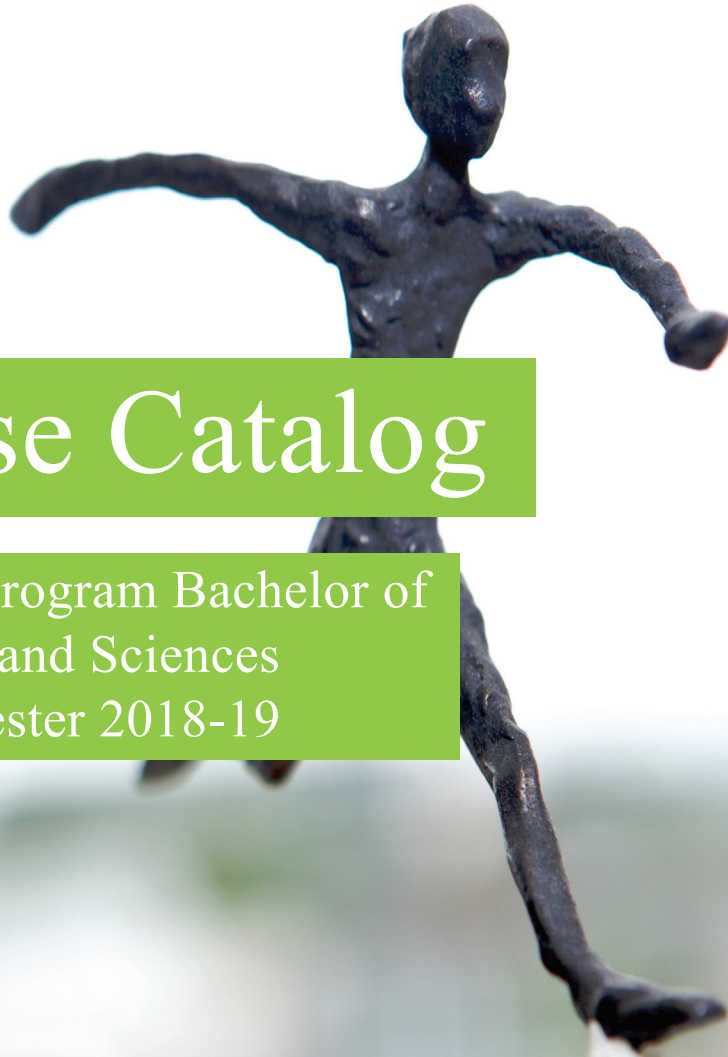




UNIVERSITY  
COLLEGE  
FREIBURG

# Course Catalog

B.A./B.Sc. Program Bachelor of  
Liberal Arts and Sciences  
Winter Semester 2018-19



Albert-Ludwigs-Universität Freiburg

UNI  
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## I General Information

### 1 Teaching Periods Winter Semester 2018-19

The university is closed on [public holidays](#). Dates for individual courses may slightly vary from the dates below (see IV Course Details).

Teaching Period	Dates
October Intensive	September 24 – October 6
Block I	October 15 – December 7
Block II	December 10 – February 15
Semester	October 15 – February 9 (semester-long LAS courses run according to the <a href="#">university semester</a> , no teaching during university Christmas holidays)
Resit Period	April 8 – May 3, 2019 (resit examinations that require students' presence only)

### 2 LAS Academic Calendar: Important Dates and Deadlines

Application forms and guidelines are available on the [LAS Info Board](#) on ILAS.

Date	Important Dates and Deadlines
<b>September 2018</b>	
Starting 8.9	<b>LAS Course Registration</b> with consecutive registration periods for courses of the upcoming winter semester (see II Course Registration)
Fri 21.9	<b>Deadline: Application for Admission of Bachelor Thesis</b>
Fri 28.9	<b>Deadline: Application for SLI Language Courses</b> (individual courses paid by UCF)
<b>October 2018</b>	
Fri 05.10	<b>Deadline: Application for Non-LAS University of Freiburg Courses to be recognized in the Core or Major</b>
08.10-12.10	LAS Welcome Week
Sat 13.10	LAS Graduation Ceremony
Mon 15.10	Exam registration and withdrawal for courses of Block I <b>AND</b> semester long courses in HISinOne begin (not for courses of Block II).
Fri 19.10	<b>Deadline: Application for Non-LAS University of Freiburg Courses to be recognized as Elective</b> (for graded examinations only)
<b>November 2018</b>	
Thu 01.11	Public Holiday: All Saint's Day (no teaching)
Sun 04.11	<b>Deadline: Exam registration and withdrawal for courses of Block I AND semester long courses</b> in HISinOne ( <u>not</u> for courses of Block II)
Thu 15.11	<b>Deadline: Round One Application UCF Exchange Programs</b> for the Academic Year

Date		Important Dates and Deadlines
		2019/20. Details on the Application procedure will be announced by Email.
		<b>Deadline: Application Credit Recognition for Study Abroad/Previous Studies</b>
<b>December 2018</b>		
Mon	10.12	Exam registration and withdrawal for courses of Block II in HISinOne begin.
	24.12-05.01	University Christmas Break (no teaching)
<b>January 2019</b>		
Sun	13.01	<b>Deadline: Exam registration and withdrawal</b> for Block II courses
		<b>Deadline: Round Two Applications for UCF Exchange Programs</b> for the Academic Year 2019/20. Details on the Application procedure will be announced via Email.
Thu	31.01	<b>Deadline: Declaration of Major</b> (to be taken into account for the upcoming course registration)
		<b>Deadline: Application for Graduation WS 2018-19</b>
<b>February 2019</b>		
Fri	01.02	<b>Deadline: Application for Admission of Bachelor Thesis</b> (recommended date for students graduating at the end of SS 19)
<b>March 2019</b>		
	Beginning of March	Publication of the LAS Course Catalog SS 2019 on the <a href="#">UCF website</a>
	Starting March	<b>LAS Course Registration</b> for courses of the Summer Semester with consecutive registration periods (details tba)

## II Course Registration

The outlined *course* registration procedure ensures that Liberal Arts and Sciences (LAS) 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 which are required for graduation. Please remember: in order to take examinations (and hence get full credits for courses), students must also register for examination (see III [Exam Registration](#)).

The outlined course registration procedure **applies to all courses offered by UCF** unless otherwise noted in the course details. Information on taking courses offered by other degree programs (that are not listed in this course catalog) and the Sprachlehrinstitut (SLI) of the University of Freiburg is available on the [LAS Info Board](#) on ILAS.

### 1 LAS Specifics – Course Registration

#### General

- All courses offered by UCF correspond to at least one module that appears in the LAS Study and Examination Regulations. UCF module titles are listed in the LAS Course Catalog.
- All major modules appear *twice* in the LAS Study Planner in HISinOne: in the Major and in the Electives area.
- Exchange students can select any available module to register their course as.
- Module and course titles will appear on your transcript. So, if you have a choice of different modules for one course, please keep this in mind when choosing a module.
- Some courses can only be taken as Major or Core courses and not as Electives (see IV Course Details).
- For UCF courses with several workgroups and a lecture, students only need to register for the workgroup they would like to attend (unless otherwise noted in the course details). In these cases, registration for the lecture is not possible and not necessary.

#### Major Modules

- LAS students who have declared their major register their Major courses as part of their Major.
- LAS students who have not yet declared their major
  - register the first *three* courses for the Introduction to Majors as part of the respective 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.

#### Core Modules

- LAS students should register their Core courses as part of the Core.

#### Electives

- All major modules also appear in the Electives area. LAS students who wish to take a module exam of a different major need to select the corresponding major module in the Electives area.
- Only LAS students who have already fulfilled all other modules that are listed in the course catalog can register their course as Elective module (Joker, numbers 00LE62MO-LAS1215-7261 to 7268, select the smallest number first). You can find these Joker modules in the Planer of Studies (HISinOne) at the very end of your Electives area.

### 2 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.



### 3 When to Register for Courses?

#### 3.1 LAS students

First year LAS students register for all their courses of the first semester during the Welcome Week. All other 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.

#### 3.2 LAS exchange students (UCF programs only)

LAS exchange students (on [UCF programs](#) only) register for courses during Registration Period II.

#### 3.3 Students of other degree programs and other exchange programs

Students of the following degree programs register for courses during Registration Period II (and III for left-over places, "Restplätze").

- Interdisziplinäre Anthropologie
- Medienkulturwissenschaften
- Sustainable Systems Engineering

Students of other degree programs and exchange students on international office programs or programs of other departments of the university register for courses during **Registration Period III** ("Restplatzvergabe").

