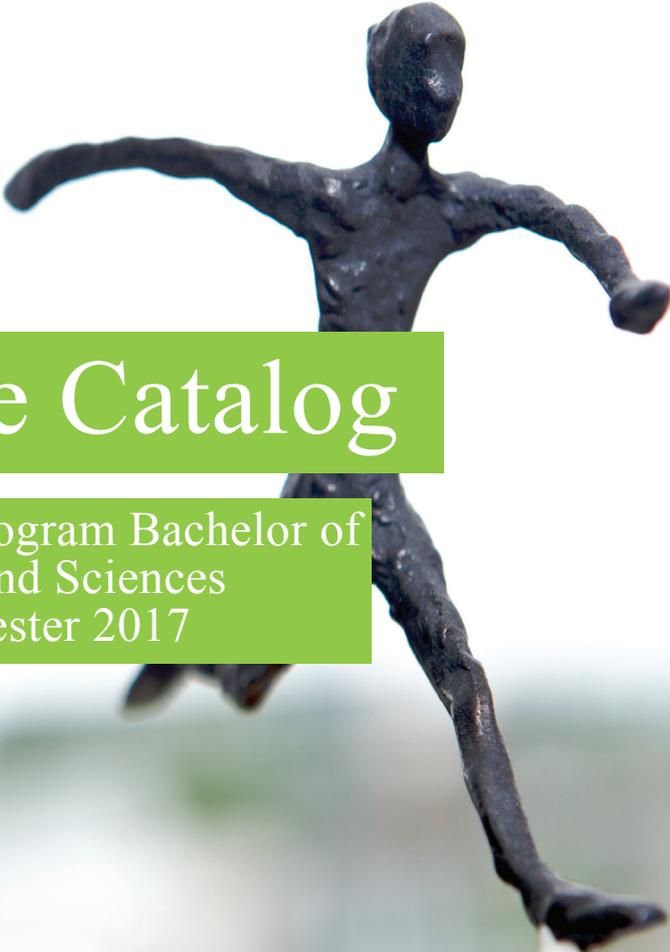




UNIVERSITY
COLLEGE
FREIBURG



Course Catalog

B.A./B.Sc. Program Bachelor of
Liberal Arts and Sciences
Summer Semester 2017

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	March 27 – April 5
Block III	April 18 – June 9 (Examinations of Block III may take place during the university Pentecost holidays)
Block IV	June 12 – July 28
University Semester	April 24 – July 29 (semester-long LAS courses run according the university semester, no teaching during university Pentecost holidays)
Resit Period	October 2 – October 27 (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 LAS Academic Calendar

The LAS Academic Calendar contains important semester dates and deadlines for LAS students.

Date	Important Dates and Deadlines
March 2017	
Starting 18.03	LAS Course Registration with consecutive registration periods for courses of the upcoming winter semester (see Course Registration)
Tue 28.03	Deadline: Application for SLI Language Courses (individual courses paid by UCF, <u>not</u> courses listed in the LAS Course catalog, the application form and guidelines will be available on the Info Board on ILIAS)
27.03 – 05.04	Pre-Block Courses
April 2017	
Mon 17.04	Public Holiday: Easter Monday (no teaching)
Tue 18.04	Block III begins Exam registration and withdrawal for courses of Block III AND semester long courses in HISinOne begin (not for courses of Block IV).
Mon 24.04	University semester begins
Fri 28.04	Deadline: Application for Courses of other Degree Programs at the University of Freiburg Courses (for graded examinations only) - The application form and guidelines are available on the LAS Info Board on ILIAS – Please use the newest application form!– Note that incomplete applications will not be considered!
Fri 28.04	LAS Open Day

Date		Important Dates and Deadlines
Mai 2017		
Mon	01.05	Public Holiday: May Day (no teaching)
Thu	11.05	Board of Studies and Examiners Meeting, 9:00h UCF Reading Room
Sun	07.05	Deadline: Exam Registration and Withdrawal for Courses of Block III AND Semester Long Courses in HISinOne (<u>not</u> for courses of block IV).
Thu	25.05.	Public Holiday: Accession Day (no teaching)
Juni 2017		
Fri	02.06	LAS Open Day
Mon	05.06	Public Holiday: Pentecost (no teaching)
06.06 – 09.06		Pentecost Holidays (no teaching, but examinations of Block III possible)
Fri	09.06	Block III ends (examinations of Block III may take place during the Pentecost Holidays)
Mon	12.06	Block IV begins
		Exam Registration and Withdrawal for Courses of Block IV in HISinOne begin.
Thu	15.06	Public Holiday: Corpus Christi (no teaching)
Juli 2017		
Sun	02.07	Deadline: Exam Registration and Withdrawal for Courses of Block IV in HISinOne
Thu	13.07	Board of Studies and Examiners Meeting, 9:00 h UCF Reading Room
Fri	28.07	Block IV ends
Sat	29.07	University semester ends
Mon	31.07	Deadline: Major Declaration to be considered for course selection of the upcoming semester (Declaration Forms are available on the LAS Info Board on ILIAS)
		Deadline: Application Credit Recognition for Study Abroad (Guidelines and application forms are available on the LAS Info Board on ILIAS)
		Deadline: Application for Graduation SS 2017
August 2017		
31.07 – 04.08		LAS Selection Interviews
September/October 2017		
Beginning of September		Publication of the LAS Course Catalog WS 2017/18 on the UCF website
Starting Mid September		LAS Course Registration for courses of the Winter Semester 2017/18 with consecutive registration periods (details tba)
25.09 – 06.10		October Intensive Courses (details tba)
09.10 – 13.10		LAS Welcome Week
Mon	16.10	University Semester begins
		Block I begins

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. Please remember, in order to take examinations (and hence get credits for courses), students must additionally register for examination. Information on exam registration is provided at the beginning of the semester.

The outlined course registration procedure **applies to all courses offered by UCF that appear in the LAS Course Catalog (including language courses offered by UCF)**. 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 ILAS.

1 Who Needs to Register?

All students who wish to participate in Liberal Arts and Sciences (LAS) courses need to register for the courses in the manner and by the deadlines specified below.

2 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, 18.3 - Tue, 21.3 (12:00h, noon)		
Who can register	For what	Comment
Liberal Arts and Sciences (LAS) students who have <u>formally</u> declared their major by 31 st of January	LAS courses to be recognized as Major courses only (<u>not</u> 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 <u>not</u> formally declared their major by 31 st of January can only register for courses in Registration Period II.
<p>Places will be assigned after the registration period. Higher year students will get priority on places unless otherwise noted in the course description.</p> <p>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, 23.3, 14:00h to 18:00h in HISinOne.</p> <p>Please, de-register from courses that you do not want to take immediately.</p>		

Registration Period II Sat, 25.3 - Tue, 28.3 (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 to be taken as 6 ECTS courses	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.
<p>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 its major will not be considered anymore.</p> <p>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, 30.3, 14:00h to 18:00h (noon) in HISinOne.</p> <p>Please, de-register from courses that you do not want to take immediately</p>		

Registration Period III Sat, 01.04 - Wed, 05.04 (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.
<p>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 other faculties.</p> <p>Please, de-register from courses that you do not want to take immediately.</p>		

3 How to Register for Courses?

Course registration takes place in the campus management system HISinOne (see below).

LAS Exchange students who have not yet enrolled at the University of Freiburg can only register for courses with the form provided by UCF.

Students of other faculties at the University of Freiburg are asked to contact UCF (las.consultation@ucf.uni-freiburg.de) before registering for courses in HISinOne.

- 1) Go to <https://campus.uni-freiburg.de> (You can change the language to English in the lower right corner if you wish)
- 2) **Login** with your Uni-Account
- 3) Go to Mein Studium (My Studies) > Studienplaner (Planner of Studies)
- 4) Select the correct Semester of Studies
- 5) Courses (📖) are linked to the corresponding LAS modules (📌). Here, you can find registrations links for the courses (**you must be logged in** otherwise registration links will not appear). You may need to click a couple of times on different symbols (📌📌) until registration links appears.

Please note:

- Once you click on the registration link, the system will again ask for the module that you wish to register the course for. **Make sure to select the same module as for the exam registration later on.**
 - For LAS students, all major modules (📌) appear twice in the Study Planner in HISinOne: in the respective Major and in the Electives.
 - Students who have declared their major register their Major courses as part of their Major and courses from other Majors as part of the Electives (Electives - Major modules, Wahlbereich – Module der Spezialisierungslinien).
 - Students who have not yet declared their major register the first *three* Introductions to Major as part of the respective Major.
 - Students who have not yet declared their major register all *other* courses as part of their Electives (Electives - Major modules, Wahlbereich – Module der Spezialisierungslinien). Once they declare their major, relevant credits will be transferred to the Major.
 - Some courses can only be taken as Major or Core courses and not as Electives (see information provided in the course catalog). Such major courses are not open to exchange students.
 - For courses with several workgroups and a lecture, students need to register for the workgroup they would like to attend. Here, registration for the lecture is not possible.
 - Exchange students can select any possible module to register their course as.
 - Only students, who have already fulfilled all modules that are listed in the course catalog, can register their course as Elective module (Joker) (numbers 00LE62MO-LAS1215-7264 to 7268).
- 6) **Always check your registration status afterwards** (Mein Studium (My Studies) > Meine Veranstaltungen und Prüfungsanmeldungen (My enrollments and examinations)).

4 Participant Lists

Course participant lists will be finalized **on Monday, April 10, 2016** 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.

5 Problems with Course Registration?

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

Always provide

- Your name
- Your matriculation number
- Your study and examination regulations (2012, 2015, Exchange student)
- Your major (if declared formally)
- the exact module title that you wish to register your course for
- and information about your problem. Please provide a screenshot of your problem whenever possible.

III Course Descriptions

All courses (with the exception of language courses) entail a pass/fail assessment (Studienleistung) and a graded assessment (Prüfungsleistung). Details on the assessments are announced at the beginning of the courses.

6 Pre Block Courses

6.1 Study Area: Core

When Culture meets Language: Issues of Representation, Performance and Mediation			
Course Number	00LE62S-LAS-CO0022	Teaching Period	Pre Block
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture and Communication Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Mandatory previous work (tba): readings; reading reviews; the preparation of an oral exposition of one of the course's texts. Check e-mail often for more information.		
Instructor(s)	Esteban Acuña Cabanzo (estebanacav@gmail.com)		
Format, Dates, Times and Rooms	Seminar 27.03.17: 9-16h, KG 1036 28.03.-31.03.17: 9-16h, AU 01065 03.04.-05.04.17: 9-16h, AU 01065		
Course Description	<p>The seminar is designed as an approximation to the creation of meaning in daily life. Relying on insights from pragmatics, linguistic and cultural anthropology, Cultural, Media and Performance Studies; the course deals with the multiple approaches that have been developed to comprehend quotidian linguistic and cultural practices. The main objective of the course is to build the ground for a critical and reflective perspective on how communication occurs in everyday settings.</p> <p>In its introductory phase, the seminar focuses on: a) language and b) culture as contested concepts that need to be historicized and situated before being introduced in the course. The seminar will then tackle the overlapping histories and interests of scholars that deal with the intersection of linguistic and cultural practices in daily life. For this purpose, it will present three concepts which have been particularly useful to comprehend these interrelations: representation, performance and mediation.</p> <p>This approach takes particular attention to the power structures that underlie said phenomena, as well as to the importance of their intersections with other categories of analysis, such as gender, class, race, ethnicity, age, ability, etc. In order to apply said theoretical insights, current moments where "language meets culture" will be analyzed through various ethnographic exercises during and beyond the sessions. These will allow for a grounded approach to the complementary theoretical lectures and reflections.</p>		
Remarks	Registration is open until 19.2. You can find a sign up list on the blue board in front of the LAS Common Room. No registration in HISinOne.		

