other degree programs will be announced in the updated course catalog in mid-September.

4.1 Study Area: Wissenschaft, Technologie, Gesellschaft

Environmental Conflict: Expertise, Power, and the Control of Nature			
Wissenschaft, Technologie, Gesellschaft		Semester	
Dr. Nicholas Buchanan (nicholas.buchanan@ucf.uni-freiburg.de) with Alina Unkelbach and Miriam Zierott			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-WTG-000102
Module(s) StuPo 2015		Module(s) StuPo 2020	
Humans and the Environment Specialization Option: EES I or II		Humans and the Environment I or II Spezialization Option: ESS I or II Senior Profile C&H	

Prerequisites	none
Format, Dates, Times and Rooms	Seminar Wed, 10-12h, KG 1234
Course Description	Is that thing they're calling food actually food? How safe, or unsafe, is the drinking water? And who gets to define "safe," and by what metric? Will geoengineering be used to combat climate change? How can we ensure such decisions are just and inclusive? Is that animal species endangered? And if so, should we do something about it? These are but a few of the questions at the center of ongoing environmental conflicts that affect the lives of everyone on earth, whether directly or indirectly. Such controversies are moments in which people disagree about the environmental past, present, and future; about what the relationship between the environment and human societies should or should not be; about how best to produce and communicate environmental knowledge; about who has the authority to govern the environment and the people in it; and about what action, if any, to take. The course will focus on tracing the social, scientific, and technical dynamics of environmental conflicts. Through theoretical and empirical readings, we will explore the dynamics of scientific and technical authority within environmental conflicts, the politics of expert disagreement, and the fate of plural ways of knowing and valuing the environment (e.g.,indigenous and local knowledge). We will also investigate how environmental decision-making is becoming increasingly participatory, complicating the boundaries between experts and the public, as well as between regulators and the regulated.
Remarks	Attendance at a student conference on Friday, 03.02.2023 from 9-15h is required and incorporated into the contact time for the course. The language of instruction is English. However, students may contribute to discussions and fulfill all course requirements in English or German.
Examination Dates	Graded Examination: Poster presentation at student conference (due 03.02.2023) plus 1500-word paper on the same topic (due 17.02.2023). Pass/Fail Examination: Attendance, in class presentation on course readings.
Resit Date	31.03.2023
Recommended Reading	Stephen Bocking, *Nature's Experts: Science, Politics, and the Environment*. New Brunswick: Rutgers University Press (2004).

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Immortality: Interdisciplinary Perspectives on the Human Future			
Wissenschaft, Technologie, Gesellschaft		Semester	
Dr. Nicholas Buchanan (nicholas.buchanan@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 2-4	6	20	00LE62S-WTG-000103
Module(s) StuPo 2015		Module(s) StuPo 2020	
Elective Joker		Senior Profile C&H	

Prerequisites	none
Format, Dates, Times and Rooms	Seminar Tue, 12-14h, KG 1243 (beginning on 08.11.2022)
Course Description	Trigger warning: Mortality and death While the focus of this seminar is the academic study of unending life—immortality—discussions may, unavoidably, involve the subject of mortality and death, even if only implicitly. Before enrolling in this class, please consider if you feel comfortable engaging with these topics. New technologies, advances in medicine, and research in artificial intelligence raise the possibility, however far-fetched it may seem, of human immortality. While medicine has long, and often successfully, pursued the quest to extend lifespans, companies in the Silicon Valley are investing in the idea of unending life through artificial intelligence, and geneticists and biologists are thinking about ways to prolong life with stem cell- or gene therapy. In this seminar, we will learn about and discuss the dreams and concrete research evolving around the goal of immortality. In addition to exploring bio-scientific, medical, and technical perspectives (in particular information technology), we will also discuss cultural concepts and narratives of immortality. In addition, we will consider the topic from psychological, economic, and resource perspectives, among others. Throughout, the course will reflect on the role of academics (including ourselves) in this field, and on critical questions of gender, race, (dis)ability, post-colonialism, and social justice. All of these questions shall make us consider what the possibility of becoming immortal would mean for our society and ourselves as individuals. What dynamics could this create, and who should be granted the power to decide?
Remarks	Attendance at a student conference on Friday, 03.02.2023 from 9-15h is required and incorporated into the contact time for the course. The language of instruction is English. However, students may contribute to discussions and fulfill all course requirements in English or German.
Examination Dates	Graded Examination: Poster presentation at student conference (due 03.02.2023) plus 1500-word paper on the same topic (due 17.02.2023). Pass/Fail Examination: Attendance, in class presentation on course readings.
Resit Date	31.03.2023

Sciences vs. Non- and Pseudo-Sciences: The Demarcation Problem			
Wissenschaft, Technologie, Gesellschaft		Semester	
Prof. Dr. Frieder Vogelmann (frieder.vogelmann@ucf.uni-freiburg.de)			
Open to Students	Credit Points	Max. Enrollment	Course Number
Year(s) 3-4	6	20	00LE62S-WTG-000101
Module(s) StuPo 2015		Module(s) StuPo 2020	
Specialization Option: C&H I or II		Specialization Option: C&H I or II Senior Profile C&H Senior Profile LS Senior Profile Governance	
Prerequisites	C&H: Introduction to Culture and History + Theory of Culture/Theory of History LS: Introduction to Life Sciences and all Advanced Life Sciences modules.		
Format, Dates, Times and Rooms	Seminar Thu, 16-18h, KG 1227		
Course Description	We have a rough and ready idea what sciences are and that some methods to gain knowledge are “scientific” whereas others are “unscientific.” Conducting a social survey, doing experiments in behaviour economics or constructing computer models to predict how the climate changes is scientific, relying on hearsay, following gut intuitions or compiling knowledge from randomly selected search results on google is not. Moreover, we consider some fields of knowledge to be “pseudo-sciences.” Astrology is a prime example, although it was consider being a science for a long time. How do we justify these intuitive judgements? What principles do we appeal to, and which elements of the sciences do we focus on? A central discussion in philosophy of science is devoted to precisely this “demarcation problem”: to finding criteria that distinguish between sciences, pseudo-sciences and non-scientific knowledge. Despite the fact that philosophers and scientists often agree on individual cases, giving an account of general criteria is not just surprisingly hard but the search for it was more or less abandoned in the 1980s. The demarcation problem was declared unsolvable or even a “pseudo-problem.” In the seminar, we will revisit this discussion and consider newer contributions, which were often prompted by political worries. After all, should philosophy of science not be able to show why e.g. creationism or astrology are not sciences?		
Remarks	The language of instruction is English. However, students may contribute to discussions and fulfill all course requirements in English or German.		
Examination Dates	Graded Examination: Essay of up to 5,000 words (100%), due on 15.03.2023. Pass/Fail Examination: Students must give a short oral presentation about one of the texts discussed in the seminar.		
Recommended Reading	Hansson, Sven Ove (2017): Science and Pseudo-Science. In: Edward N. Zalta, *The Stanford Encyclopedia of Philosophy* (Summer 2017 Edition). https://plato.stanford.edu/entries/pseudo-science/ Oreskes, Naomi (2021): *Why Trust Science?* Princeton, N.J./Oxford. Pigliucci, Massimo and Maarten Boudry (eds.) (2013): *Philosophy of Pseudoscience. Reconsidering the Demarcation Problem*. Chicago, Ill.: University of Chicago Press.		

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