#### 3.4 Course registration periods

Course Registration Period I Sat, 8.9 - Tue, 11.9 (12:00h, noon)		
Who can register	For what	Comment
<ul style="list-style-type: none"> <li>▪ <b>LAS students</b> who have <b>formally declared their major</b> by 31<sup>st</sup> of July</li> </ul>	Courses offered by UCF to be recognized in the <b>Major only (not in the Electives Area, e.g. <u>not</u> Elective module (Joker))</b>	LAS students are allowed to register for a <b>maximum of 5 UCF courses in total</b> (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 <sup>st</sup> of July can only register for courses in Registration Period II.
<p><b>Places will be assigned after the registration period.</b> Higher year students will get priority on places unless otherwise noted in the course details.</p> <p><b>You can check your registration status on Wednesday evening.</b> Your registration request may have been declined. Students whose registration requests have been declined will have the opportunity to <b>register for alternative courses</b> (which still have places available) on <b>Thu, 13.9</b>, 14:00h to 18:00h in HISinOne.</p>		

Course Registration Period II Sat, 15.9 - Tue, 18.9 (12:00h, noon)		
Who can register	For what	Comment
<ul style="list-style-type: none"> <li>▪ All <b>LAS students</b></li> <li>▪ <b>LAS exchange students</b> (on <a href="#">UCF programs</a> only)</li> </ul> <p><b>Students of the following degree programs:</b></p> <ul style="list-style-type: none"> <li>▪ Interdisziplinäre Anthropologie</li> <li>▪ Medienkulturwissenschaften</li> <li>▪ Sustainable System Engenering</li> </ul>	All courses offered by UCF, unless otherwise noted in the course details	<p>Students registering for courses during registration period II are expected to take the full workload of the course (usually 6 ECTS)</p> <p>Students are allowed to register for a <b>maximum of 5 UCF courses in total</b> (excluding pre-block courses). No exceptions to this rule will be made.</p>
<p><b>Places will be assigned after the registration period.</b> Higher year students will get priority on places unless otherwise noted in the course details. Whether or not a student has declared his or her major will no longer be taken into consideration.</p> <p><b>You can check your registration status on Friday evening.</b> Your registration request may have been declined. Students whose registration requests have been declined will have the opportunity to register for alternative courses (which still have places available) on <b>Sat, 22.09 and Sun 23.09</b> in HISinOne.</p>		

Course Registration Period III ("Restplatzvergabe") Tue, 25.09 – Thu, 04.10 (12:00h, noon)		
Who can register	For what	Comment
<b>All students</b>	All courses offered by UCF that still have places available (unless otherwise noted in the course details)	<p>Students can register for courses that still have places available.</p> <p>LAS Students are allowed to register for a <b>maximum of 6 UCF courses in total.</b></p>
<p><b>Places will be assigned throughout the registration period. Regularly check your registration status</b> in HISinOne. Your registration request may have been declined.</p>		

## 4 How to Register for Courses?

### 4.1 LAS students

LAS students register for courses using the campus management system HISinOne as outlined below. First year LAS students register for courses as announced during the Welcome Week.

### 4.2 LAS exchange students (UCF programs only)

LAS exchange students (on [UCF programs](#) only) with a Uni-Account register for courses in the campus management system HISinOne as outlined below. LAS exchange students who have not yet enrolled at the University of Freiburg use the form provided by UCF.

### 4.3 Students of other degree programs and other international students

Students of other degree programs and international exchange students on international office programs or programs of other departments of the university are asked to register for courses in the campus management system HISinOne.

#### 4.4 Course registration 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); alternatively you can find UCF courses in Studienangebot > Vorlesungsverzeichnis > University College
- 4) Select the correct Semester of Studies
- 5) Courses (📖) are linked to the corresponding modules (📌). Here you can find registration 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 the registration links appears.
- 6) 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.
- 7) Always check whether your registration request has actually been placed (Mein Studium (My Studies) > Meine Veranstaltungen und Prüfungsanmeldungen (My enrollments and examinations)).
- 8) After the registration period: check whether you have got admitted to the course

#### 4.5 Has the course registration been successful?

Places will be assigned *after* the registration periods. Successful course registrations will appear as TA (Teilnahme akzeptiert). If you have been put on the waiting list (WL), you may be admitted to the course at a later stage. Please be aware: the waiting list doesn't guarantee you a free place in a course. It is up to the instructors to decide on whether they take use of the waiting list or not.

Course participant lists will be finalized **on Fri, October 10, 2018** and passed on to the instructors. Later admissions to courses will only be possible via the instructors.

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.

#### 5 Deregistration from LAS Courses

De-registration from courses is only possible in HISinOne during course registration periods. Later de-registrations are only possible in case of illness. In this case, please inform the instructor that you cannot attend the course as soon as possible.

#### 6 Course Cancellation

Courses with will less than five participants may be cancelled.

#### 7 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](mailto: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, or Exchange student)
- Your major (if declared formally)
- the exact module title that you wish to register your course/exam for
- and information about your problem. Please provide a screenshot of your problem whenever possible.

### III Exam Registration

#### 1 LAS Specifics – Exam Registration

##### General

- The LAS specifics concerning course registration apply (see LAS Specifics – Course Registration)
- Register for examinations for all course offered by UCF that you wish to get credits for.
- Course based assessments are conducted in the form of module exams. In order to take a module exam, you must register for examination by the deadline as specified in the LAS Academic Calendar: Important Dates and Deadlines.
- LAS courses usually entail a pass/fail assessment (Studienleistung) and a graded assessment (Prüfungsleistung). Details concerning the assessments (form of assessment, etc.) are announced at the beginning of the courses.
- If a module contains both **a graded (Prüfungsleistung) and a pass/fail examination (Studienleistung), you need to register for both.**
- If you have already fulfilled the graded or pass/fail examination of a module in a previous semester (see transcript in HISinOne), you can only register for the corresponding examination of the module.
- Students who failed a graded examination in a previous semester will automatically be re-registered for this examination by the examination office.
- You can register for each module examination only once and only completed modules will count towards your total ECTS credits and therefore your degree.
- Module and course titles will appear on your transcript. So, if you have a choice of different modules for one course, please keep this in mind when choosing a module.

##### Electives

- Taking the pass/fail assessment only (3 ECTS, Studienleistung) should be seen as an exception and is only possible in the electives section and in *prior* agreement with the instructor. Students who wish to only take the pas/fail assessment must register their pass/fail assessment as one of the joker modules in the Electives (Joker, numbers 00LE62MO-LAS1215-7261 to 7269, use the smallest number first).
- For information on exam registration for courses of other degree programs at the University of Freiburg (that are *not* listed in the LAS course catalog) or Language courses at the SLI, please refer to the guidelines on taking courses at other degree programs that are available on the [LAS Info Board](#) on ILIAS.

#### 2 Who Needs to Register for Examination?

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

#### 3 When to Register for Examination?

Registration Period	Dates	Exam Registration and Withdrawal
1	17.09.2018 - 30.09.2018	October Intensive courses
2	15.10.2018 - 4.11.2018	Block I AND semester long courses ( <u>not</u> Block II courses)
3	10.12.2018 - 13.01.2019	Block II courses

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

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

## 4 How to Register for Examination?

### 4.1 LAS students and LAS exchange students (UCF partner programs only)

All LAS students (including first year students) and LAS exchange students (on [UCF programs](#) only) register their examinations in the campus management system HISinOne as outlined below.

### 4.2 Students of other degree programs and other exchange programs

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

### 4.3 Exam registration 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 My Studies (Mein Studium) > Planer of Studies (Studienplaner) > Select your current LAS Study and Examination Regulations
- 4) Select the semester of examination. Select "alle aufklappen".
- 9) Graded (🌟 red) and pass/fail exams (🌟 blue) are linked to the corresponding modules (🌟). Here, you can find a registration link for the examination of your course (you must be logged in otherwise the registration link will not appear). You may need to click a couple of times on different symbols (👤👤) until the registration links appears.
- 5) Click on the registration link and follow the instructions.
- 6) Always check your registration status afterwards (My Studies (Mein Studium) > My enrollments and registrations (Meine Prüfungsanmeldungen und Belegungen).
- 7) Please print and keep a copy of your registration or your transcript of records as proof of your exam registration.

### 4.4 Has the exam registration been successful?

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

## 5 Problems with Exam Registration

See Problems with Course Registration.