7 Courses Offered in Block III

7.1 Study Area: Core

Oppression and Equality from an Intersectional Perspective			
Course Number	00LE62S-LAS-CO0021	Teaching Period	Block III
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Anthropology and Experience, Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Eliane Kurz (e.kurz@hotmail.com)		
Format, Dates, Times and Rooms	Seminar 18.04.-02.06.: Mon, 14-16h, KG 1019 Tue, 14-18h, KG 1036		
Course Description	<p>The concept of intersectionality was developed in the context of Black Feminism in the US and the struggle against a white feminism that just focused on the hierarchies between the sexes and denied any differences between women. Intersectionality stresses the interlocking of different forms of oppression and changed the dealing with social injustices. Today the concept is used in a variety of disciplines; in theoretical as well as in methodological and political approaches.</p> <p>The course starts with an introduction of the concept of intersectionality and its historical context. Then the course looks at different forms of oppression (e.g.: racism, sexism, classism, ableism) from an intersectional perspective. As oppression always affects people who are discriminated against and people who have certain privileges because of their social position, the dealing with the different forms of oppression will include both of these sides.</p> <p>Besides theoretical approaches to intersectionality and structural oppression the course will focus on the practical level. How is our daily life affected by structural forms of discrimination and what are possibilities to oppose social injustices? Therefore the course includes exercises and at least one excursion.</p>		
Remarks	Priority will be given to StuPo 2012 students. This is most likely the last chance for StuPo 2012 students to take the Anthropology & Experience module.		

Skills and Disciplines in Anthropology			
Course Number	00LE62S-LAS-CO0030	Teaching Period	Block III
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Anthropology and Experience, Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Simone Kraiss (simone_kraiss@eva.mpg.de)		
Format, Dates, Times and Rooms	Seminar 18.04.-23.05.: Mon, 14-16h, KG 1231 Tue, 14-16h, KG 1139 Thu, 14-16h, KG 1231 Extra Dates Tue, 18.04., 16-18h, KG 1139 Tue, 25.04., 16-18h, KG 1139 Fri, 28.04., Excursion Tue, 02.05., 16-18h, KG 1132		
Course Description	<p>Anthropology is the investigation of human nature from various disciplinary and interdisciplinary perspectives, often meeting intersections of Liberal Arts and Sciences. The study of anthropology leads to a deeper understanding of our own and other's behavior and the world as we created it.</p> <p>The first block of the seminar has an introductory character. The basic research questions and different views on humans of five main anthropological disciplines (Human Evolution, Prehistoric Anthropology, Historical Anthropology, Cultural Anthropology and Social Anthropology) are explained and exemplified by case studies. Great emphasis is put on the huge range of sources and methods that are used by the anthropological disciplines, reaching from e.g. genetics and skeletal analysis for the reconstruction of human evolution and prehistory over fieldwork and participant observation in Cultural Anthropology to empirical social research in Social Anthropology. Their examination automatically builds the ground for a wide-ranging understanding of the basic concepts of Liberal Arts and Sciences and the skills necessary for interdisciplinary research.</p> <p>The second block of the seminar has a workshop-character. The gained knowledge is applied to enter more specific topics, including essential anthropological skills and leadership abilities like academic and professional self-management, self-awareness and awareness of others and intercultural communication and a selection of current anthropological research topics that are approached in a holistic and interdisciplinary way.</p>		
Remarks	Priority will be given to StuPo 2012 students. This is most likely the last chance for StuPo 2012 students to take the Anthropology and Experience module.		

7.2 Study Area: Earth and Environmental Sciences

Earth Sciences			
Course Number	00LE62S-LAS-EE0004	Teaching Period	Block III
Study Area(s)	Earth and Environmental Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Earth Sciences	Module(s) (StuPo 2015)	Earth Sciences
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	PD Dr. Eckart Stein (stein@geo.tu-darmstadt.de)		
Format, Dates, Times and Rooms	Seminar 18.04.-02.06.: Mon, 14-16h, AU 01065 Tue, 14-16h, AU 01065 (on some days (tba) extensions until 18h possible) Thu, 14-16h, AU 01065		
Course Description	<p>In this course, students explore fundamental principles of endogenous and exogenous geology to gain basic understanding of the shape and functioning of our planet. Regarding endogenous geology, students learn about the Earth's interior structure and internal processes. These processes include the formation of rocks, in particular igneous rocks and metamorphic rocks, and deformation (plate tectonics). With respect to exogenous geology, students learn about processes and forces near or at the Earth's surface, such as the physical and chemical weathering of rocks, transport of materials (through wind, water and ice) and deposition of materials in different environments (glaciers, lakes, sea) as sedimentary rocks. In addition, an emphasis is placed on the link between both exogenous and endogenous principles and contemporary environmental challenges (e.g. earth quakes, reservoirs of resources). During the seminar, students link their acquired knowledge to current environmental challenges.</p>		
Remarks			

Energy			
Course Number	00LE62S-LAS-EE0002	Teaching Period	Block III
Study Area(s)	Earth and Environmental Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Earth and Environmental Sciences I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Earth and Environmental Sciences I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	Dr. Sabine Sané (sabine.sane@ucf.uni-freiburg.de), Dipl.-Ing. Johannes Erben (johannes.erben@imtek.de)		
Format, Dates, Times and Rooms	Seminar, Practical work 18.04.-02.06.: Tue, 09-12h, AU 01065 Thu, 09-12h, AU 01065 On some days the course will start at 8:00h c.t. (dates tba) Additional Lectures: tba by the instructors		
Course Description	One big challenge of the 21st century is the provision of a growing energy demand due to an increase in population and living standards without destroying the planet. In this respect, the benefits and limitations of traditional sources like coal, gas and oil vs. types of renewable energies like biomass, wind and solar power are often discussed. This course introduces you to the current energy technologies. We will identify potential applications, advantages and limitations of different energy technologies and fuels that drive them by getting to know the sciences behind them. You will focus on three main topics: (1) electrochemical technologies which comprise batteries and fuel cells (2) heat engines, which include motors, gas turbines, cooling processes and alike and (3) other (supporting) technologies such as generators, electric motors, nuclear power, wind turbines, solar cells and hydro power. The theoretical part of the course will be supported by practical work. After this course you will be able to recognize and understand the types and differences between current energy technologies and fuels. You will be able to evaluate and compare these technologies and furthermore, to apply your knowledge in current discussions about the benefits and limitations of prospect energy technologies.		
Remarks	An affinity to mathematics and physics is required		

Introduction to Earth and Environmental Sciences (Foundational Year)			
Course Number	00LE62V-LAS-EE0001 00LE62S-LAS-EE0001	Teaching Period	Block III
Study Area(s)	Earth and Environmental Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Introductory Module: Thought and Research in the Area of Earth and Environmental Sciences	Module(s) (StuPo 2015)	Introduction to Earth and Environmental Sciences
Open to Students	Year(s) 1, (2)	Max. Enrollment	50
Prerequisites	none		
Instructor(s)	Dr. Sabine Sané (sabine.sane@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Lecture Block III 18.04.-02.06.: Mon, 10-12h, KG 1016</p> <p>Workgroups in Block III: WG1 (takes place only if WG 2 in Block III and WG 1 and 2 in Block IV are fully booked) Wed, 08-12h, AU 01042 Thu, 14-16h, AU 01042</p> <p>WG2 Wed, 08-12h, AU 01036a Thu, 14-16h, Ph HS3</p>		
Course Description	<p>Many stores in Germany stopped selling plastic bags. But is it really better for the environment to use paper instead of plastic? Questions like this are often discussed in everyday life. In this course we will analyze these questions in a scientific manner by exploring the broad field of the Earth and Environmental Sciences. Thereby, you will also get to know the basics behind this discipline. We will focus on sustainability by engaging with the environmental, social and economic dimensions of it. You will get introduced to methods used to quantify the sustainability of products, activities and processes which will enable you to analyze decision-making processes towards more environmental sustainability in an academic manner. Furthermore, you will discover research methods used in Earth and Environmental Sciences through practical work. This will introduce you further to the great variety of fields the Earth and Environmental Sciences tackle.</p>		
Remarks	<p>You will get informed about the exact dates latest on the 1st day of the course (e.g. courses may not start each Wednesday at 8:15h). However, until then, do not plan anything throughout the timeframe indicated in the course catalog.</p> <p>The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>		

7.3 Study Area: Life Sciences

Cell Biology			
Course Number	00LE62S-LAS-LS0004	Teaching Period	Block III
Study Area(s)	Life Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Cell Biology	Module(s) (StuPo 2015)	Cell Biology
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences		
Instructor(s)	Prof. Dr. Eleni Roussa (eleni.roussa@anat.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Seminar Institute of Anatomy, Albertstr. 17 Tue, 18.04.2017, 16-18h, Room -1.012 Thu, 20.04.2017, 14-16h, Room -1.012 Tue, 02.05.2017, 16-18h, Room -1.012 Thu, 04.05.2017, 14-16h, Room -1.012 Mon, 08.05.2017, 14-16h, Room -1.012 Tue, 09.05.2017, 16-18h, Room -1.012 Thu, 11.05.2017, 14-16h, Room -1.012 Tue 16.05.2017, 16-18h, Room -1.012 Thu, 18.05.2017, 14-16h, , Room -1.012 Mon, 22.05.2017, 14-16h, Room -1.012 Mon, 29.05.2017, 14-16h, Room -1.012 Tu, 30.05.2017, 16-18h, Room -1.012 Do, 01.06.2017, 14-16h, Room -1.012</p> <p>Laboratory Fri, 12.05.2017, 13-16h, Room 2.011 Fri, 26.05.2017, 13-16h, Room 2.011 Fr, 02.06.2017, 13-16h, Room 2.011</p>		
Course Description	<p>This course provides a basic understanding of structure and the molecular functions of the different components of eukaryotic cells. Topics include methods for studying cells, the structure and function of cell organelles, and analyses of cellular processes. Lectures will introduce the molecular biology of the cell and the regulation of cellular processes. Emphasis is placed on endocytosis, exocytosis, intracellular transport, protein sorting, protein trafficking, protein targeting, cell motility, cell-to-cell interaction, and gene expression. Several lectures are devoted to cell fate specification during embryonic development, address how functional tissues and organs in multicellular organisms are formed, and how dysfunction of cells contributes to disease. Classes are centered on Problem Based Learning (PBL) and discussion-oriented lectures with active participation by students. Laboratory exercises focus on basic concepts of molecular cell biology and microscope techniques. Students learn techniques of light microscopy and principles of transmission electron microscopy, and study structural aspects by viewing prepared microscope slides and related electron micrographs. Laboratory exercises also include classical cell biology experiments.</p> <p>Upon completion of this course, students will demonstrate a comprehensive understanding of the structure and molecular function of living cells.</p>		
Remarks	Participation in all laboratory sessions is mandatory.		

7.4 Study Area: Governance

Introduction to Governance (Foundational Year)			
Course Number	00LE62V-LAS-GO0001, 00LE62S-LAS-GO0001	Teaching Period	Block III
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Introductory Module: Thought and Research in the Area of Governance	Module(s) (StuPo 2015)	Introduction to Governance
Open to Students	Year(s) 1, (2)	Max. Enrollment	75
Prerequisites	none		
Instructor(s)	Dr. Liudmila Mikalayeva (mikalayeva@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Plenary Sessions: 18.04.-02.06 Mon, 16-18h, room tba (please see HISiOne in the week before the course starts) Tue, 16-18h, room tba (please see HISiOne in the week before the course starts)</p> <p>Workgroups: WG1: Thu, 14-16h, BT 107 WG2: Thu, 16-18h, BT 107 WG3: Thu, 16-18h, BT 105</p> <p>Additional Dates: 19.04., 16-18h, KG 1098 03.05., 16-18h, HS Weismann-Haus (Albertstr. 21a)</p> <p>Examination: 01.06. 16-18h, HS Pharmazie</p>		
Course Description	<p>This course will acquaint you with central topics in the study of how human communities govern themselves, give you the appropriate vocabulary to discuss them, and prepare you to understand what ways of presentation, explanation and argumentation are judged acceptable by governance scholars' community.</p> <p>The course is taught in two formats: Plenary sessions are designed as interactive lectures, based on home readings, and cover six major topics in the area of governance:</p> <ul style="list-style-type: none"> • social contract (How do people come to live together in a state in the first place, according to philosophers?), • collective action (How do people behave in groups and why?), • democracy (What are the types of it and which type is realized today?), • politics and administration (What is the role of the trained state officials in a political system based on elections?), • agenda-setting (How and why do some issues are acted upon at the political level while other important topics are neglected?), and • forecasting (How can we know about the future of socio-political systems and issues?). <p>Work groups (20-25 students) provide a setting for guided group work and will require active engagement with the content material discussed in plenaries and intellectual skills (interpreting the visuals, working with definitions, understanding political humour, taking part in multilateral negotiations, evaluating arguments and proposals). Group</p>		

	<p>work will rely on home preparation based on exercises.</p> <p>In this course we will use media (images and video) and interactive learning methods (simulation) to make sense of theoretical concepts presented in readings.</p> <p>Course requirements: Your performance will be assessed by quizzes in the second, fourth, and sixth week of teaching, a short written assignment (due in the fifth week), and a written exam (June 1, 16-18).</p>
Remarks	<p>Students intending to take the Major Governance must take this Introduction in their first year. This course is the prerequisite for all advanced courses in Governance.</p> <p>The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>

Islam and Politics			
Course Number	00LE62S-LAS-GO0003	Teaching Period	Block III
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance I or II, Specialization Option: Law, Politics, Administration, Elective module (Joker)	Module(s) (StuPo 2015)	Advanced Governance I or II, Specialization Option: Governance I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Prof. Dr. Tim Epkenhans (tim.epkenhans@orient.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 18.04.-02.06.: Tue, 09-12h, AU 01036a Thu, 09-12h, AU 01036a		
Course Description	<p>The course discusses formations of political Islam in the 20th and 21st century as well as the politics of modern Islamic political movements in the Middle East, Central Asia, and Southeast Asia. Several interconnected questions will be addressed: The complex interaction between Islam (i.e. 'Islamic' concepts of political & social order), the state and society as well as the impact of nationalism, (post-)colonialism, gender, democracy and globalization on religious debates.</p> <p>The course explores these questions from a comparative perspective drawing on scholarship from Islamic studies, political science, anthropology and history. The class is designed as a seminar (Tuesdays and Thursdays from 9am to 12am) in which the relevant sources (in English translation), literature and case studies will be discussed and presented within three topical student groups: "governance", "society" and "academia". Each group should analyze and present their interpretation of the reading assignments and case studies through their topical lens (the "governance" group, for instance, could focus political and security implications, the "society" group on civil society issues and the "academia" group on relevant academic approaches to a given topic).</p> <p>During the Tuesday sessions, we discuss case studies based on the sources & literature given in the syllabus. During the Thursday sessions, the students work within their topical groups.</p> <p>Introductory reading: Peter Mandaville (2014). Islam and Politics. London/New York: Routledge (available in the UCF Reading Room).</p> <p>Courses requirements: To receive 6 ECTS, you should attend classes (attendance is mandatory), actively participate in the topical student groups throughout the entire course, and write an essay on a relevant topic with approximately 2,500-3,000 words (due on 30 June 2017).</p> <p>Each topical student group has to prepare a presentation on a specific topic. In form and content, the presentation should resemble a policy briefing.</p>		
Remarks	Governance students taking the course for the Major have priority over other students.		

Methods of Political Science: Quantitative Research on Authoritarian Regimes			
Course Number	00LE62S-LAS-GO0029	Teaching Period	Block III
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Qualitative and Quantitative Methods, Specialization Option: Law, Politics, Administration, Advanced Governance III Elective module (Joker)	Module(s) (StuPo 2015)	Qualitative and Quantitative Methods, Specialization Option: Governance I or II, Advanced Governance III, Elective module (Joker)
Open to Students	Year(s) (2), 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance, preferably Comparative Politics		
Instructor(s)	Dr. Elina Schleutker (elina.schleutker@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 18.04.-02.06.: Mon, 14-16h, KG 1032 Tue, 14-18h, KG 1023		
Course Description	<p>This course is designed for advanced (third- and fourth-year) students, who would like to learn more about the application of quantitative methods to political science data. The topical focus of the course is authoritarian regimes, which means that in addition to the literature on methods, we will read some articles about authoritarian regimes. In addition, the data that is used in the course is related to the different aspects of authoritarian governance.</p> <p>As for the methods, the course covers the following topics: Measures of centrality and dispersion, measures of correlation, bivariate and multiple linear regression, statistical significance. Concerning the research design, we will discuss, for example, how to apply theories, how the results should be presented, what the structure of a research paper should be, and how to deal with problems related to missing data and data availability. Throughout the course we will use both MS Excel (or a similar program) and R (we will start from scratch, so you do not have to worry if your skills in R are a bit rusty).</p>		
Remarks	Governance students taking this course for the modules Qualitative and Quantitative Methods and Advanced Governance III will have priority over other students.		

7.5 Study Area: Culture and History

Culture as a Topic of Academic Inquiry			
Course Number	00LE62S-LAS-CH0011	Teaching Period	Block III
Study Area(s)	Culture and History only (not open as Electives)	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture as a Topic of Academic Inquiry	Module(s) (StuPo 2015)	Culture as a Topic of Academic Inquiry
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Culture and History		
Instructor(s)	Dr. Matthias Moeller (matthias.moeller@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 18.04.-02.06.: Mon, 14-16h, AU 01036a Tue, 14-16h, AU 01036a Thu, 14-16h, AU 01036a		
Course Description	<p>In many academic disciplines, from ethnology to history, from sociology to folklore studies, culture is at the very center of research. In neighboring fields of the humanities too, the term is central to many scholarly debates.</p> <p>This course starts with an overview of different approaches and definitions: what is being called 'culture' from different points of view? What are the underlying definitions and understandings? And how can we work with the term in an academic way?</p> <p>We will then dive into two contemporary academic fields that emphasize two crucial but opposite ways of the dealing with culture:</p> <ul style="list-style-type: none"> • British Cultural Studies which emphasizes creative appropriation in everyday life. • Critical Theory, esp. the Frankfurt School, which emphasizes constraining determination. <p>From these two angles we will examine, read about, and discuss topics like: belonging and identity; taste and distinction; memory and remembrance; oppression and power; resistance and subversion; the uses of media.</p>		
Remarks			

8 Courses Offered in Block IV

8.1 Study Area: Core

Positive Leadership			
Course Number	00LE62S-LAS-CO0029	Teaching Period	Block IV
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Vision & Leadership, Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Dr. Markus Strauch (markus.strauch@web.de)		
Format, Dates, Times and Rooms	Seminar 19.06.-28.07.: Tue, 14-18h, AU 01036a Thu, 14-16h, AU 01065		
Course Description	<p>This course aims at giving students both academic insights and applicable skills in the area of positive leadership (PL). Focusses of this human paradigm of leadership are a) the ability to be aware of one's own strengths as a leader (leading self), b) to connect with, to engage and motivate people you work with appealing to their strengths and passions (leading others) and, c) to design strengths-based working environments (leading organizations).</p> <p>After successfully participating in this course you will be able to: a) describe and explain the basics of the positive psychology and positive leadership paradigm and refer them to the social and professional world b) be aware of their own signature strengths and put them into action, c) spot the strengths of other people and formulate suggestions to realize them in action and d) critically evaluate working environments with regard to positive leadership and formulate ideas for designing them with regard to strengths-flourishing and well-being.</p>		
Remarks	Course starts in the 2nd week of Block IV.		

When Culture meets Language: Issues of Representation, Performance and Mediation			
Course Number	00LE62S-LAS-CO0022	Teaching Period	Block IV
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture and Communication, Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Esteban Acuña Cabanzo (estebanacav@gmail.com)		
Format, Dates, Times and Rooms	Seminar 12.06.-29.07.: Tue, 10-12, AU 01042 Thu, 08-12, AU 01042		
Course Description	<p>The seminar is designed as an approximation to the creation of meaning in daily life. Relying on insights from pragmatics, linguistic and cultural anthropology, Cultural, Media and Performance Studies; the course deals with the multiple approaches that have been developed to comprehend quotidian linguistic and cultural practices. The main objective of the course is to build the ground for a critical and reflective perspective on how communication occurs in everyday settings.</p> <p>In its introductory phase, the seminar focuses on: a) language and b) culture as contested concepts that need to be historicized and situated before being introduced in the course. The seminar will then tackle the overlapping histories and interests of scholars that deal with the intersection of linguistic and cultural practices in daily life. For this purpose, it will present three concepts which have been particularly useful to comprehend these interrelations: representation, performance and mediation.</p> <p>This approach takes particular attention to the power structures that underlie said phenomena, as well as to the importance of their intersections with other categories of analysis, such as gender, class, race, ethnicity, age, ability, etc. In order to apply said theoretical insights, current moments where "language meets culture" will be analyzed through various ethnographic exercises during and beyond the sessions. These will allow for a grounded approach to the complementary theoretical lectures and reflections.</p>		
Remarks			

8.2 Study Area: Earth and Environmental Sciences

Introduction to Earth and Environmental Sciences (Foundational Year)			
Course Number	00LE62V-LAS-EE0001 00LE62S-LAS-EE0001	Teaching Period	Block IV
Study Area(s)	Earth and Environmental Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Introductory Module: Thought and Research in the Area of Earth and Environmental Sciences	Module(s) (StuPo 2015)	Introduction to Earth and Environmental Sciences
Open to Students	Year(s) 1, (2)	Max. Enrollment	50
Prerequisites	none		
Instructor(s)	Dr. Sabine Sané (sabine.sane@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Lecture 12.06.-29.07.: Mo 10-12h, KG 1016</p> <p>Workgroups WG1 (takes place if needed only) Wed 8-12h, AU 01042 Thu, 14-16h, AU 01042</p> <p>WG2 Wed 8-12h, AU 01036a Thu, 14-16h, Ph HS3</p>		
Course Description	<p>Many stores in Germany stopped selling plastic bags. But is it really better for the environment to use paper instead of plastic? Questions like this are often discussed in everyday life. In this course we will analyze these questions in a scientific manner by exploring the broad field of the Earth and Environmental Sciences. Thereby, you will also get to know the basics behind this discipline. We will focus on sustainability by engaging with the environmental, social and economic dimensions of it. You will get introduced to methods used to quantify the sustainability of products, activities and processes which will enable you to analyze decision-making processes towards more environmental sustainability in an academic manner.</p> <p>Furthermore, you will discover research methods used in Earth and Environmental Sciences through practical work. This will introduce you further to the great variety of fields the Earth and Environmental Sciences tackle.</p>		
Remarks	<p>You will get informed about the exact dates latest on the 1st day of the course (e.g. courses may not start each Wednesday at 8:15h). However, until then, do not plan anything throughout the timeframe indicated in the course catalog.</p> <p>The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>		

8.3 Study Area: Life Sciences

Biochemistry			
Course Number	00LE62S-LAS-LS0002	Teaching Period	Block IV
Study Area(s)	Life Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Biochemistry	Module(s) (StuPo 2015)	Biochemistry
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences		
Instructor(s)	Prof. Dr. Thorsten Friedrich (friedrich@bio.chemie.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 12.06.-29.07.: Mon, 14-16h, Room 09.020 Tue, 14-16h, Room 09.020 Thu, 14-16h, Room 09.020 Chemistry Tower, Albertstr. 21, 9th floor		
Course Description	<p>Leaves change their color in autumn. Food is preserved in a refrigerator. A gecko has the ability to walk up walls and along ceilings. Have you ever asked yourself why this happens? The answer to all this is chemistry. Chemistry is the science dealing with the nature of substances and their interconversion. It plays a predominant role in our daily life including things as simple as lighting a match and as complex as the development of an anti-cancer drug. Chemistry pervades much into the life sciences. In fact, a biologist understands what is going on in a cell only based a profound knowledge in chemistry. Our body is a bag full of chemicals. The proteins that form our hair and muscle fibers are chemicals, our bones and teeth are made up of chemicals, what we eat and drink are chemicals. Everything that we see around us is chemistry in action, a collection of an unthinkable quantity of atoms. Chemistry tells us how atoms react with each other to form larger substances and how these substances in turn react to form new substances. There are a few basic principles behind the way, how the larger substances are made and how they behave.</p> <p>This lecture will deal with the fundamental topics of general, organic and biological chemistry. After a general introduction we will have a look at the structure of atoms and the arrangement of electrons in atoms. We will then discuss how bonds lead to the formation of molecules and how this influences the threedimensional shape of molecules. This will be the basis for understanding the function of biochemical compounds. With that in mind we will move a step further and get a first glimpse on chemical reactions in order to describe a chemical equation. To fully understand whether a reaction can proceed, we will then discuss the energy of a chemical system and the rate of reactions. After a brief introduction into the acid/bases concepts the lecture will provide an overview of organic chemistry to define classes of substances, functional groups and general reactivity. In addition, the four major classes of molecules that are involved in the chemistry of a living cell will be discussed, namely carbohydrates, lipids, amino acids and their polymers, proteins, as well as nucleic acids and their polymers, DNA and RNA. Finally, the metabolic pathways that convert energy within our body will be introduced summarizing the relation between catabolic and anabolic pathways.</p>		
Remarks			