## IV Course Details

### 1 UCF Pre-Block Courses

#### 1.1 Study Area: Core

Entrepreneurship			
Course Number	00LE62S-LAS-CO0016	Teaching Period	October Intensive
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Vision and Leadership Elective module (Joker) for remaining places only	Module(s) (StuPo 2015)	Responsibility and Leadership 1 (years 3-4 only) Responsibility and Leadership 2 (years 2-4) Elective module (Joker) for left-over places only
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Fluency in the German language (course is taught in German)		
Instructor(s)	Dr. Markus Strauch ( <a href="mailto:markus.strauch@wb.uni-freiburg.de">markus.strauch@wb.uni-freiburg.de</a> ) Theresa Weinstein, B.A.		
Format, Dates, Times and Rooms	24.9-5.10 Seminar 9-17h, AU 01042		
Course Description	<p>Nach Schumpeter (1934) ist Unternehmertum (Entrepreneurship) im Wesentlichen dadurch gekennzeichnet, dass vorhandene Ressourcen (auf eine neue Art und Weise) kombiniert werden. In dieser Definition geht es beim Unternehmen weder um völlig neue Erfindungen noch beschränkt sie Entrepreneurship allein in das ökonomische Handlungsfeld.</p> <p>Ziel dieses Kurses ist zum einen die Entwicklung eines grundlegenden und eigenständigen Verständnisses von Entrepreneurship/Unternehmertum, das sich in vielen gesellschaftlichen Sphären zeigen kann. Zum anderen steht dessen direkte und eigene praktische Anwendung durch die Entwicklung eigener Unternehmensmodelle im Vordergrund.</p> <p>Als Fallbeispiel dient uns dabei die Regionalwert AG und deren Partnerunternehmen. Sie agiert als Bürgeraktiengesellschaft und Unternehmerverbund in der Region Freiburg/Südbaden. Dadurch haben wir in diesem Kurs die Gelegenheit, in direkten Austausch mit 'Regionalunternehmern' zutreten, die in ihrem eigenen Unternehmen ökonomische, ökologische und soziale Aspekte verbinden und ebensolche Werte und Wirkungen in der Region Freiburg entfalten.</p> <p>Im Kurs nähern wir uns dem Thema Entrepreneurship so auch konsequent transdisziplinär. Wir beziehen uns auf und betrachten Unternehmertum aus einer Reihe von akademischen Disziplinen, wie beispielsweise Ökonomie, Sozial- und Kulturwissenschaften, Psychologie, Geschichte.</p> <p>Der Kurs beinhaltet einen Workshop mit der LAS-Alumna Theresa Weinstein zum Thema Design Thinking – eine Methode für kreatives und praktisches <i>problem solving</i>. In diesem Teil werden die theoretischen Konzepte vorgestellt und vor allem für die Erstellung eines Business Plans angewandt.</p>		
Specific Remarks	<p>Course and exam registration dates are as follows:</p> <p>Course Registration: 1.8 - 19.8 in HISinOne</p> <p>Exam Registration: 17.9-30.9 in HISinOne</p>		

<b>Pre-Course Maths and Physics</b>			
Course Number	00LE62S-LAS-LSEE0006	Teaching Period	during Welcome Week
Study Area(s)	Earth and Environmental Sciences, Life Sciences	Credit Points	-
Module(s) (StuPo 2012)	-	Module(s) (StuPo 2015)	-
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	25
Prerequisites	Introduction to Earth and Environmental Sciences and/or Introduction to Life Sciences		
Instructor(s)	Dr. Benoit Louvel ( <a href="mailto:benoit.louvel@ucf.uni-freiburg.de">benoit.louvel@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	9.10.-11.10 Tue, 10-12h, AU 01042 Wed, 10-12h, AU 01042 Thu, 10-12h, AU 01042		
Course Description	<p>The mathematics skills of students to the study entry phase vary greatly. Reasons for this are the different requirements internationally and nationally, as well as a forgetting of the mathematics knowledge by a break after school graduation. This 6h Pre-Block Maths and Physics course provides the opportunity for students to refresh their school mathematics or to learn new topics dependend on their level of Maths knowledge. This course perparees students for the start of the Maths &amp; Physics course at UCF in winter term 2018/19. The course consists of lectures as well as exercises.</p> <p>Depending on the level of the participating students topics that may be covered are:</p> <ol style="list-style-type: none"> <li>(1) arithmetic operations (summation, subtraction, multiplication, division, powers, factorials) and the order of summation</li> <li>(2) fractions and operations with fractions</li> <li>(3) definition and properties of some elementary functions: sine, cosine, tangent, exponential, logarithm</li> <li>(4) solving a linear equation with one variable</li> <li>(5) solving a quadratic equation with one variable</li> <li>(6) areas (of a triangle, of a trapezoid, of a disc) and volumes (of a sphere, of a cube).</li> </ol>		
Specific Remarks	<p>Highly recommended for students majoring in Earth and Environmental Sciences or Life Sciences and planning to take the Maths &amp; Physics course in winter term 2018/19.</p> <p>This course will not appear in your Planner of Studies in HISinOne. However, you can search for the course in the system.</p> <p>Course Registration: 1.8 - 19.8 in HISinOne</p> <p>Exam Registration: there is <u>no</u> examination</p>		



## 2 UCF Courses offered in Block I

### 2.1 Study Area: Core

Digitality - Its Preconditions and Outcomes			
Course Number	00LE62S-LAS-CO0040	Teaching Period	Block I
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Anthropology and Experience Culture and Communication Elective module (Joker) for left-over places only	Module(s) (StuPo 2015)	Responsibility and Leadership 2 Elective module (Joker) for left-over places only
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Responsibility and Leadership 1		
Instructor(s)	Dr. Jürgen Gedinat ( <a href="mailto:juergenpeter.gedinat@unibz.it">juergenpeter.gedinat@unibz.it</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Tue, 8-12h, Ph HS2 Thu, 8-12h, Ph HS2		
Course Description	<p>All aspects of the course are determined by a two-part question aiming at lighting up (a) our practical behaviour pertaining to digital phenomena and (b) the constitutive relations this behaviour grounds in. In a first consideration the course will address the Babylonian confusion concerning notions such as virtual, digital and analog as well as the notions of technical devices and technical procedures.</p> <p>In a similar perspective a distinction has to be made between problems that belong specifically to the realm of digitality and problems that are located among more general questions in regard to modern technique. This insight then allows to retrace the historical emergence of digitalization and to go back to its peculiar roots which first of all are to be found in Leibniz but already are laid out in Galilei and his rejection of the Aristotelian lectures on physics. This finally leads modern science to one of its most ambitious challenges, i. e. to cybernetically surmount corporeal substance which now is supposed to be measured with the objective to convert these measured results into digital data: «Quid pro quo»!</p> <p>Digital data initially means: quantities of measured attributes of genuine substantial things assigned to quantities of electrical potentials. This assignment among quantities is commonly called a transformation. Since digital results and effects may never come into existence without deploying electricity the course will, in terms of philosophy, ask what artificial electricity is about, what is its usage and its significance in our concrete life. This leads to a crucial moment in digitality to wit the kind of presence which appertains to its results or products be it images on screens, be it sounds on loud-speakers or in headphones, be it the combination of both. There is one feature in this presence which makes digitality downright indispensable: its ubiquity. Being immediately accessible and disposable digital appearances are apt to enhance efficiency in almost all domains of life.</p> <p>Ensuing from this aspect some fundamental questions are to be asked e. g.: what is the benchmark of digital efficiency about? What are the advantages and what is the benefit which it is used to measure? Who determines what is beneficial and what isn't? On the basis of which authority and competence is the benefit of digitalisation determined? Can every enhancement of efficiency also always be ethically justified?</p> <p>Even though the essential determination of digitalisation is sufficiently measured by the mentioned issues there is one which may turn out to be the most important, namely our perception of digital appearances. In contrast to things which are themselves physically present, their electronic representations are not authentic. Thus the sense of our senses is no more distinct.</p>		

Foundational Year: Research and Presentation			
Course Number	00LE62S-LAS-CO0008 00LE62V-LAS-CO0008	Teaching Period	Block I
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	-	Module(s) (StuPo 2015)	Research and Presentation
Open to Students	Year 1	Max. Enrollment	85
Prerequisites	none		
Instructor(s)	Dr. Simon Büchner ( <a href="mailto:buechner@ucf.uni-freiburg.de">buechner@ucf.uni-freiburg.de</a> ) Dr. Liudmila Mikalayeva ( <a href="mailto:mikalayeva@ucf.uni-freiburg.de">mikalayeva@ucf.uni-freiburg.de</a> ) Dr. Sabine Sané ( <a href="mailto:sabine.sane@ucf.uni-freiburg.de">sabine.sane@ucf.uni-freiburg.de</a> ) Dr. Ryan Plumley ( <a href="mailto:ryan.plumley@ucf.uni-freiburg.de">ryan.plumley@ucf.uni-freiburg.de</a> ) Vivien Königslöw ( <a href="mailto:vivien.von.koenigsloew@nature.uni-freiburg.de">vivien.von.koenigsloew@nature.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Lecture: Mon, 14-16h, KG 3042  Workgroups WG1 Tue, 8-10h, AU 01036a Thu, 8-10h, AU 01036a  WG2 Tue, 16-18h, KG 1023 Thu, 16-18h, KG 3117  WG3 Tue, 10-12h, AU 01036a Thu, 10-12h, AU 01036a  WG4 Tue, 10-12h, Ph HS3 Thu, 10-12h, Wilhelmstraße 26, HS 16  Final conference on 6.12 and 7.12 (for times and rooms see HISinOne)		
Course Description	This course covers two basic skills of scholarly work: literature research and presentation of a topic in a talk. It will impart theoretical knowledge on the skills while at the same time practice them on current complex problems. The students will learn how to independently research literature, how to summarize its content, how to use it in an essay, and how to present a topic to a particular audience. Throughout the whole module the research practices and traditions in different disciplines will be addressed. The course consists of lectures, which all students have to attend, and seminars of which students can choose one. This year's topics are: Workgroup 1: Public Sphere (Plumley) Workgroup 2: Inter-Nationalism (Mikalayeva) Workgroup 3: Water Sustainability in a Changing World (Sané, Königslöw) Workgroup 4: Aspects of Communication (Büchner)		
Specific Remarks	Course registration is only required for the workgroups. First year students register for this course during the Welcome Week.		