Introduction to Life Sciences (Foundational Year)			
Course Number	00LE62V-LAS-LS0001, 00LE62S-LAS-LS0001	Teaching Period	Block IV
Study Area(s)	Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Introductory module: Thought and Research in the Life Sciences	Module(s) (StuPo 2015)	Introduction to Life Sciences
Open to Students	Year(s) 1, (2)	Max. Enrollment	65
Prerequisites	none		
Instructor(s)	Dr. Simon J. Büchner (buechner@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Lecture 12.06.-29.07.: Mon, 16-18h, KG 1009</p> <p>Workgroups WG1 Tue, 14-16h, KG 1139 Thu, 14-16h, KG 1231 WG2 Tue, 14-16h, KG 1032 Thu, 14-16h, BT 107 WG3 Tue, 16-18h, KG 1139 Thu, 16-18h, KG 1231 WG4 Tue, 16-18h, KG 1032 Thu, 16-18h, BT 107 WG5 (may be cancelled) Tue, 18-20h, KG 1034 Thu, 18-20h, BT 107</p>		
Course Description	<p>The course will cover basic concepts in the Life Sciences. In particular, it will focus on the biological and psychological systems that sustain a human being and allow him or her to deal with a complex environment. This includes interaction with the environment, sensation and cognition, physiological systems, and the functioning of cells. Besides the structures and processes that make up these systems, you will learn about methods from the Life Sciences that are employed to investigate these systems.</p> <p>In Work Groups, you will research, present and discuss challenges from the fields of Cell Biology, Physiology, Neurobiology and Psychology. For this, we will employ the problem-based learning (PBL) method. In PBL students are provided with short descriptions of problems or cases, e.g. the description of a patient showing particular symptoms. In the pre-discussion the group discusses the problem; students share their knowledge they already have with respect to the topic in question and agree on what they still need to find out in order to assess the problem. In the post-discussion during the following meeting students bring together what they have researched and discuss the problem again in the context of the knowledge they have collected. More information on PBL will be provided during the first work group meeting.</p>		
Remarks	The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.		

8.4 Study Area: Governance

International Relations and Institutions			
Course Number	00LE62S-LAS-GO0034	Teaching Period	Block IV
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance I or II, Elective module (Joker)	Module(s) (StuPo 2015)	International Governance, Political Science, Advanced Governance I or II, Elective module (Joker)
Open to Students	Year(s) 2, (3, 4)	Max. Enrollment	22
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Liudmila Mikalayeva (mikalayeva@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 12.06.-29.07.: Tue, 08:30-11:30h, AU 01036a Thu, 08:30-11:30h, AU 01036a		
Course Description	<p>This course focuses on different conceptual approaches to the understanding and analysis of international relations (IR) and institutions. We focus on the level of theory and compare powerful „mythology“ behind various IR theories, such as realism, idealism, constructivism, gender perspective, environmentalism, and globalization. The focus is therefore not on the „facts“ of the international relations, but on the different ideological foundations of IR theories, seen as worldviews. The course is based on the textbook by C. Weber „International Relations Theory. A Critical Introduction“ and uses the method of artistic illustration to grasp the powerful beliefs about man, nature, society, politics, and the relationships between them undergirding IR theories. For each theory considered in the course we will watch a popular fiction film, which illustrates these fundamental beliefs behind theories. The course will therefore require analytic rigor, but also creativity and intellectual flexibility.</p> <p>Course structure: Each week of the course will focus on one major IR theory, with the concluding week spent in an intense discussion and synthesis.</p> <p>Course requirements: Students are required to attend class and actively participate in the discussion and group work. The examination in the course consists of a presentation (incl. a detailed handout), a review of a handout, and an analytical paper (due on August 4).</p> <p>Course audience: The course is aimed mainly at second year Governance students, but is equally open to senior students of Governance and other Majors. Senior students will not have priority in this course.</p>		
Remarks	<p>Second year Governance students are strongly encouraged to complete the module „Political Science“ by taking this course OR the semester-long course „Comparative Politics“.</p> <p>Second-year Governance students should take this course for the module „Political Science“ or „International Governance“.</p>		

8.5 Study Area: Culture and History

History of the Senses: The Eye or the Ear			
Course Number	00LE62S-LAS-CH0017	Teaching Period	Block IV
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture and History up to the Early Modern Period, Advanced Culture and History I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Culture and History up to the Early Modern Period, Advanced Culture and History I, II or III, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Culture and History		
Instructor(s)	Dr. Adam Hill (robertadamhill@gmail.com)		
Format, Dates, Times and Rooms	Seminar 12.06.-29.07.: Tue, 09-12h, AU 01065 Thu, 09-12h, AU 01065		
Course Description	This course will examine the extent to which the Reformation witnessed a sensory paradigm shift. Was it a transition from an age of the eye to an age of the ear, or was it in fact just the opposite? How and why did attitudes about the function of the senses change during the transition from the late medieval period to the early modern? Growing literacy rates, the rapid growth of the printing industry, and the pan-European absorption of the artistic methods of the Italian Renaissance would suggest that the sense of sight was dominant during the 16 th century. However, the whitewashing of church interiors, the growing popularity of sermons, and the emergence of change-ringing in England, might alternatively imply that hearing was the prevailing sense of the age.		
Remarks			

8.6 Study Area: Multiple

Ecology - From Genetic Adaptations to Communities			
Course Number	00LE62S-LAS-LSEE0005	Teaching Period	Block IV
Study Area(s)	Earth and Environmental Sciences, Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Ecology, Advanced Life Sciences I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Ecology Advanced Life Sciences I, II or III, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	Dr. Volker Nehring (volker.nehring@biologie.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 12.06.-29.07.: Tue, 08-13h, KS 3 Zoologie (Institut für Biologie I, Hauptstrasse 1) Thu, 08-12h, KS 3 Zoologie (Institut für Biologie I, Hauptstrasse 1) Extra dates tba (possibly 07.07)		
Course Description	<p>All biological processes are affected by ecological interactions, and so are we as humans, part of a complex global network. The course is designed to advance the students' understanding of how ecosystem changes affect us and vice versa. We will focus on different levels of biotic entities, from communities (community ecology, biodiversity, population dynamics, urban ecology) through interactions of individuals with their environment (sensory ecology, optimal foraging, social evolution, species interactions). We will also cover the fundamental evolutionary processes that underlie all patterns we observe in nature.</p> <p>The course will have a strong practical emphasis requiring students to discuss published research, but also to conduct and present their own experiments.</p>		
Remarks			

9 Semester long Courses

9.1 Study Area: Core

Ignorance, Uncertainty and Non-Knowledge (Cooperative seminar with FRIAS lunch lectures)			
Course Number	00LE62S-LAS-CO0031	Teaching Period	university semester
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Knowledge in Context, Elective module (Joker)	Module(s) (StuPo 2015)	Science in Context, Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	10 LAS, 10 other degree programs
Prerequisites	none		
Instructor(s)	Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Thu, 12-14h, KG 1142		
Course Description	<p>What it is that we don't know, and that maybe we will never know? Or: that we don't know yet? Or: that we don't even know yet that we don't know? Or: that we don't want, or should not want, to know? Or: that we are not supposed to know? And in the latter case: who then is it who doesn't want us (academics, ultimately society) to know?</p> <p>This seminar has two components: First, it takes us through some classical and some recent STS readings (most of them in English, some of them in German language) regarding the handling of ignorance, uncertainty and not-knowing in the sciences. Second, we will attend the FRIAS lunch lectures every second week and discuss each of them afterwards. In this lecture series, covering a highly diverse set of academic disciplines and research cultures, FRIAS Fellows will address questions relevant for shedding light on ignorance and uncertainty, touching upon ethical, political, economic, and social aspects. Students submit a 12-15-page-essay as a Prüfungsleistung within 6 weeks after the end of the seminar.</p> <p>Recommended Readings:</p> <ul style="list-style-type: none"> Gross, Matthias (2010): Ignorance and Surprise. Science, Society, and Ecological Design. MIT Press: Cambridge/London Proctor, Robert/ Schiebinger, Londa eds. (2008): Agnotology. The Making and Un-making of Ignorance. Stanford University Press: Stanford 		
Remarks			

Dealing with Numerical Information (Foundational Year)							
Course Number	00LE62V-LAS-CO0005, 00LE62S-LAS-CO0005	Teaching Period	university semester				
Study Area(s)	Core	Credit Points	6 ECTS				
Module(s) (StuPo 2012)	Numerical Literacy	Module(s) (StuPo 2015)	Dealing with Numerical Information				
Open to Stu- dents	Year(s) 1, (2)	Max. Enroll- ment	90				
Prerequisites	none						
Instructor(s)	Dr. Sebastian Gehart (sebastian.gehart@ucf.uni-freiburg.de) and Dr. Simon Büchner (buechner@ucf.uni-freiburg.de)						
Format, Dates, Times and Rooms	<p>Lecture 24.04.-29.07.: Mon, 08-10h, KG 2121</p> <p>Workgroups</p> <table> <tr> <td>WG1 Tue, 12-14h, AU 01065 Thu, 12-14h, BT 201</td> <td>WG2 Wed, 10-12h, AU 01065 Thu, 12-14h, AU 01065</td> </tr> <tr> <td>WG3 Wed, 12-14h, AU 01036a Thu, 18-20h, KS 1140</td> <td>WG4 Wed, 16-18h, AU 01065 Fri, 10-12h, AU 01065</td> </tr> </table>			WG1 Tue, 12-14h, AU 01065 Thu, 12-14h, BT 201	WG2 Wed, 10-12h, AU 01065 Thu, 12-14h, AU 01065	WG3 Wed, 12-14h, AU 01036a Thu, 18-20h, KS 1140	WG4 Wed, 16-18h, AU 01065 Fri, 10-12h, AU 01065
WG1 Tue, 12-14h, AU 01065 Thu, 12-14h, BT 201	WG2 Wed, 10-12h, AU 01065 Thu, 12-14h, AU 01065						
WG3 Wed, 12-14h, AU 01036a Thu, 18-20h, KS 1140	WG4 Wed, 16-18h, AU 01065 Fri, 10-12h, AU 01065						
Course Description	<p>The course introduces students to working with numerical data in a scientific and non-scientific context. Students procure basic theoretical and practical knowledge of probability theory, descriptive and inferential statistics, and learn about collecting and visualizing data. Basic theoretical knowledge of probability theory and descriptive and inferential statistics are presented during lectures and practiced in exercise tutorials. The acquired knowledge is then placed in context, discussed and applied in workgroups and software tutorials using the R software for statistical computing and graphics.</p>						
Remarks	<p>The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>						

Faszination Wissenschaft: Was ist Komplexität?			
Course Number	00LE62S-LAS-CO0032	Teaching Period	university semester
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Action, Rationality and Responsibility Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	12 LAS students, 13 other degree programs
Prerequisites	Fluency in the German language (course is taught in German)		
Instructor(s)	PD Dr. Fausto Fraisopi (fausto.fraisopi@philosophie.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 10-12h, BT 102 Additional dates tba: 1) Sitzung Forschungslandschaft 2) Abschlussitzung Faszination Wissenschaft		
Course Description	Was genau bedeutet das Wort „komplex“ bzw. „Komplexität“? Wie genau können wir die Komplexität verstehen und uns in der Komplexität unserer Zeit orientieren? Probleme wie „Klimawandel“, „Sozio-ökonomische Krisen“, „Migrationen“, „Biosysteme“, usw. können nicht mit den begrifflichen Werkzeugen des disziplinären Wissens betrachtet werden und fragen nach einer neuen forma mentis, einer neuen Denkart, die ermöglicht, dass sich die Disziplinen, die Modelle miteinander kreuzen und verschmelzen, um eine globale Perspektive über gewisse entscheidende Probleme zu bekommen. Dieser Kurs will zeigen, wie genau das Problem der Komplexität aufgefasst werden kann und wie wir zu komplexen Problemen und komplexen Phänomenen unserer Zeit einen wissenschaftlichen Zugang haben können.		
Remarks			