<b>Responsible Matters in Corporations, Research and Innovation</b>			
Course Number	00LE62S-LAS-CO0041	Teaching Period	Block I
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Vision and Leadership Action and Responsibility Elective module (Joker) for left-over places only	Module(s) (StuPo 2015)	Responsibility and Leadership 2 Elective module (Joker) for left-over places only
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Responsibility and Leadership 1		
Instructor(s)	Dr. Linda Madsen ( <a href="mailto:linda.madsen@soziologie.uni-freiburg.de">linda.madsen@soziologie.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Mon, 14-16h, Ph HS 3 Tue, 14-16h, Stefan-Meier-Straße 26, R 1006 Thu, 14-16h, Wilhelmstraße 26, HS 16		
Course Description	<p>This course focuses on the specific, though heterogeneous and omnipresent fields of corporate social responsibility (CSR) and responsible research and innovation (RRI). CSR and RRI have gained attention from a number of fields such as political science, organization, marketing and communication studies, economics, geography, anthropology and engineering and it is practised in various ways in most firms and institutions. By engaging with central literature on CSR and RRI from various fields, the students will get to know different – perhaps contradictory though no less co-existing – approaches to CSR and RRI. Furthermore, they will explore related concepts such as ‘stakeholders’, ‘sustainability’, ‘transparency’, ‘foundational values’ and, not least, ‘buzz words’. Moreover, they will study and practise analytical approaches from the interdisciplinary field of Science and Technology Studies (STS); the students will get equipped to analyse processes of issue formation; they will reach a different understanding of how responsibility comes to matter and of the changing matters of responsibility. By conducting individual empirical analysis of CSR and/or IRR practises, the students will explore how concepts and categories become meaningful and powerful, thus they are encouraged to contribute to current interdisciplinary research that broadens our understanding of responsibility and its implications.</p>		
Specific Remarks	For Elective Module (Joker) Course Registration Period III applies.		

**2.2 Study Area: Life Sciences**

<b>Introduction to Tissue Engineering and Cellular Therapies in Regenerative Medicine</b>			
Course Number	00LE62S-LAS-LS0020	Teaching Period	Block I
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	8
Prerequisites	Laboratory Work for the Life Sciences, Cell Biology, Biochemistry		
Instructor(s)	PD Dr. Melanie L. Hart ( <a href="mailto:melaniehar@gmail.com">melaniehar@gmail.com</a> ) and colleagues		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Tue, 8:30-12:00h, G.E.R.N lab Thu, 9:00h-11:30h, G.E.R.N lab Seminar room 041 (ground floor), Engesserstrasse 4, 79108 Freiburg		
Course Description	This course will consist of a series of lectures, student-led seminars, journal clubs (student-led presentation of current research articles) and hand-on laboratory work. Lectures will introduce you to the topics relevant to the field of tissue engineering and cellular therapies in regenerative medicine such as Good Manufacturing Practice (GMP) production of cells for cellular therapies, choosing the right cell type for a specific cell therapy, the importance of the extracellular matrix in regeneration of tissue, the role of biomechanical and biophysical stimuli in tissue engineering and creating three-dimensional (3D) environments for cells and vital implants. Students will team up to present a research article ("Journal Club"), as well as a seminar topic relevant to the this field of in order to gain knowledge in how to read, present and evaluate scientific research papers and to become more acquainted with standard and new techniques that can be used in tissue engineering and regenerative medicine. Hands-on work in the laboratory will include sterile cell culture techniques, how to isolate and culture mesenchymal stem cells from tissue, creating and assessing 3D cellular environments and analyzing their biomechanical properties.		
Recommended Reading	Guraya, S. Y., Sampogna, G., & Forgione, A. (2015). Regenerative medicine: historical roots and potential strategies in modern medicine.		
Examination Details/Date	Two presentations, maintaining a laboratory notebook about the contents of the hands-on laboratory work, as well as a short multiple choice exam on December 6, 2018.		
Specific Remarks	First meeting will be in the Seminar room on the entrance level next to the elevators of Engesserstrasse 4. Please always be on time as the doors automatically lock. If necessary, call to be let in but this will disrupt the course (Tel. 40975). The location of the remaining courses will be provided to you on the first day of the course. For Elective module (Joker) registration periods II and III apply.		

<b>Sensation and Perception</b>			
Course Number	00LE62S-LAS-LS0015	Teaching Period	Block I
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 or III Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences		
Instructor(s)	Dr. Simon Büchner ( <a href="mailto:buechner@ucf.uni-freiburg.de">buechner@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Mon, 14-16h, AU 01042 Tue, 14-16h, AU 01042 Thu, 14-16h, Ph HS 3		
Course Description	<p>Our sensory organs are transition points between the world we are part of and the world of our inner experiences. This dualistic interpretation of an inside and an outside world often goes along with the assumption that sensation is a linear projection of characteristics of an externally existing object to an internally existing state of perception. In contrast, we will approach sensation and perception as a combination of bottom-up and top-down processes which shape sensory information based on contextual knowledge and memory giving rise to an empirically grounded, dynamic percept.</p> <p>We will trace the physiological path from external stimuli through the sense organs to the interpretation of these stimuli as the world how we perceive it. For this, we will encounter the human senses from cognitive, neurological, and psychophysical points of view comparing different theories from these fields. We will cover visual, auditive, olfactory, gustatory, and tactile perception with an emphasis on the visual modality.</p> <p>The course will be a combination of lecture parts, reading-based discussions, student presentations, and exercises. We will mostly follow the book "Sensation &amp; Perception" (4th edition) by Jeremy Wolfe and colleagues. The book is available in the reading room and can be purchased in any book store.</p>		
Recommended Reading	Wolfe (2015) Sensation & Perception (4th edition). Available in the Reading Room.		
Examination Details/Date	Students will conduct their own (small) research project. Details will be provided at the beginning of the course. Project report due on 07. Feb 2019		
Specific Remarks	Additional dates may be announced during the first course meeting. For Elective module (Joker) registration periods II and III apply.		

**2.3 Study Area: Culture and History**

<b>Freud and Psychoanalysis</b>			
Course Number	00LE62S-LAS-CH0044	Teaching Period	Block I
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture and History Since the Early Modern Period Advanced Culture and History I or II Elective module (Joker)	Module(s) (StuPo 2015)	Culture and History Since 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	17 LAS students, 3 Medienkulturwissenschaften
Prerequisites	Introduction to Culture and History		
Instructor(s)	Dr. Ryan Plumley ( <a href="mailto:ryan.plumley@ucf.uni-freiburg.de">ryan.plumley@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Mon, 14-16h, KG 1023 Tue, 14-16h, AU 01036a Thu, 14-16h, AU 01036a		
Course Description	<p>The publication of Sigmund Freud's <i>The Interpretation of Dreams</i> in 1899 launched psychoanalysis. For the next century, every conceivable academic field—literary studies, philosophy, history, sociology, political science, feminist and gender studies, etc.—worked for, with, and against it. Beyond the academy too, Freudian psychoanalysis inspired artists and cultural producers from high to low. Yet, by the end of the 20th century, both Freud and psychoanalysis had fallen into disrepute and seemed irrelevant.</p> <p>In this seminar we will pursue answers to two sets of interrelated questions:</p> <ol style="list-style-type: none"> <li>(1) What was psychoanalysis? Was it a hermeneutic technique? A theory of mind? A scientific discipline? A therapeutic practice?</li> <li>(2) Why did psychoanalysis offer insights to so many people in so many fields? Why was it such a generative thought system? Why did it fade away?</li> </ol> <p>The goal of the seminar is not to revive psychoanalysis. But by inhabiting this mode of thinking in its various iterations, we should come to understand better how and why forms of thought emerge, coalesce, thrive, and then fade away. We will also have the opportunity to explore some of the most important works and intellectuals of the 20th century on a global scale.</p>		
Recommended Reading	Readings will include Freud and a generous selection of psychoanalytic thinkers (e.g., Carl Jung, Erich Fromm, Frantz Fanon, Herbert Marcuse, Julia Kristeva, etc.) as well as cultural and artistic works inspired by psychoanalysis.		
Examination Details/Date	14.12.2018		
Specific Remarks	<p>Three Places have been reserved for students from "Medienkulturwissenschaften". These students are asked to register for the course in HISinOne during course registration period II (see details on Course Registration).</p> <p>For Elective module (Joker) registration periods II and III apply.</p>		



## 2.4 Study Area: Governance

<b>Moot Court – International Law in Practice</b>			
Course Number	00LE62S-LAS-GO0010	Teaching Period	Block I
Study Area(s)	Governance only, <u>not</u> Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Supervised independent studies as replacement for Specialization Option (Governance)	Module(s) (StuPo 2015)	Supervised independent studies as replacement for Specialization Option: Governance I or II
Open to Students	Year(s) 3, 4	Max. Enrollment	4
Prerequisites	Introduction to Governance, Principles of Law		
Instructor(s)	Dr. Stoyan Panov ( <a href="mailto:stoyan.panov@ucf.uni-freiburg.de">stoyan.panov@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Project work Thu, 14-16h, BT 202		
Course Description	<p>The moot court activity is an opportunity for students to develop knowledge and understanding of fundamental principles of Human Rights Law as a subject matter of the selected moot (European Court of Human Rights). The participants gain skills to analyze fact problem sets and identify and apply the relevant legal provisions. Emphasis is put on developing skills of legal research and oral and written advocacy.</p> <p>The first part of the Moot Court project will be dedicated to brief drafting and completion of the written portion of the moot court exercise; the oral argument portion of the Competition will be conducted in the second part of the project. The scheduling of classes for the Moot Court course depends on the scheduling of the moot competition a particular group is participating in. Selection of the students participating in the moot exercise will be based on individual applications and/or interviews.</p> <p>Moot court preparatory meetings will be conducted on a weekly basis to discuss and analyze the moot court problems and to adequately prepare for the written and oral submissions. Additional mooting practices may be arranged accordingly.</p> <p><i>Learning goals</i></p> <p>Upon successful completion of this course, students should be able to:</p> <ol style="list-style-type: none"> <li>(1) Have skills to analyze legal problems in a particular problem set;</li> <li>(2) Identify, analyze and apply relevant legal provisions to a particular problem set scenario;</li> <li>(3) Have improved advocacy skills.</li> </ol>		
Examination Details/Date	Regular attendance of moot preparatory sessions and active participation in group work and exercise. The final grade will be based on the moot written position paper/memorandum and/or a report by 9.2.19.		
Specific Remarks	This course can be taken only as a Supervised Independent Study project (details on Supervised Independent Studies for LAS students are available on the LAS Info Board on ILIAS). There is <u>no</u> online registration possible. Please contact the instructor if you wish to participate.		

<b>Public Policy</b>			
Course Number	00LE62S-LAS-GO0045	Teaching Period	Block I
Study Area(s)	Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance III, Specialization Option: Politics, Law and Administration Elective module (Joker)	Module(s) (StuPo 2015)	Advanced Governance III Specialization Option Governance I or II, Elective module (Joker)
Open to Students	Year(s) 3,4	Max. Enrollment	20
Prerequisites	Introduction to Governance, Comparative Politics OR Principles of Law		
Instructor(s)	Dr. Elina Schleutker ( <a href="mailto:elina.schleutker@ucf.uni-freiburg.de">elina.schleutker@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Mon, 14-16h, AU 01036a Tue, 14-18h, FMF HS 01 009		
Course Description	<p>Public policies are the outputs of the political system. It is possible to distinguish between different types of policies, such as regulatory policies (e.g., environmental protection), distributive policies (e.g. agricultural policies), and redistributive policies (e.g., welfare policy). In this course we learn about public policies from a comparative perspective, with the general aim to understand the determinants and consequences of such policies. We will focus on welfare state policies, but will also touch upon other types of policies. The course is divided into three parts: (1) We will gain a basic understanding of what a welfare state is, what it does, when it came into existence and what kind of variation there is between the countries. Moreover, we learn to understand the varieties of capitalism. (2) Determinants of public policies. In particular, we are interested in answering questions such as: Are social democratic parties more likely to promote generous welfare states? Does the number of women in parliament increase women-friendliness of the welfare state? (3) Interactions between demography and the welfare state. We learn about the consequences the demographic changes might have for the future of the welfare state concentrating on population ageing and population decline. In addition, we discuss the possibilities the welfare states have to influence the demographic trends and to cope with the challenges caused by these trends.</p> <p><i>Learning goals:</i></p> <p>The students will (i) gain a basic understanding of public policies, and their determinants; (ii) learn to apply theories on public policies in their own papers which focus on cross-country variation in public policies, and (iii) improve their methodological skills related to comparative studies.</p>		
Recommended Reading	Arts, Wilhelmus Antonius and Gelissen, John (2002): "Three worlds of welfare capitalism or more? A state-of-the-art report". <i>Journal of European Social Policy</i> 12(2): 137-158.		
Examination Details/Date	Pass/fail: Regular attendance of classes and active participation in group work and exercises. Graded component: Written assignments. Submission of the final part of the examined material will be due on the 21st of December 2018.		
Specific Remarks	Please contact the course instructor by email during the week 36 in case you would like to obtain the full course syllabus before you register to the course. We recommend taking this course for the Advanced Governance III module. For Elective module (Joker) registration periods II and III apply.		



**2.5 Study Area: Multiple**

<b>L'homme machine</b>			
Course Number	00LE62S-LAS-IN0010	Teaching Period	Block I
Study Area(s)	Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Elective module (Joker)	Module(s) (StuPo 2015)	Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	good command in German		
Instructor(s)	Prof. Dr. Oliver Müller ( <a href="mailto:nexus@brainlinks-braintools.uni-freiburg.de">nexus@brainlinks-braintools.uni-freiburg.de</a> ) Sabrina Livanec, Mathilde Bessert-Nettelbeck		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Tue, 16-20h, Bernsteincenter, Werkstatt (Hansastraße 9A, 79104 Freiburg im Breisgau) Fri, 12-19h, Bernsteincenter, Werkstatt (Hansastraße 9A, 79104 Freiburg im Breisgau)		
Course Description	<p>Become part of »L'homme machine«, a project at the interface of science reflection, art and ethics dealing with the topic area of neurotechnology and body image. The course will give you hands-on experience on how to communicate and reflect on scientific content by developing a public artistic event curated by Nexus Experiments, the science communication and reflection initiative of BrainLinks-BrainTools.</p> <p>In »L'homme machine« artists and scientists explore how the body image adapts to changes affecting the brain or other body parts. How do neurological or psychological disorders modify a person's body image? How do people suffering from Parkinson's disease, stroke, depression or other physical constraints like lost limbs or deafness perceive their body and how does smartphone usage affect one's body image? Finally, what does these changes mean for the ongoing ethical discussion on treatment options that make the body interact with technology?</p> <p>After a theoretical phase on philosophical, neurotechnological and psychological aspects of the concept of body image as well as a workshop on science communication and reflection, the group will develop artistic performances together with Freiburg based artists using material from interviews we conducted with target groups and a repository of scientific literature on the topic. The envisaged interactive exhibition in December will bring together personal experience and scientific insights in a way that challenges the public and bring forth societal questions regarding neurotechnological research and technology in general.</p> <p>Nexus Experiments is a subproject of the Cluster of Excellence BrainLinks-BrainTools. It develops participative science/art projects to reflect the ethical implications of neurotechnology. The project is led by Prof. Dr. Oliver Müller and curated by Mathilde Bessert-Nettelbeck and Sabrina Livanec.</p>		
Recommended Reading	<p>Levy, Neil. „Neuroethics and the Extended Mind“. Oxford Handbook of Neuroethics, 7. April 2011. <a href="https://doi.org/10.1093/oxfordhb/9780199570706.013.0071">https://doi.org/10.1093/oxfordhb/9780199570706.013.0071</a>.</p> <p>Example of a completed Nexus Experiments project: <a href="http://www.nexusexperiments.uni-freiburg.de/en/experiment/projekt/22/">http://www.nexusexperiments.uni-freiburg.de/en/experiment/projekt/22/</a></p> <p>Website of artist Vanessa Valk, artistic director of »L'homme machine«: <a href="http://www.vanessavalk.de">http://www.vanessavalk.de</a></p> <p>BrainLinks-BrainTools website: <a href="http://www.brainlinks-braintools.uni-freiburg.de">http://www.brainlinks-braintools.uni-freiburg.de</a></p>		
Examination Details/Date	Students are expected to actively participate in the seminar as well as in the conception, organization and during the final event on December 8, 2018. Additionally, a written assignment is required. The course is graded on attendance, active class participation.		
Specific Remarks	This course requires good command in German (CEFR B2) as many of the teaching materials are provided in German.		

<b>Resources and Sustainability</b>			
Course Number	00LE62S-LAS-GOEE0006	Teaching Period	Block I
Study Area(s)	Earth and Environmental Sciences, Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Global Cycles of Matter and Material Specialization Option: EES I or II Advanced Governance I or II Specialization Option: Law, Politics, Administration Elective module (Joker)	Module(s) (StuPo 2015)	Global Cycles of Matter and Material Specialization Option: EES I or II 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 Earth and Environmental Sciences (and Introduction to Governance for Governance modules)		
Instructor(s)	Dr. Sabine Sané ( <a href="mailto:sabine.sane@ucf.uni-freiburg.de">sabine.sane@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Mon, 14-16h, AU 01065 Tue, 14-16h, KG 1023 Thu, 14-16h, AU 01065		
Course Description	<p>The growing human footprint on our planet is clearly shown by the enormous consumption of renewable (e.g. biomass) and non-renewable resources (e.g. fossil fuel). To sustain a high human development without destroying the environment an equilibrium between economic viability, environmental tolerability and social fairness is required. This concept of sustainability is incorporated in many national constitutions, numerous regulations and is discussed in several summits.</p> <p>The course will study natural resources in respect to their production, extraction and use, their potential impact on the environment, their economic value and the legal situation necessary to fulfill the requirement of sustainable development. The main focus will be on energy and food resources as well as waste management.</p>		
Specific Remarks	<p>Students majoring in Earth and Environmental Sciences have priority. Excursion on Friday or guest talk in the evening possible-tba.</p> <p>For Elective module (Joker) registration periods II and III apply.</p>		