Living Knowledge. Practise and Reflection of Qualitative Methods (Foundational Year)											
Course Number	00LE62V-LAS-CO0028, 00LE62S-LAS-CO0028	Teaching Period	university semester								
Study Area(s)	Core	Credit Points	6 ECTS								
Module(s) (StuPo 2012)	Knowledge in Context	Module(s) (StuPo 2015)	Knowledge in Context								
Open to Students	Year(s) 1, 2, (3)	Max. Enrollment	160								
Prerequisites	none										
Instructor(s)	Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de) Dr. Nicholas Buchanan (nicholas.buchanan@ucf.uni-freiburg.de)										
Format, Dates, Times and Rooms	<p>Lecture 24.04.-29.07.: Wed, 14-16h, KG 3219</p> <p>Workgroups</p> <table border="0"> <tr> <td>WG1 Mon, 12-14h, AU 01036a (for 1st years only)</td> <td>WG2 Mon, 12-14h, AU 01065 (for 1st years only)</td> </tr> <tr> <td>WG3 (if an additional workgroup is needed only) Thu, 16-18h, Ph HS2</td> <td>WG4 Thu, 16-18h, AU 01036a</td> </tr> <tr> <td>WG5 Thu, 18-20h, Ph HS2</td> <td>WG6 Thu, 18-20h, Ph HS1</td> </tr> <tr> <td>WG7 Fri, 08-10h, AU 01036a</td> <td>WG8 Fri, 08-10h, AU 01065</td> </tr> </table>			WG1 Mon, 12-14h, AU 01036a (for 1st years only)	WG2 Mon, 12-14h, AU 01065 (for 1st years only)	WG3 (if an additional workgroup is needed only) Thu, 16-18h, Ph HS2	WG4 Thu, 16-18h, AU 01036a	WG5 Thu, 18-20h, Ph HS2	WG6 Thu, 18-20h, Ph HS1	WG7 Fri, 08-10h, AU 01036a	WG8 Fri, 08-10h, AU 01065
WG1 Mon, 12-14h, AU 01036a (for 1st years only)	WG2 Mon, 12-14h, AU 01065 (for 1st years only)										
WG3 (if an additional workgroup is needed only) Thu, 16-18h, Ph HS2	WG4 Thu, 16-18h, AU 01036a										
WG5 Thu, 18-20h, Ph HS2	WG6 Thu, 18-20h, Ph HS1										
WG7 Fri, 08-10h, AU 01036a	WG8 Fri, 08-10h, AU 01065										
Course Description	<p>This course introduces students to a broad consideration of knowledge in its historical, social, political and practical contexts. Drawing on work in the history, anthropology and sociology of knowledge, the course addresses knowledge production and circulation beyond academia, as well as knowledge transfers in and across professional fields, educational systems, regions, cultures, and knowledge regimes. It aims at fostering reflection about questions such as "What counts as knowledge? What has counted as knowledge in previous centuries? What is (or what was) the relationship between scientific knowledge and knowledge that is (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?" It 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.</p> <p>In addition to this focus on knoweldge, this course is also designed to provide basic insights into, and first experiences with, qualitative methodologies (as complementary to quantitative methods, the basics of which were provided in Dealing With Numerical Information).</p> <p>The course consists of two parts. In the weekly lecture, we will discuss historical and contemporary examples along with theoretical perspectives, such as social constructivist or cognitive theories. In the workgroups, students are trained to do ethnographic studies (e.g. interviews and participatory observation), broadly dealing with knowledge experiences in every day life.</p>										
Remarks	<p>LAS students should complete the module Knowledge in Context in their first year or if they take languages in their second year. For LAS students who started their degree in 2015 or 2016, we do not guarantee places in a course for this module at a later stage during their studies. The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>										

Perspectives on Science			
Course Number	00LE62S-LAS-CO006, 00LE62V-LAS-CO006	Teaching Period	university semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Theories of Knowledge	Module(s) (StuPo 2015)	Theory of Science
Open to Students	Year(s) 2, 3	Max. Enrollment	100
Prerequisites	none		
Instructor(s)	Prof. Dr. Wolfgang Freitag (wolfgang.freitag@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Lecture 24.04.-29.07.: Mon, 12-14h, KG 3219</p> <p>Workgroups WG1 Thu, 16-17h, KG 1021 WG2 Thu, 17-18h, KG 1021 WG3 Fri, 10-11h, KG1228 WG4 Fri, 11-12h, KG1228</p>		
Course Description	<p>This course offers a meta-disciplinary approach to the concept of science and to different sciences. We explore the rise of modern science and the relation, or relations, between science and religion. We introduce the concepts of scientific explanation, confirmation, theory change, and scientific revolution. We will also deal with the problem of induction, explain principles of inductive logic, and discuss the interpretation of probability and statistics. Based on the notions introduced, we will exemplarily investigate major developments in different scientific fields such Physics, Biology, and History. The course consists of a series of lectures accompanied by weekly tutorials.</p>		
Remarks	<p>StuPo 2015 students should complete the module Theory of Science in their second year or if they take languages in their third year.</p> <p>The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.</p>		

9.2 Study Area: Earth and Environmental Sciences

Field Excursions			
Course Number	00LE62S-LAS-EE0007	Teaching Period	university semester
Study Area(s)	Earth and Environmental Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Observing Nature	Module(s) (StuPo 2015)	Observing Nature
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	15
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	Dr Sabine Sané, Dr. Eckart Stein (sabine.sane@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Excursions approx. 9-17h (approx. 7h, exact times tba) 12.05.2017, 19.05.2017, 16.6.2017, 23.6.2017, 30.6.2017, 14.7.2017, 21.7.2017 Alternative days e.g. in case of extremely bad weather: 07.7.2017, 28.7.2017		
Course Description	<p>This course will take place in form of seven field excursion to different areas close to Freiburg during the whole summer semester. We will explore geological and geomorphological features, their related processes (e.g. rock and soil formation, weathering) and natural phenomena (e.g. soil erosion). Thereby, you will additionally get an overview on fundamental techniques and methods of their analyses and documentation. Furthermore, you will get introduced to the vegetation science by using qualitative and quantitative methods. You will learn how to identify plants and plant societies in different areas with different conditions and how these conditions affect plant societies. Furthermore, you will be able to quantify the biodiversity of different areas and to analyze the reasons behind it. You will also practice orienting in the field using topographic maps.</p> <p>The course provides hands - on experience in the determination and documentation of different types of rocks, geological features and vegetation characteristics using various techniques e.g. vegetation identification keys, hand lens, geological compass, geologic profiles and topographic/geologic maps. Different rock types will be analyzed and classified according to actual geological observations and interpretations. One field trip will lead us to an outcrop, which exposes clastic sediments. We will describe all visible geological features and will try to reconstruct its sedimentological history and its paleo- environmental conditions (facies analysis). Another field trip introduces us to chemical sediments. Again we will get to know different rock types of the same lithology, which are due to different depositional and different climate conditions during sedimentation. A third outcrop will provide us with metamorphic rocks which, nevertheless tells us a story of a hazardous event next to Freiburg, but hundreds of million years ago. From all these different outcrops we will get insight to different lithologies but also to very different paleo- environmental, paleo- climatic and paleo- biological conditions. After we have reconstructed parts of the very old history of the Freiburg area, we will combine that knowledge with the today's landscape and its development through time. The characterization of vegetation will be conducted in three different and very divers locations, these will be the alpine vegetation on the Feldberg mountain, the vegetation on Schönberg and the Ruderal vegetation at Freiburg city. Different vegetation maps will be conducted to learn the basic techniques required to make evaluations about landscapes in respect to their vegetation.</p>		
Remarks	Consider the possibility to get a vaccination at the doctor for the tick borne encephalitis before the course. This is however not required to participate in the course.		

The Earth in the Universe			
Course Number	00LE62S-LAS-EE0006	Teaching Period	university semester
Study Area(s)	Earth and Environmental Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Evolution and Dynamics of the Planetary System	Module(s) (StuPo 2015)	Evolution and Dynamics of the Planetary System
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	Dr. Rolf Schlichenmaier (schliche@kis.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 16-18h, AU 01042 Wed, 16-18h, KG 1009 Excursion: 1.5 days tba		
Course Description	<p>In this course, students will get an overview on the astrophysical perspectives of life on Earth complemented by an insight into current research and hands-on experience in observation methods. The basic understanding of our universe (first part) will set the scene to review how the Earth is embedded in the universe and in our solar system and how this influences natural processes and phenomena on Earth (second part).</p> <p>After reviewing the history of mankind's view of the world, we will learn about the observational findings that led to the Big Bang Theory, and reflect the arguments why this theory might not be the final 'truth'. We will further deal with evolutionary tracks of stars (brown dwarfs, main sequence stars, red giant, supernovae, white dwarfs, neutron stars, black holes).</p> <p>The second part focuses on the Sun, being the major external influence to the Earth, and on our planets orbiting the Sun. This includes the processes of planet and star formation, properties of planets and other objects in our Solar system, the solar structure and its atmosphere. The generation of magnetic fields in the solar interior leads to magnetic phenomena at the solar 'surface' that greatly influence processes and life on Earth. We will discuss interactions between solar activity and Earth in terms of observable phenomena, space weather and solar influences on the Earth's climate including findings from current research.</p> <p>In addition to the lecture contents, practical classes are method-oriented and will deal with:</p> <ul style="list-style-type: none"> • Experiment to infer the distance between the Earth and the Sun (Astronomical Unit) by studying the characteristics of the solar rotation using public satellite data, and by means of a pinhole camera ('camera obscura') • Data analysis of spectroscopic data to study the plasma flow field on the solar surface: granulation & sunspots. <p>During a 1,5 day excursion to the solar observatory on the Schauinsland mountain (1240 m above sea level) operated by Kiepenheuer Institute of Solar Physics (www.kis.uni-freiburg.de) students will observe the sun during the day and stars at night by applying observation techniques learned in class and they will gather and analyze their own experimental data.</p>		
Remarks			

9.3 Study Area: Life Sciences

From Artificial Limbs to Electroceuticals: Neuroprostheses in Reality Check			
Course Number	00LE62S-LAS-LS0017	Teaching Period	university semester
Study Area(s)	Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Life Sciences I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Life Sciences I or II, Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	At least one course from the neurosciences		
Instructor(s)	Prof. Dr. Ulrich Hofmann (ulrich.hofmann@coregen.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Tue, 09-12h, KG 1021		
Course Description	<p>Neuroprosthetics is an exiting and emergent field of biomedical engineering at the cross-disciplinary intersection to neurosciences and robotics. It aims at developing devices to replace or augment non-functional sensory or motor paths of humans resulting from disease or trauma. Participants will be introduced to basic neuromedical concepts, and the targeted medical deficits, both needed to evaluate current clinical neuroprostheses and critically assess devices under development.</p> <p>You will gain well-funded knowledge on clinical applications and technologies and will have to face more biological and ethical aspects of these devices and treatment options as well. The format requires an active involvement by independent web-based information acquisition, oral presentation of findings, internet based reporting and scientific paper writing.</p>		
Remarks			

Genetics and Epigenetics			
Course Number	00LE62S-LAS-LS0018	Teaching Period	university semester
Study Area(s)	Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Life Sciences I or II, Specialization Option: Life Sciences I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Advanced Life Sciences I, II, or III, Specialization Option: Life Sciences I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Biochemistry, Cell Biology		
Instructor(s)	Dr. Ritwick Sawarkar (sawarkar@ie-freiburg.mpg.de) and Dr. Nicola Iovino		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Wed, 08-10h, KG 1034 Fri, 08-10h, KG 1034 Laboratory Sessions: Fri, 16.06, 13-17h, MPI Immunobiology and Epigenetics Fri, 30.06, 13-17h, MPI Immunobiology and Epigenetics		
Course Description	<p>How is my brother taller than my parents but I am not? If my parents have diabetes, then will I also get this disease when I grow older? If you are curious about these questions, then read further on. Whether you'd like to be a biologist, an epidemiologist or a public health professional, you must have a basic knowledge of genetics/epigenetics and how it applies to human health. This course will get you familiar with the fundamentals of genetics. Following topics will be covered during the course in the form of assignments, group discussions, debates, lab visit or students' presentations:</p> <ol style="list-style-type: none"> 1. Connecting genetics with human health 2. Principles of genetics: how were genes discovered? 3. What did we learn from model organisms? 4. Microbial genetics: importance in human pathogens and viruses 5. Plant and animal genetics: importance in economy 6. Molecular genetics: What is a gene at the chemical level? 7. Modern techniques in the study of genetics (Tentative Lab visit) 8. From genes to cells to tissues to organisms: integrating different levels 9. Can genetics explain it all? Nature vs. Nurture vs. Noise; Eugenics 10. Intro. to epigenetics: are there 'epigenes'? How do we study epigenetics? 11. Modern techniques in the study of epigenetics (Tentative Lab visit) 12. The importance of noise/ stochasticity/ randomness in biology 13. Genetic circuits and synthetic biology 14. Introduction to different genetic model systems: Drosophila, Dictyostelium, yeast, mouse 15. Hand-on lab work for experimental genetics and epigenetics 		
Remarks	Participation in all laboratory sessions is mandatory.		