<b>Robot Design – Theory, Practice, Philosophy</b>			
Course Number	00LE62S-LAS-IN0012	Teaching Period	Block I
Study Area(s)	Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Elective module (Joker)	Module(s) (StuPo 2015)	Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	-		
Instructor(s)	Dr. Reto Schölly ( <a href="mailto:reto@reto-schoelly.de">reto@reto-schoelly.de</a> )		
Format, Dates, Times and Rooms	15.10-7.12 Seminar Tue, 8-12h, AU 01065 Thu, 8-12h, AU 01065		
Course Description	<p>Autonomous systems are becoming more and more an integral part of everyday's life. The best known examples are autonomous vehicles and robotic vacuum cleaners. These so-called "robots" - from Czech robota ("slave") - often evoke suspicion or loathing within the uninitiated. Critics often fear they might become a scourge upon their makers, taking human jobs away or even cause malice and mayhem, while supporters, on the other hand, like seeing those machines as a form of salvation from major human problems. In order to enable students to participate in the debate about pros and cons of robotics in an informed way this course will introduce basic knowledge about how autonomous robotic systems work in principle.</p> <p>This course will teach students about the inner workings of robots and the social change they will bring. After an introduction to the fundamentals of the technology, students will work hands-on with hardware and experiment and solve exercises with it. Later, students will construct their own robotic creation and present it.</p> <p><i>Contents:</i></p> <ul style="list-style-type: none"> <li>▪ Background information and discussions about psychosocial impacts of robotic technology;</li> <li>▪ History of robotic systems; Fundamentals of programming with python;</li> <li>▪ Fundamentals of electronics, robot design and 3D CAD; fundamentals of sensors;</li> <li>▪ Robot design, construction and testing.</li> </ul> <p><i>Course requirements:</i></p> <ul style="list-style-type: none"> <li>▪ Students must be willing and able to learn about said topics. Previous knowledge in the fields of programming, electronics, sensors, 3D printing, 3D design or robotics is helpful, but not required. Students must be willing and able to take a challenge. The instructor will guide the students every step on their way.</li> </ul> <p><i>Features:</i></p> <p>The robots will be controlled via Raspberry PI version 3 Type B mini-computers (they will be lent to students for the duration of the course); Mechanical elements and frames will be designed using Blender (<a href="http://www.blender.org">www.blender.org</a>) and other open source programmes; The structures of the robots will be 3D printed using one of the instructor's printers; Electronic components and tools will be provided; All sessions will have two parts: introduction into the theory and a workshop where exercise projects will be assembled or relevant topics be discussed.</p>		
Examination Details/Date	06.12.2018		
Specific Remarks	This course is funded through the "Projektwettbewerb: Innovatives Studium 2018" ( <a href="http://stura.org/svb">stura.org/svb</a> ). Interdisziplinäre Anthropologie students can register for this course during registration period II (or III for left-over places, "Restplätze")		

### 3 UCF Courses offered in Block II

#### 3.1 Study Area: Core

Foundational Year: Written Expression					
Course Number	00LE62S-LAS-CO0009 00LE62V-LAS-CO0009	Teaching Period	Block II		
Study Area(s)	Core	Credit Points	6 ECTS		
Module(s) (StuPo 2012)	-	Module(s) (StuPo 2015)	Written Expression		
Open to Students	Year 1	Max. Enrollment	85		
Prerequisites	Research and Presentation				
Instructor(s)	Dr. Sebastian Gehart ( <a href="mailto:sebastian.gehart@ucf.uni-freiburg.de">sebastian.gehart@ucf.uni-freiburg.de</a> ) (WG 2 and 3) Dr. Marie Muschalek ( <a href="mailto:marie.muschalek@geschichte.uni-freiburg.de">marie.muschalek@geschichte.uni-freiburg.de</a> ) (WG 1) Thorsten Leiendecker, M. A. ( <a href="mailto:thorsten.leiendecker@ucf.uni-freiburg.de">thorsten.leiendecker@ucf.uni-freiburg.de</a> ) (WG 4)				
Format, Dates, Times and Rooms	10.12-15.2 Lecture: Mon, 14-16h, KG 3042  <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;">           WG1            Tue, 8-10h, AU 01036a            Thu, 8-10h, AU 01036a             WG3            Tue, 10-12h, AU 01065            Thu, 10-12h, AU 01065         </td> <td style="width: 50%; vertical-align: top;">           WG2            Tue, 8-10h, AU 01065            Thu, 8-10h, AU 01065             WG4            Tue, 10-12h, AU 01036a            Thu, 10-12h, AU 01036a         </td> </tr> </table>			WG1 Tue, 8-10h, AU 01036a Thu, 8-10h, AU 01036a  WG3 Tue, 10-12h, AU 01065 Thu, 10-12h, AU 01065	WG2 Tue, 8-10h, AU 01065 Thu, 8-10h, AU 01065  WG4 Tue, 10-12h, AU 01036a Thu, 10-12h, AU 01036a
WG1 Tue, 8-10h, AU 01036a Thu, 8-10h, AU 01036a  WG3 Tue, 10-12h, AU 01065 Thu, 10-12h, AU 01065	WG2 Tue, 8-10h, AU 01065 Thu, 8-10h, AU 01065  WG4 Tue, 10-12h, AU 01036a Thu, 10-12h, AU 01036a				
Course Description	<p>The course introduces students to the challenges of sharing knowledge through written expression. An overarching goal of this course is to explore how writing is not merely used to broadcast or conserve information but, especially in academia, constitutes a social interaction and discourse involving a variety of actors for a plethora of functions and a multitude of intended effects.</p> <p>Different genres of academic writing are emphasised along with their prevalence in different academic disciplines. For this, students will focus on further developing topics they explored in the previous course on "Research and Presentation". These topics will serve as bases for learning and practicing different techniques and conventions of academic writing. Students will also familiarise themselves with different stages of the writing process, including preparation, research, creating outlines, drafting, and revising their written work, thus equipping them with the skills to effectively express arguments, ideas and research in academic and non-academic writing.</p>				
Specific Remarks	Course registration is only required for the workgroups. First year students register for this course during the Welcome Week.				

**3.2 Study Area: Earth and Environmental Sciences**

<b>Environmental Chemistry</b>			
Course Number	00LE62S-LAS-EE0010	Teaching Period	Block II
Study Area(s)	Earth and Environmental Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Chemistry	Module(s) (StuPo 2015)	Chemistry
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Earth and Environmental Sciences		
Instructor(s)	Prof. Dr. Kroneck ( <a href="mailto:peter.kroneck@uni-konstanz.de">peter.kroneck@uni-konstanz.de</a> )		
Format, Dates, Times and Rooms	7.12-15.2 Seminar Mon, 14-16h, AU 01065 Tue, 14-18h, KG 1023 Thu, 14-16h, AU 01065		
Course Description	<p>In this course students will be introduced to Environmental Chemistry. In unit 1 From Atoms to Macromolecules: they will study the main building blocks of our material world composed of atoms, ions and molecules. In unit 2 Chemical Reactivity: students will investigate fundamental chemical reactions, specifically proton-transfer reactions (acid-base chemistry) and electron-transfer reactions (redox chemistry). In addition, they will be introduced to basic thermodynamic (conservation of energy) and kinetic (catalysis) principles driving chemical reactions. In unit 3 Bio-Inorganic Applications students will explore the essential elements of life on Earth and their biogeochemical cycles, and they will take a closer look at the chemistry of several important biological processes. 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"> <li>(1) Describe the basic electronic and structural features of molecules (nature of chemical bonds; three-dimensional structures; chirality).</li> <li>(2) Set up and complete chemical equations (stoichiometry; acids and bases; oxidants and reductants; transfer of protons and electrons).</li> <li>(3) Understand elementary thermodynamic (heat) and kinetic (velocity) aspects of chemical reactions.</li> <li>(4) Apply the principles of structure and reactivity to essential life processes in the presence and absence of dioxygen (extreme forms of life; respiration; photosynthesis; nitrogen fixation).</li> <li>(5) Present/discuss a selected topic and write a paper (short publication).</li> </ol>		
Specific Remarks	<p>Students majoring in Earth and Environmental Sciences have priority.</p> <p>The course is an excellent choice for an elective for Life Sciences students.</p>		