Introduction to Neural Engineering			
Course Number	00LE62S-LAS-LS0012	Teaching Period	university semester
Study Area(s)	Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Life Sciences I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Advanced Life Sciences I, II, III Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences		
Instructor(s)	Prof. Dr. Thomas Stieglitz (Prof. Dr.-Ing. Thomas Stieglitz)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07. Mon, 17-19h, R 01 020C (Hermann-Herder-Straße 9) 3 additional dates on Friday afternoons (dates tba)		
Course Description	<p>Neural implants are technical devices that interface with parts of the nervous system to modulate or to restore functions by means of electrical stimulation. Success stories of neural implants include cochlea implants to restore hearing, spinal cord stimulators to treat pain and deep brain stimulators to suppress symptoms of Parkinson's disease. Many other applications are currently investigated in research studies. The course "Introduction to Neural Engineering" will introduce into the field from the scientific and technological as well as from the fiction and art point of view. What did literature and movies anticipate to the current state of the art in medical applications and how do current technological opportunities influence literature and cinema ? Fundamentals of neurophysiology and technology with respect to neural implants will be introduced to be able to participate in a discussion on challenges and opportunities of current and future applications. The participants have the opportunity to experience electrical stimulation in practical exercises. Societal perception of neural implants will be discussed based on articles, (science fiction) literature and movies. The course will conclude with a "reality check" of movie characters based on the knowledge of physiological processes and possibilities that technology is able to deliver.</p>		
Remarks	Participation in all extra sessions is mandatory.		

9.4 Study Area: Governance

Biopolitics			
Course Number	00LE62S-LAS-GO0030	Teaching Period	university semester
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance I or II, Specialization Option: Law, Politics, Administration Elective module (Joker)	Module(s) (StuPo 2015)	Advanced Governance I or II, Specialization Option I: Governance I or II, Elective module (Joker)
Open to Students	Year(s) (2 see below), 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Carol-Ann Galego (cagalego@gmail.com)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 16-18h, AU 01036a Wed, 16-18h, Ph HS 2		
Course Description	<p>This course is designed to introduce students to the philosophical study of biopolitics, a form of politics that strives to regulate the life processes of a population. According to the French theorist Michel Foucault, the historical development of disciplines such as statistics, epidemiology, and biology made it possible to analyze life processes on the level of the population and to thereby more effectively “govern” individual and collective life. The introduction of life expectancy tables and risk analysis, for example, facilitated state authorities' efforts to improve survival rates from infectious disease by targeting certain demographics with medical intervention. While such developments are often celebrated for increasing life expectancy and supporting rational decision-making in public health policies, the attempt to regulate the vitality of a population by fragmenting the population into various 'risk groups' has also been historically linked to eugenics and racism. As a result, one of the most enduring problems in the study of biopolitics is: how, if at all, can we discern between the use of biological and medical technologies that improve the duration and quality of life from those that systematically discriminate against certain segments of the population?</p> <p>We will engage with this 'biopolitical problem' as it is introduced by Foucault and then consider contributions from thinkers such as Hannah Arendt, Roberto Esposito, Giorgio Agamben, Michael Hardt and Antonio Negri. We will then explore how sociological perceptions of risk and risk analysis both support and undermine biopolitical forms of governing populations, drawing on the work of Ulrich Beck and Anthony Giddens. Throughout the course, biopolitical concepts will be elaborated with reference to historical and contemporary examples from the public health sector, such as those involved in efforts to manage infectious disease. Students can expect to develop new strategies for approaching controversial biopolitical issues in non-polarizing ways.</p> <p>Weekly readings will be provided online.</p> <p>Course requirements:</p> <p>Weekly preparation of readings and class discussion Graded seminar presentation and short seminar paper (750-1000 words) Pass/Fail paper proposal (750-1000 words), due June 7 Final Paper, due July 17</p>		
Remarks	Second year students can participate only upon request (contact the instructor).		

Comparative Politics			
Course Number	00LE62S-LAS-GO0028	Teaching Period	university semester
Study Area(s)	Governance (not open as Electives!)	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Comparative Government	Module(s) (StuPo 2015)	Political Science
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Elina Schleutker (elina.schleutker@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 10-12h, AU 01065 Wed, 10-12h, KG 1034		
Course Description	In this course we learn about political systems around the world from a comparative political science perspective. The course starts with an introduction to the different definitions of democracy. Thereafter we study political systems in democratic countries, and discuss, for example, horizontal and vertical separation of powers, electoral systems, political parties and party systems. The study on democratic countries is followed by a study of the authoritarian regimes. In particular, we discuss the differences between the authoritarian countries regarding the ruling elite, legitimacy claims, co-optation and repression.		
Remarks	Second-year Governance students are strongly encouraged to complete the module "Political Science" by taking this course OR the course "International Relations and Institutions" in Block IV.		

Law, State, Society			
Course Number	00LE62S-LAS-GO0033	Teaching Period	university semester
Study Area(s)	Governance, Electives for students of other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Law	Module(s) (StuPo 2015)	Law
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Stoyan Panov (stoyan.panov@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 18-20h, AU 01036a Wed, 18-20h, KG 1032		
Course Description	<p>The Law, State, Society course looks at the most fundamental legal concepts related to how society, the state and law interact. The course examines the relationship between law, society, governance and politics domestically, regionally and internationally. In this manner, an overview of legal principles that are applicable across supranational, transnational and international legal orders is achieved. The course commences with an examination of foundational legal techniques and theory of law by analyzing legal principles influenced by different theories such as natural law, legal realism, strict legal positivism, utilitarianism, feminism, cultural relativism, Marxism, and other. The practical aspect of how law regulates societies and the state are examined in details. Additionally, current topics, relevant for the constitutional framework of states, such as Brexit and the debate on tools of legal interpretations applied by domestic, regional and international judiciaries are analyzed in terms of their effect on society and individuals. The course also examines the authority of the state to regulate society and individuals and how different societal actors find networks or alliances across borders in order to affect the development of legal doctrines. Exercises in the course will include how law, society and the state function in reality by comparing diverse forms of law and governance, systems of law, legality, traditional approaches to law in domestic, regional and international legal orders. Topics such as non-discrimination, equality, the rule of law, equity will be analyzed in light of their influence on how the state and society develop and function. The emphasis is on how law interacts with contemporary public policy issues as a regulatory or value-based mechanism, and the impact of law on decision-making at different levels of governance as well as how societies and state affect the creation and development of the law.</p> <p>Form of evaluation and assessment: Pass/fail: Regular attendance of classes and active participation in group work and exercises. Graded exam: Written assignments, and/or presentations, and written exam.</p>		
Remarks	This course cannot be taken in parallel to or after completion of the course "Principles of Law".		

Principles of Law			
Course Number	00LE62S-LAS-GO0004	Teaching Period	university semester
Study Area(s)	Governance (not open as Electives!)	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Law	Module(s) (StuPo 2015)	Law
Open to Students	Year(s) 2, (3, 4)	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Stoyan Panov (stoyan.panov@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 16-18h, KG 1021 Wed, 16-18h, KG 1019		
Course Description	<p>The Principles of Law course provides a general introduction to basic and fundamental legal concepts. The course looks at the interplay between law, society, governance and politics. It is not exclusively structured on narrow examination and analysis of domestic legal systems but aims to provide an overview of legal principles that are also applicable across supranational, transnational and international legal orders. The emphasis is on the jurisprudential reasoning and applicability of principles of law governing legal relations. By examining primary legal materials and their interaction with contemporary public policy issues and dilemmas, students shall gain competence in reading and applying legal sources, and in understanding the impact of law on decision-making at different levels of governance. Students will analyse and master the logic, structure, applicability, and language of law and topics such as rights, obligations, responsibility, and immunities among others.</p> <p>Part I of the course deals with foundational legal techniques, jurisprudence and theory of law by analysing the differences and similarities of the approaches towards legal principles of Natural Law, Legal Positivism, Constructivism, Realism, Feminism and modern Critical Theories. Part II focuses on the institutions and principles of law such as non-discrimination, the rule of law, equality, reasonable expectations, legal certainty, constitutional and statutory approaches, common among various legal orders. Part III centers on the applicability of the legal principles and theory in reality by examining the relationship between law and policy-making in the realms of human rights law, civil law, and criminal law, and by comparing diverse forms of law, systems of law, legality, and legal orders.</p> <p>Upon successful completion of this course:</p> <ol style="list-style-type: none"> 1) Students should be able to understand, analyze and apply the main principles of law; 2) Students should be able to identify and interpret differences in the jurisprudential approach towards fundamental principles of various legal orders; 3) Students should be able to clearly use appropriate legal language; 4) Students should become aware of theoretical and practical problems in understanding the law and its main principles. <p>Form of evaluation and assessment: Pass/fail: Regular attendance of classes and active participation in group work and exercises. Graded exam: Written assignments, and/or presentations, and written exam.</p>		
Remarks	<p>The course is closed to students from other Majors.</p> <p>Second-year Governance students are strongly encouraged to take this course. Otherwise, please contact the Course coordinator. Module "Law" can also be completed by taking the course "Law, State, Society". These two courses cannot be taken in parallel.</p>		

Research Colloquium Governance			
Course Number	00LE62S-LAS-GO0031	Teaching Period	university semester
Study Area(s)	Governance (not open as Electives!)	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance I, II or III, Specialization Option: Law, Politics, Administration	Module(s) (StuPo 2015)	Advanced Governance I, II or III, Specialization Option: Governance I or II
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance, Theoretical Foundations and Hermeneutical Methods (StuPO 2012) or Theoretical and Philosophical Foundations of Social and Political Sciences (StuPO 2015)		
Instructor(s)	Dr. Liudmila Mikalayeva (mikalayeva@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Colloquium 02.05.-29.07.: Tue, 12-14h, AU 01036a Thu, 12-14h, AU 01036a		
Course Description	<p>This course aims at building students' competence in analyzing and evaluating academic research in the area of governance. To do so, it focuses on the standards and criteria of sound research, such as good research design, its rigorous realization, and precise and clear communication about the outcomes. The course will use different forms of reviews to introduce students to the expectations towards research on different levels of academic career: from bachelor-level work to the work of full professors. Exercises will engage students in evaluating and writing useful feedback on academic work in their area, so that academic writing skills will be honed.</p> <p>In the second part of the course I plan to include several guest presentations of current research, which will be discussed in the colloquium. Students will act as academic colleagues to the presenters and formulate questions and constructive feedback. Gaining tools for giving such feedback and being able to approach current research in a structured, critical, but constructive way is the major learning goal of the course.</p> <p>Course structure: The course starts on May 2 with fundamentals of research, moves to exercises on the evaluation and feedback and continues with student and guest presentations and discussion.</p> <p>Course requirements: Students are required to attend class and actively participate in the discussion, which is key component of this course. The examination in the course consists of a presentation (incl. a detailed handout) OR a detailed discussion of a presentation (incl. a detailed handout), and a detailed a review of an academic article or book (due on July 28).</p> <p>Course audience: This course is only open to advanced students (third- years and up). It will be particularly useful to students who plan to continue with a research master program or have an interest in academic research. The analytic skills gained in the course will also be useful for students interested in journalist, editor, and teaching careers.</p>		
Remarks	The course starts on May 2. Guest speakers will be regularly invited.		