**3.3 Study Area: Life Sciences**

<b>Anatomy and Functions of the Brain</b>			
Course Number	00LE62S-LAS-LS0007	Teaching Period	Block II
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 or III Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	18
Prerequisites	Introduction to Life Sciences		
Instructor(s)	Dr. Janina Kirsch ( <a href="mailto:janina.kirsch@biologie.uni-freiburg.de">janina.kirsch@biologie.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	10.12-15.2 Seminar Tue, 15-19h, SR 00043, Biologie Fri, 15-19h, SR 00043, Biologie Biologie II/III, Schänzlestr. 1		
Course Description	<p>In this course different components of the vertebrate brain and associated functions are presented one by one. In particular these are</p> <ul style="list-style-type: none"> <li>▪ General structure of the vertebrate brain</li> <li>▪ Spinal cord</li> <li>▪ Medulla oblongata</li> <li>▪ Cerebellum</li> <li>▪ Midbrain</li> <li>▪ Thalamus</li> <li>▪ Hypothalamus</li> <li>▪ Basal ganglia</li> <li>▪ Limbic system</li> <li>▪ Cerebral cortex</li> </ul> <p>Each session is composed of a theoretical part in which the structure and its associated functions are presented in a lecture-style format and a practical part in which the students model the brain structures using plasticine (yes, your hands will get dirty!). The plasticine models help the students to understand the relative location of different parts of the brain. The course requires participants to study a series of eight videos provided on ILIAS before the course starts. The videos of roughly 45 min each contain lectures about fundamental knowledge in the neurosciences.</p>		
Recommended Reading	The script of the course along with two SOMSO models of the human brain are available in the reading room.		
Examination Details/Date	12.02.2019		
Specific Remarks	<p>This course requires extra teaching materials such as plasticine and the script. Depending on available funding from external sources students may be asked to pay a cost of maximum 15 Euro for teaching material.</p> <p>For Elective module (Joker) registration periods II and III apply.</p>		

<b>Developmental Biology</b>			
Course Number	00LE62S-LAS-LS0025	Teaching Period	Block II
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 or III Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences, Cell Biology		
Instructor(s)	Dr. Nicola Iovino ( <a href="mailto:iovino@ie-freiburg.mpg.de">iovino@ie-freiburg.mpg.de</a> ) Fides Zenk ( <a href="mailto:zenk@ie-freiburg.mpg.de">zenk@ie-freiburg.mpg.de</a> )		
Format, Dates, Times and Rooms	10.12-15.2 Seminar Tue, 9-12h, Seminar room Max Planck Institut Thu, 9-12h, Seminar room Max Planck Institut Max Planck Institute of Immunobiology and Epigenetics, Stübeweg 51		
Course Description	<p>In this course you will discover how the union of egg and sperm triggers a complex cascade of developmental processes that lead to the emergence and specification of the diverse variety of cells that characterize multicellular organisms. In particular we will focus on: mechanisms of Evolutionary developmental biology, Aspects of sex determination, Gametogenesis, Regeneration, Brain development, Hematopoiesis and the Immune system. You will also get to know cutting-edge imaging methodologies, next generation sequencing approaches and single cell RNA sequencing used in current research to understand molecular principles of development.</p> <p>The course will include two practical sessions focusing on Drosophila development and two Recap sessions with Q&amp;A, in-class problem solving, group work, and active learning approaches in preparation for the final exam.</p> <p>Original research articles and unpublished data will be discussed to further examine current research in developmental biology.</p>		
Examination Details/Date	07.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		



**3.4 Study Area: Governance**

<b>Behavioral Economics and the Individual Process of Decision-Making</b>			
Course Number	00LE62S-LAS-GO0044	Teaching Period	Block II
Study Area(s)	Governance only, <u>not</u> Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Economics Advanced Governance I or II	Module(s) (StuPo 2015)	Economics Advanced Governance I or II
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Felix Ettensperger ( <a href="mailto:felix.ettensperger@politik.uni-freiburg.de">felix.ettensperger@politik.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	10.12-15.2 Seminar Mon, 14-16h, AU 01036a Tue, 14-16h, AU 01036a Thu, 14-16h, AU 01036a		
Course Description	<p>The Course will provide students with a practical understanding of Behavioral Economics and the implications of BE for a wide array of decision-making processes.</p> <p>Behavioral Economics (BE) is a relatively young sub-discipline of economics, which studies the psychological, cognitive, emotional, cultural and social factors affecting decision-making in economic transactions. Researchers of BE discovered large systematic anomalies in the economic behavior of individual actors, in strong contrast to what classical economic theories would expect: in economic situations, humans are irrational, biased or over-confident, they often apply simple heuristics in decision making and evaluate economic transactions according to frames and social contexts. They do so, however, neither in an unpredictable nor individual way, but in consistent, reproducible patterns that can be analyzed, measured and eventually used to influence or nudge individual actors to a desired outcome.</p> <p>The implications of these discoveries for business, politics and public management are profound. Fully understanding these terms of decision-making allows to formulate policies to influence public opinion and social or economic behavior in general.</p> <p><i>Topics:</i></p> <ul style="list-style-type: none"> <li>▪ Basic understanding about classical economic theories</li> <li>▪ Bounded Rationality and Heuristics of Decision-Making</li> <li>▪ Frames and Biases</li> <li>▪ Self-Control Failure and Temptation</li> <li>▪ Prospect Theory and Decisions under Risk</li> <li>▪ Decisions under Uncertainty</li> <li>▪ Happiness, Confidence and Fairness from a BE perspective</li> <li>▪ Nudging and Choice Architecture</li> </ul> <p>The course divided into eight units of content. Each unit usually consists of three sessions each week: 1) an agenda-setting presentation from the lecturer; 2) a discussion initiated by a presentation of students (individual or groups of 2-3); 3) an interactive session exploring or testing the learned concepts.</p>		



Recommended Reading	<p>Daniel Kahneman and Amos Tversky (2000). Choices, Values, and Frames. Cambridge: Cambridge University Press.</p> <p>Richard H. Thaler and Cass R, Sunstein (2008). Nudge: Improving Decisions about Health, Wealth, and Happiness. New York: Penguin Group.</p> <p>Daniel Kahneman (2011). Thinking, Fast and Slow. New York, NY: Farrar, Straus and Giroux.</p>
Examination Details/Date	<p>Regular attendance and participation is expected.</p> <p>A short presentation (15 min.) with a handout covering relevant course topics, is part of pass/fail requirements.</p> <p>A short graded argumentative essay.</p> <p>A graded written exam (1 h).</p>
Specific Remarks	<p>Students intending to major in Governance are recommended to take this course in their second year of studies. Students taking the course for the module Economics have priority. For the modules Advanced Governance I and II, course registration period 2 applies.</p>

**3.5 Study Area: Multiple**

<b>Climate Change and Biodiversity</b>			
Course Number	00LE62S-LAS-GOEE0004	Teaching Period	Block II
Study Area(s)	Earth and Environmental Sciences, Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II Specialization Option: Law, Politics, Administration Elective module (Joker)	Module(s) (StuPo 2015)	Specialization Option: EES I or II Human 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 Introduction to Governance for Governance modules)		
Instructor(s)	Dr. Benoit Sittler ( <a href="mailto:benoit.sittler@nature.uni-freiburg.de">benoit.sittler@nature.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	10.12-15.2 Seminar Tue, 8-12h, Ph HS2 Thu, 8-12h, Ph HS2		
Course Description	<p>Climate change and biodiversity are among the major environmental issues modern societies face. They call for governance solutions both on global and local levels.</p> <p>In this course, you will first discover methodological approaches (such as proxies) to the monitoring and assessment of past and present changes in biodiversity. We will consider in detail examples illustrating these approaches looking into, namely, an ongoing long-term project in Greenland, which will provide you with unique insights into effects of climate change on biodiversity. You will understand the basic principles and dynamics behind the climate variability and the link to biodiversity.</p> <p>In the second part of the course we will focus on governance. We will discuss how issues like climate change and loss of biodiversity find their way onto political agendas. We will explore standard-setting mechanisms, especially in respect to the measurement of climate change and its effect on the biodiversity. Furthermore, we will analyze regulatory policies introduced and implemented on the international, national, and local levels.</p>		
Specific Remarks	<p>Students majoring in Earth and Environmental Sciences have priority. Excursion on Friday possible.</p> <p>For Elective module (Joker) registration periods II and III apply.</p>		

## 4 UCF Semester-long Courses

### 4.1 Study Area: Core

Foundational Year: English for Academic Purposes			
Course Number	00LE62S-LAS-CO0013	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	-	Module(s) (StuPo 2015)	English for Academic Purposes
Open to Students	Year 1	Max. Enrollment	85
Prerequisites	none		
Instructor(s)	Dr. Denise Kaltschütz ( <a href="mailto:denise.kaltschuetz@ucf.uni-freiburg.de">denise.kaltschuetz@ucf.uni-freiburg.de</a> ) Christina Galego, M.A. ( <a href="mailto:christina.galego@gmail.com">christina.galego@gmail.com</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Workgroups: WG1: Mon, 16-18h, HH 9, R 3B Wed, 16-18h, KG 1023 WG2: Tue, 12-14h, AU 01065 Thu, 12-14h, KG 1023 WG 3: Tue, 14-16h, AU 01065 Thu, 14-16h, KG 1036 WG 4: Tue, 14-16h, KG 1034 Thu, 14-16h, Ph HS 1		
Course Description	<p>English for Academic Purposes (EAP) is designed to introduce students to the essentials of English academic writing culture. The objective of this course is to support students in a regular practice of critically reading and writing academic texts.</p> <p>In Block I of this sixteen-week course, we will identify academic discourse and the features of academic writing in terms of communities of practice. Students will learn how to recognize diverse academic genres, how to write structured paragraphs, and how to present their research—in the form of summary, paraphrase, and quotation—with academic integrity.</p> <p>In Block II, we will explore critical reading and writing with a focus on the essay genre. Students will extend their recognition of paragraph structure by examining the specific anatomy of the persuasive essay. Following critical analysis and discussion of a set of shared academic texts, each student will craft an essay aimed at compellingly convincing the reader of the merits of its claims.</p> <p>Upon successful completion of this course, students should be able to:</p> <ul style="list-style-type: none"> <li>▪ Write persuasively and critically</li> <li>▪ identify, analyse, and evaluate academic texts</li> <li>▪ Use outside sources appropriately with academic integrity</li> <li>▪ Successfully proofread and edit their seminar papers</li> </ul>		
Specific Remarks	First year students register for this course during the Welcome Week.		