Social Theory			
Course Number	00LE62S-LAS-GO0032	Teaching Period	university semester
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Theoretical Foundations and Hermenutical Methods, Advanced Governance I or II Elective module (Joker)	Module(s) (StuPo 2015)	Theoretical and Philosophical Foundations of Social and Political Sciences, Advanced Governance I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Gernot Saalman (gernotsaalman@yahoo.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-02.06.: Thu, 14-16h, BT 101 12.06.-29.07.: Mon, 14-16h, AU 01065 Thu, 14-16h, BT 101 Additional Dates Tue, 13.06., 14(ct)-16h, BT 207		
Course Description	<p>After a quick look at the reasons why sociology and other social sciences established themselves as a science, in the first sessions of the course a fruitful way to differentiate between three basic forms of sociological theories is explained. Objectivists concentrate on larger determinants like functions, structures or systems, whereas subjectivists take the perspective of the acting individuals and see how they built up social institutions. Relationists look at the relations between individuals and individuals and groups.</p> <p>The remaining part of the semester is spent with a closer look at major sociological theories (Marx, Weber, Durkheim, Simmel, Parsons, Luhmann, Berger/Luckmann, Habermas, Elias, Bourdieu, Latour). While doing this, a focus is set on how they explain social inequality. With this, a point for comparison of the theories is at hand.</p> <p>Aim of the course, therefore, is to provide knowledge of the history of social thought and to create the ability to evaluate the explanatory power of various theories. How do different theories explain social action and its results? During a usual day we come in contact with so many different people, but still this creates not many problems. How do various theories explain why only seldom there is explicit misunderstanding or deep conflict despite the complexity of social life? What is the connection between individual freedom and social (and political) order?</p> <p>Teaching methods: sessions will consist of lecture and discussion, based on home reading.</p> <p>Teaching times: The course meets once a week on Block III (Thursdays) and twice a week in Block IV (Mondays and Thursdays). Additionally, the course meets on June 13 (Tuesday).</p> <p>Course requirements:</p> <p>Students have to do regular reading, participate in class discussions, write a short term paper by June 12 and a short essay by August 15.</p>		
Remarks	This course starts with one weekly meeting in Block III and continues with two weekly meetings in Block IV.		

9.5 Study Area: Culture and History

Cultures of Everyday Violence: A Socio-Cultural and Historical Anthropology			
Course Number	00LE62S-LAS-CH0027	Teaching Period	university semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Sociocultural Anthropology or Area Studies, Specialization Option: Culture, Specialization Option: History Elective Module (Joker)	Module(s) (StuPo 2015)	Sociocultural Anthropology or Area Studies, Specialization Option: Culture and History I or II Elective Module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introductory Module: Thought and Research in the Areas of Culture and History		
Instructor(s)	Dr. Marie Muschalek (marie.muschalek@geschichte.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.17-29.07.17 Mon, 08-10h, AU 01065 Wed, 08-10h, AU 01065		
Course Description	<p>Whether extreme and belligerent or more diffuse and mundane in nature, violence is, and has been, present in all societies. It seems to be a fundamentally human fact. This course offers an introduction into the study of humankind, that is, into the fields of socio-cultural and historical anthropology, through a discussion of the complex and vexing issue of violence. Yet, not war and mass murder, but everyday “normal” or normalized forms of violence will be the object of interest: the physical confrontations, abuses, and harms of daily life in peacetime societies.</p> <p>We will account for their different perspectives – be it of the victim, the bystander, or the perpetrator, but also of the witness, the reporter, or the researcher. And we will touch upon the multiple ways in which people deal with and behave within violent situations – the range of their emotions, their lines of reasoning, their bodily movements, etc. However, violence always also has a context (social, cultural, and historical). You will therefore be asked to engage with a number of concrete case studies from disparate areas of the world and different time periods that will help you carve out further the specificities of cultures of violence and their broader (ethical and political) implications.</p> <p>Attempting to understand violence and to represent violence are closely related endeavors. Both are tightly linked to questions of ethics and politics, to the critique or justification, sometimes glorification of violence. We will therefore also discuss violence in connection with its representation.</p> <p>This class is for second-year students and intended to be challenging. You will be expected to read both extensively and intensively. Our readings will be from a wide variety of disciplines and text genres including scholarly work, philosophical essays, fiction, and others. We will moreover work with visual sources, notably film and photography.</p>		
Remarks			

Faszination Wissenschaft: Migration - menschliches Grundphänomen aus interdisziplinärer Perspektive			
Course Number	00LE62S-LAS-CH0028	Teaching Period	university semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Culture, Specialization Option: History, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Culture and History I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	12 LAS students, 13 other degree programs
Prerequisites	Fluency in the German language (course is taught in German)		
Instructor(s)	Simone Kraiss (simone_kraiss@eva.mpg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.17 - 29.07.17 Wed, 14-16h, BT 101 Additional dates tba: 1) Sitzung Forschungslandschaft 2) Abschlussitzung Faszination Wissenschaft		
Course Description	Migration ist gegenwärtig ein zentrales Politikum in Europa. Die gesellschaftspolitische Bedeutung von Migration ist jedoch nicht neu - in Deutschland hat mittlerweile gut jede fünfte Person einen Migrationshintergrund. Als menschliches Grundphänomen spielt Migration in allen Kulturen und Epochen eine herausragende Rolle. Um das Phänomen Migration zu verstehen, muss es aus seiner historischen Tiefe und durch interdisziplinäre Zugänge betrachtet werden.		
Remarks			

Faszination Wissenschaft: Phänomenales Bewusstsein – Erklärungen zwischen Philosophie, Kognitions- und Neurowissenschaften			
Course Number	00LE62S-LAS-CH0031	Teaching Period	university semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Culture and History I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Philosophy, Advanced Culture and History I, II or III, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	12 LAS students, 13 other degree programs
Prerequisites	Fluency in the German language (course is taught in German)		
Instructor(s)	Maik Niemeck, M.A. (maik.niemeck@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Tue, 18-20h, BT 204 Additional dates tba: 1) Sitzung Forschungslandschaft 2) Abschlussitzung Faszination Wissenschaft		
Course Description	Das Schmecken einer Zitrone, das Fühlen eines Schmerzes oder das Hören einer wunderbaren Melodie sind Instanzen bewussten Erlebens und stehen für zentrale Aspekte unseres menschlichen Daseins. Lässt sich bewussten Erleben erklären und wie sieht eine angemessene Erklärung aus?		
Remarks			

History as a Topic of Academic Inquiry			
Course Number	00LE62S-LAS-CH0002	Teaching Period	university semester
Study Area(s)	Culture and History only (not open as Electives)	Credit Points	6 ECTS
Module(s) (StuPo 2012)	History as a Topic of Academic Inquiry	Module(s) (StuPo 2015)	History as a Topic of Academic Inquiry
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Culture and History		
Instructor(s)	Dr. Ryan Plumley (ryan.plumley@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 10-12h, AU 01036a Wed, 10-12h, KG 1019		
Course Description	<p>All human groups are defined in part through their engagement with the past, with their history. The past is a source of identity production, of ideological legitimation, and of ethical/legal/political justification for 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.</p> <p>Some human groups have also dedicated effort to more systematic study of the past, to historiography as methodologically rigorous research that results in 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.</p> <p>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 the social status as experts of the past.</p> <p>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.</p>		
Remarks			

Introduction to Culture and History (Foundational Year)			
Course Number	00LE62V-LAS-CH0001, 00LE62S-LAS-CH0001	Teaching Period	university semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Introductory Module: Thought and Research in the Areas of Culture and History	Module(s) (StuPo 2015)	Introduction to Culture and History
Open to Students	Year(s) 1, (2)	Max. Enrollment	75
Prerequisites	none		
Instructor(s)	Dr. Ryan Plumley (ryan.plumley@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	<p>Lecture 24.04.17-29.07.17 Mon, 14-16h, room tba (please check HISiOne in the week before the course starts)</p> <p>Workgroups WG1: Tue, 08-10h, KG 1023 WG2: Tue, 10-12h, KG 1023 WG3: Thu, 10-12h, KG 1023</p>		
Course Description	<p>“Culture and History” is an interdisciplinary approach to the humanities, the disciplines which produce systematic knowledge about the artifacts, practices, and events of human agency. Typical objects of study and research in the humanities include texts (literary, religious, philosophical, among others), visual culture (works of art, films, etc.), as well as customs or rituals. The research methods of the humanities are largely qualitative in nature. In particular, humanists engage in interpretation: the attempt to extract meaning from or attribute meaning to cultural objects and their histories.</p> <p>We will approach the humanities as fundamentally interpretive sciences whose task is to sift, process, analyze, and understand human-made things in the world. Through careful analysis of objects of study, comparative synthesis with already acquired knowledge, and rational argumentation based in evidence, the humanist researcher seeks to produce interpretations or explanations of meaning. This holds true whether the objects of study are from the deep past or from the present, whether they are relatively static or ever-changing, whether they are familiar or quite alien to the researcher.</p> <p>We will work with typical cultural objects and learn the methods appropriate for interpreting them. We will also read and discuss important, classic works from specific humanistic fields (literary studies, visual art studies, anthropology, cultural studies). By maintaining a tension between the theory and practice of the humanities, students will learn to produce compelling interpretations of culture and history.</p>		
Remarks	The lecture and the workgroups are setup as two courses in HISinOne. Please register for the workgroup only.		

The Alexander Ecker Collection: Historical and Contemporary Perspectives			
Course Number	00LE62S-LAS-CH0029	Teaching Period	university semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Culture, Specialization Option: History, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Culture and History I or II, Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	8 LAS, 16 other degree programs
Prerequisites	Fluency in German language		
Instructor(s)	Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Tue, 12-14h, KG 1032 Excursion: date tba		
Course Description	<p>As part of the project "Forschendes Lernen im Uniseum", this course will tackle different perspectives on the Alexander Ecker Collection in Freiburg. The human skull collection was initiated by the anatomist and physician Alexander Ecker (1816-1887); after his death, a number of successors looked after the collection, most notably Eugen Fischer (1874-1967), who later became spearhead of the national-socialist race ideology. In the year 2002, the collection became part of the University Archives. In the last couple of years, the collection mostly appeared in media reports in the context of repatriation requests from Namibia and Australia. As a result, provenance research on the collection took place, and some of the remains have been returned to their homelands (i.e. to Namibia in 2013). This short summary of the collection's history already highlights key topics/questions for the course:</p> <ul style="list-style-type: none"> • What are the historical contexts under which collection took place? Why did people collect skulls in the 19th and early 20th century? • How was the collection interpreted in the past – and how do various stakeholders see and understand it today? • How can the collection's future be imagined – caught between being testimony to a certain period in the history of science, current scientific potential, and ethical demands brought about by its very existence? • How can the collection, its difficult history, and the various perspectives on it, be presented in an exhibition? <p>The course will combine theoretical and interdisciplinary perspectives, historical and contemporary research with practical application: Students will conduct independent research projects on various aspects of the topic, the results of which will be used to create a new exhibition unit in the Uniseum.</p> <p>The course is conducted by Prof. Veronika Lipphardt with the cooperation of Prof. Dr. Ursula Wittwer-Backofen, and will be accompanied by Sarah Fründt (Chair of Science and Technology Studies) and Angelika Meran-Witt (Uniseum). All of these will bring in their own expertise and practical experience, thus highlighting different perspectives on the collection.</p> <p>Teaching languages are English and German. A huge number of primary and secondary sources will be in German. This applies in particular to the historical and archival sources. Very good German reading ability is therefore required.</p>		
Remarks	Two thirds of the spaces are reserved for Master students (or advanced B.A.-students) from study programs other than LAS.		

9.6 Study Area: Multiple

Colloquium Science and Technology Studies			
Course Number	00LE62S-LAS-IN0002	Teaching Period	university semester
Study Area(s)	Electives	Credit Points	3 ECTS <small>(SL only)</small>
Module(s) (StuPo 2012)	Elective module (Joker)	Module(s) (StuPo 2015)	Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	10 (including students of other degree programs)
Prerequisites	for LAS students who want to obtain credit points: Science in Context module.		
Instructor(s)	Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Thu, 14-16h, KG 1136		
Course Description	The Chair for Science and Technology Studies (STS) organizes talks, guest lectures and workshops with academics from various fields, from around the world, and from PhD students to professors. The program for each semester will be announced on the Chair's website and on the blue board next to our door. Students can obtain credit points by attending and actively engaging with these events under specific circumstances. — In addition, the Chair offers BA-, MA- and PhD students various formats of advising and networking, particularly with regard to Science and Technology Studies or History of Science.		
Remarks	Open to anybody interested in STS. Please contact Dr. Nick Buchanan (nicholas.buchanan@ucf.uni-freiburg.de) in case you are interested.		

Computational Modeling			
Course Number	00LE62S-LAS-LSEE0001	Teaching Period	university semester
Study Area(s)	Life Sciences, Earth and Environmental Sciences (StuPo 2015 only), Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Computer Science, Data Processing and Modeling in the Life Sciences	Module(s) (StuPo 2015)	Computer Science, Data Processing and Modeling in the Sciences
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Maths & Physics (may be waived if you can show that you have sufficient maths background)		
Instructor(s)	Dr. Reto Schöly (reto@reto-schoelly.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 10-12h, Ph HS2 Wed, 10-12h, Ph HS1		
Course Description	<p>MATLAB is considered to be one of the most important languages for mathematical computing; it is capable of simulating any mathematical model that can be solved numerically. This course shall provide insight into the basics of mathematical modelling with MATLAB.</p> <p>Contents:</p> <ol style="list-style-type: none"> 1. Introduction to basic operations (numeric calculations), matrix operations (matrix multiplication, inversion, vector transformation), functions (calculation, parameterization and return values), m-files, and proper formatting. 2. Writing documentations using MATLAB. 3. Fundamentals of modeling with MATLAB: economic systems, chaotic functions, mechanical systems and biological predator/prey systems. 4. Modeling of feedback control using SIMULINK. 5. Introduction to mathematical art. Lecture notes will be provided as a reference and for guidance in the exercises. <p>The subjects of the students' MATLAB projects can be from various fields – economical simulations are as welcome as physical simulations or geological data analyses. It should be of appropriate complexity, although no bachelor thesisgrade work is expected. Students can either choose to cover a subject that may be already part of their studies or ask the lecturer for a suggestion.</p>		
Remarks	Students must have a laptop available throughout the course. Working in pairs is fine.		

Environmental Psychology			
Course Number	00LE62S-LAS-GOEE0005	Teaching Period	university semester
Study Area(s)	Earth and Environmental Sciences, Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Earth and Environmental Sciences II or II, Specialization Option: Law, Politics, Administration, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Earth and Environmental Sciences I or II, Humans and the Environment, Specialization Option: Governance I or II, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Earth and Environmental Sciences and/or Introduction to Governance		
Instructor(s)	Sebastian Gölz (sebastian.goelz@ise.fraunhofer.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Tue, 12-14h, AU 01042 Thu, 12-14h, AU 01042		
Course Description	<p>Human behaviour is a key factor for current global economic and ecological challenges . On the other hand, it is also a crucial resource which can be used to cope with these challenges. Environmental Psychology is an interdisciplinary field focusing on how human behavior and the physical environment interrelate. It is, for example, not sufficient to simply propose ways to solve global economic and ecological challenges. Substantial changes in people's behavior are also needed. This course will introduce the basic elements of Environmental psychology.</p> <p>In the first part of the course, students will study psychological theories and modelling (unit 1) along the topics of environmental awareness, climate change and sustainability. In the second part, students will become familiar with typical issues in applied fields of environmental psychology (unit 2) such as the attitudes-behavior gap, behavior in social dilemmas, and interventions and behavioral changes. As different technological innovations (e.g. e-mobility and renewable energies) promise improvement for ecological risks, the third part will focus on ways to combine environmental psychology with the domain of technology usage, acceptance and usability (unit 3). Practical will help the students to transfer new knowledge into their own small surveys and interventions. In the tutorials, selected topics will be presented by the students and discussed in depth.</p> <p>Upon successful completion of this module, you should be able to:</p> <ol style="list-style-type: none"> (1) Orient yourself among existing theories of environmental psychology. (2) Apply psychology theories and models to real-world settings. (3) Elaborate basic designs for environmental interventions. (4) Use environmental methodologies in complex transformation settings. (5) Present/discuss a selected topic and write a paper (short publication). 		
Remarks	In this course, students from EES and Governance have priority.		

International Environmental Politics			
Course Number	00LE62S-LAS-GOEE0008	Teaching Period	university semester
Study Area(s)	Governance, Earth and Environmental Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance I or II, Specialization Option: Law, Politics, Administration, Specialization Option: Earth and Environmental Sciences I or II	Module(s) (StuPo 2015)	Advanced Governance I or II, Specialization Option: Governance I or II, International Governance, Specialization Option: Earth and Environmental Sciences I or II, Humans and the Environment
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance or Introduction to EES		
Instructor(s)	Dr. Thorsten Philipp (Thorsten.Philipp@zu.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Wed, 08-12h, KG 1023		
Course Description	<p>The seminar aims at analyzing and understanding the political structures, dynamics and solutions developed at the international level in response to ecological degradation. Rapidly growing in importance over the last decades, environmental protection has outgrown the spectrum of domestic affairs. Strategies to conserve biodiversity or to combat global warming presuppose not only an interdisciplinary alliance of scientific approaches, but also cross-border cooperation and intergenerational perspectives in order to find globally acceptable solutions. It is long since environmental politics have turned into cooperative governance in which policies are coordinated among national governments, international organizations and private actors.</p> <p>The seminar will provide an overview of global environmental challenges; it will examine the social ethical perspectives of political ecology and take a look at the international legal framework of ecosystem protection. The participants will analyze the institutional structures, the processes and the instruments of international environmental politics and learn more about the differences between governmental and civil society approaches. Multilateral regimes will be analyzed by focusing conflict areas such as ozone, air, climate, fresh water, soils, biological safety and waste.</p> <p>Course requirements:</p> <ul style="list-style-type: none"> • Weekly preparation of readings and class discussion • Individual seminar presentation and a short seminar paper (1 page A4) • 24 hours Take Home Exam 		
Remarks	Teaching on Wednesdays, 09:00-12:00, over the whole semester. In this course, students from Governance and EES have priority.		

Morality			
Course Number	00LE62S-LAS-COCH0001	Teaching Period	university semester
Study Area(s)	Core, Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Action, Rationality and Responsibility Elective module (Joker)	Module(s) (StuPo 2015)	Responsibility and Leadership I or II, Philosophy, Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Prof. Dr. Wolfgang Freitag (wolfgang.freitag@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 08-10h, AU 01036a Tue, 08-10h, AU 01042		
Course Description	What ought I do? How ought I live? This course introduces students to central topics in ethics and moral theory. We discuss different theories of morality, e.g. the natural law tradition, the social contract tradition, consequentialism, utilitarianism, Kantian ethics, and virtue ethics. We will also debate meta-ethical questions such as: Are there objective moral facts, or is morality simply a matter of subjective attitudes? Is human nature the basis of morality? Is there only one correct moral outlook? We might in addition cover questions related to the areas of applied ethics and political theory. The course consists mainly of seminar sessions with presentations and discussions. It might also contain lectures.		
Remarks	Priority will be given to StuPo 2012 students. This is most likely the last chance for StuPo 2012 students to take the Action, Rationality and Responsibility module.		

The Future: Science Fiction and Historical Inquiry			
Course Number	00LE62S-LAS-COCH0002	Teaching Period	university semester
Study Area(s)	Culture and History, Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Knowledge in Context, Culture and History Since the Early Modern Period, Contemporary Art, Literature, Aesthetics, or Music, Advanced Culture and History I or II, Elective module (Joker)	Module(s) (StuPo 2015)	Science in Context, Culture and History Since the Early Modern Period, Art, Literature, Aesthetics, or Music, Advanced Culture and History I, II or III Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Dr. Nicholas Buchanan (nicholas.buchanan@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Mon, 10-12h, KG 1140 Wed, 10-12h, KG 1140		
Course Description	<p>What will the future bring? Will the years, decades, or even centuries to come bring prosperity or despair? A technological utopia or an apocalypse? For numerous writers, film-makers, and thinkers, questions about the future have inspired works of speculation that touch on every imaginable aspect of the human condition. In this course, we will explore the future—in novels and films—as a way to understand the past, especially the cultures, concerns, and preoccupations of the places and times where these futures were imagined. In particular, we will examine how these sources can illuminate the cultural roles played by prediction; changing attitudes towards scientific and technological change; the potentials and limitations of human knowledge and ability; the specter of science and technology out of control; concerns about religion in an age of cold rationality; and the ways that technology can oppress or emancipate. Star ships, androids, and aliens will also be discussed as time permits.</p> <p>The course will focus on critical analysis and interpretation of speculative literature and film as historical sources, paying attention to both the production and consumption of these works. We will also engage with a variety of other primary sources, building skills in historical methodologies, the interpretation of texts, and narrative analysis. We will contextualize our interpretations with the relevant scholarly literature history, social science, and science and technology studies.</p>		
Remarks			

9.7 Language Courses

Advanced English Competency			
Course Number	00LE62S-LAS-LA0018	Teaching Period	university semester
Study Area(s)	Electives	Credit Points	6 ECTS <small>(SL only)</small>
Module(s) (StuPo 2012)	Advanced English Competency	Module(s) (StuPo 2015)	Advanced English Competency
Open to Students	Year(s) 1	Max. Enrollment	16
Prerequisites	First year students can only attend this course on teacher recommendation or if they provide a B2 level language proficiency test.		
Instructor(s)	Dr. Denise Kaltschütz, Ben Paynter (denise.kaltschütz@ucf.uni-freiburg.de ben.paynter@ucf.uni-freiburg.de)		
Format, Dates, Times and Rooms	Seminar 24.04.17-29.07.17 Mon, 18-20h, Ph HS 3 Wed, 18-20h, Ph HS 3		
Course Description	This course is designed to assist students in reaching C1 level English proficiency and is the first part of two semesters' study aimed at passing an IELTS test. Advanced English Competency exposes students to a broad spectrum of English language usage with the intention of encouraging ease and fluency. Emphasis will be on reviewing basic grammatical structures and acquiring more complex structures. Practice will be communicative and include both oral and written work.		
Remarks	This course is designed to assist 1 st year students in reaching C1 level and beyond. This course is not open to exchange students.		

Spanish for Academic Purposes II			
Course Number	00LE62S-LAS-LA0020	Teaching Period	university semester
Study Area(s)	Language (StuPo 2012 only), Electives	Credit Points	6 ECTS (SL only)
Module(s) (StuPo 2012)	Spanish Joker	Module(s) (StuPo 2015)	Spanish Joker
Open to Students	Year(s) 1, 2, 3, 4	Max. Enrollment	15
Prerequisites	Spanish B1		
Instructor(s)	Alain Martín (alainmp@gmail.com)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Wed, 12-14h, AU 01065		
Course Description	Este curso tiene como objetivo la adquisición de los recursos lingüísticos necesarios para utilizar el español en un contexto académico. Se redactarán textos escritos y se prepararán presentaciones orales This course builds on the course « Spanish for Academic Purposes » offered in the winter semester 16/17. New participants are welcome.		
Remarks			

Spanish Inicial II (A1.1-A1)			
Course Number	00LE62S-LAS-LA0011	Teaching Period	university semester
Study Area(s)	Language (StuPo 2012 only), Electives	Credit Points	6 ECTS (SL only)
Module(s) (StuPo 2012)	Spanish A1	Module(s) (StuPo 2015)	Spanish A1
Open to Students	Year(s) 1, 2, 3, 4	Max. Enrollment	15
Prerequisites	Spanish A1.1		
Instructor(s)	SLI: Elena Pérez Almeida (anelegc@gmail.com)		
Format, Dates, Times and Rooms	Seminar 24.04.-29.07.: Wed, 12-14h, BT 205		
Course Description	Universo.ele A1, Units 5-7 (A1.1-->A1)		
Remarks			

10 Irregular**10.1 Study Area: Culture and History**

Creating an exhibition unit for the UNISEUM: The Alexander Ecker Collection			
Course Number	00LE62S-LAS-CH0030	Teaching Period	irregular
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Culture, Specialization Option: History, Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: Culture and History I or II, Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	8 LAS, 16 other degree programs
Prerequisites	The course "The Alexander Ecker Collection: Historical and Contemporary Perspectives" must be taken simultaneously.		
Instructor(s)	Prof. Dr. Veronika Lipphardt (veronika.lipphardt@ucf.uni-freiburg.de), Angelika Meran-Witt		
Format, Dates, Times and Rooms	Dates tba One 1-d-workshop in the midst of the summer semester; one 2-d-workshop at the beginning of the semester break. Individual advising meetings in between. Exact dates tba by the lecturer.		
Course Description	This block course implements the findings from the previous course within the UNISEUM exhibition. It will equip students with practical skills in exhibition conceptualization and design. Realization of the exhibition requires the development of an exhibition concept as well as smaller detail work such as the writing of exhibition texts, the design of multimedia presentations, the search for suitable images and illustrations, the design and conceptualization of PR strategies and instruments.		
Remarks	Students from the course "The Alexander Ecker Collection: Historical and Contemporary Perspectives" can register in this course. We will build 2 groups: One for hands-on museological work, the other for PR-related tasks concerning the exhibit.		

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