<b>Foundational Year: Knowledge, Truth, and Inference</b>			
Course Number	00LE62V-LAS-CO0011 00LE62S-LAS-CO0011	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	---	Module(s) (StuPo 2015)	Theory of Knowledge
Open to Students	Year 1	Max. Enrollment	85
Prerequisites	none		
Instructor(s)	PD Dr. Tobias Henschen ( <a href="mailto:tobias.henschen@ucf.uni-freiburg.de">tobias.henschen@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Lecture: Mon, 12-14h, KG 1221  Workgroups WG 1: Wed, 14-15h, KG 1019 WG 2: Wed, 15-16h, KG 1019 WG 3: Fri, 8-9h, AU 01036a WG 4: Fri, 9-10h, AU 01036a		
Course Description	The course is part of the systematic reflections on knowledge and science within the LAS-Core. It investigates knowledge as an epistemic achievement. It discusses the nature of belief, of truth, and the problems of skepticism resulting from the fact that our knowledge sources, e.g. perception and testimony may be non-veridical. The course also emphasizes the role of language in knowledge constitution and knowledge transmission. We will consider some questions concerning the nature of language and communication, discuss the distinction between different kinds of meaning, in particular semantic and pragmatic meaning, and the types of inference based on them. The course also introduces some elementary argumentation and logic skills.		
Specific Remarks	Course registration is only required for the workgroups. First year students register for this course during the Welcome Week.		

Foundational Year: Principles of Responsible Leadership			
Course Number	00LE62V-LAS-CO0026 00LE62S-LAS-CO0026	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	--	Module(s) (StuPo 2015)	Responsibility and Leadership 1
Open to Students	Year 1	Max. Enrollment	85
Prerequisites	none		
Instructor(s)	Dr. Markus Strauch ( <a href="mailto:markus.strauch@wb.uni-freiburg.de">markus.strauch@wb.uni-freiburg.de</a> ) Christina Galego, M.A. ( <a href="mailto:christina.galego@gmail.com">christina.galego@gmail.com</a> ) Mathis Lessau, M.A. ( <a href="mailto:mathis.lessau@mail.grk1767.uni-freiburg.de">mathis.lessau@mail.grk1767.uni-freiburg.de</a> ) Simone Kraiss, M.A. ( <a href="mailto:simone_kraiss@eva.mpg.de">simone_kraiss@eva.mpg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Lecture: Mon, 10-12h, KG 2121  Workgroups WG 1: Wed, 10-12h, AU 01036a WG 2: Wed, 12-14h, AU 01036a WG 3: Fri, 10-12h, HS 01 011 (FMF) WG 4: Fri, 12-14h, HS 01 011 (FMF)		
Course Description	<p>This foundational course introduces essential principles of responsible leadership, understood broadly as a multifaceted approach to constructive action in professional life and beyond. Our comprehensive treatment of the term is reflected in four individual parts, each presenting responsibility and leadership from a different angle. Following a general introduction, students will form subgroups on the following topics:</p> <p><i>Part A: Ethics, Decision-Making, and Responsible Action</i></p> <p>Participants will learn basic terms and the most significant theories in preparation both for an overview of different fields within applied ethics (e.g. research ethics, bioethics, and media ethics) and for related discussion of exemplary contemporary ethical dilemmas.</p> <p><i>Part B: The Bases and Dynamics of Human Interaction</i></p> <p>Participants will explore key concepts in the study of human interaction (communication, language, representation, and performance), honing their recognition of the production and reproduction of meaning as an intrinsic aspect of daily life.</p> <p><i>Part C: Leadership and Managerial Challenges</i></p> <p>Sessions will cover fundamental dimensions of the leading self, of leading others, and of leading organizations. Students will engage the basic assumptions, theories, and methods of actions that demonstrate leadership. Personal development will be examined as an essential element of leadership that impacts everyday, organizational, and societal contexts.</p> <p><i>Part D: Equality, Diversity, and Non-Discriminatory Practice</i></p> <p>Meetings will be organized to help participants deepen their understanding of the meaning of equality, the importance of diversity, and the practice of non-discrimination. After critically tracing a brief history of human rights, students will learn to address racism, sexism, ableism, and classism in light of contemporary and historical social struggles as well as the living needs of their own communities.</p> <p>Individual sections may vary in format according to instructors' priorities, and include preparatory readings, presentations, and group work, as well as active and self-reflective participation.</p>		
Specific Remarks	Course registration is only required for the workgroups. First year students register for this course during the Welcome Week..		

<b>Environmental Controversies</b>			
Course Number	00LE62S-LAS-CO0043	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	The Challenge of Interdisciplinarity for left-over places only: Specialization Option: EES I or II Elective module (Joker)	Module(s) (StuPo 2015)	Research Design across Disciplines for left-over places only: Specialization Option: EES I or II Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	Open to LAS students of all majors		
Instructor(s)	Dr.Sabine Sane ( <a href="mailto:sabine.sane@ucf.uni-freiburg.de">sabine.sane@ucf.uni-freiburg.de</a> ) Dr. Nicholas Buchanan ( <a href="mailto:nicholas.buchanan@ucf.uni-freiburg.de">nicholas.buchanan@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10.-9.02 Seminar Mo, 10-12h, Ph HS2 Mi, 10-12h, BT 206		
Course Description	<p>How safe, or unsafe, is nuclear power; and who gets to define “safe,” and by what metric? Who is responsible for the changing climate? Is this animal species endangered; and if so, should we do something about it? Is that thing they’re calling food actually food? These are but a few of the questions at the center of ongoing environmental controversies that affect the lives of everyone on earth, whether directly or indirectly. Such controversies are moments in which people disagree about the environmental past, present, and future; about what the relationship between the environment and human societies should or should not be; about how best to produce and communicate environmental knowledge; about who has the authority to govern the environment and the people in it; and about what action, if any, to take. In these and other senses, environmental controversies are tremendously rich sites for interdisciplinary scholarly inquiry.</p> <p>In this course, which is open to students in all LAS majors, we will explore such controversies from social- and natural-scientific perspectives, while also systematically developing research skills relevant to better understanding, and perhaps acting upon, environmental controversies. Informed by scholarship in the field of science and technology studies, the course will focus on tracing the social, cultural, and technical dynamics of the intense scientific disagreements at the heart of many environmental conflicts. Through theoretical and empirical readings, we will explore how the authority of science, the meaning of expert disagreement, and the fate of plural ways of knowing and valuing the environment (e.g., indigenous and local knowledge) are called into question. We will also focus on the interactions of diverse actors, both state and non-state, traditional and unexpected, involved in environmental controversies. We will investigate how environmental decision-making is becoming increasingly participatory, complicating the boundaries between scientists and the public, as well as between regulators and the regulated.</p> <p>The course will consist of both seminar-style discussions of readings as well as workshops dedicated to honing research methods. Students will design and carry out small research projects focused on an environmental controversy, the results of which they will present in a class conference at the end of the term. Skills will include: framing a research topic; situating the question within a scholarly debate and literature; gathering and analyzing data (including qualitative and/or quantitative); developing an argument; and creating a successful academic presentation.</p>		

Recommended Reading	Stephen Bocking, <i>Nature's Experts: Science, Politics, and the Environment</i> , Rutgers University Press, 2004. This text is required. One copy will be made available.
Specific Remarks	For Specialization Option: EES I or II AND Elective module (Joker) course registration period III applies.

<b>Rare Genetic Diseases and Vulnerable Populations</b>			
Course Number	00LE62S-LAS-CO0044	Teaching Period	semester
Study Area(s)	Core, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	The Challenge of Interdisciplinarity for left-over places only: Elective module (Joker)	Module(s) (StuPo 2015)	Research Design Across Disciplines for left-over places only: Elective module (Joker)
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	Open to LAS students of all majors		
Instructor(s)	Prof. Dr. Veronika Lipphardt ( <a href="mailto:veronika.lipphardt@ucf.uni-freiburg.de">veronika.lipphardt@ucf.uni-freiburg.de</a> ) Dr. Mihai Surdu		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Tue, 12-14h, AU 01036a		
Course Description	<p>Studying health risks in vulnerable populations often means to operate in socially and economically deprived communities, in politically tense or charged situations. This requires heightened cultural, societal and ethical sensitivity on the side of researchers. From the perspective of the social sciences and the humanities, knowing the history, the societal and political situation of those communities is necessary in order to contextualize research findings as well as policies drawing upon research.</p> <p>Among the approaches to study common diseases in clinical trials and pharmacogenomic research, genetic factors play a crucial role. But genetic rare diseases have also been a core interest of research in human medical genetics in the past three decades. The reasons for this interest are complex. As monogenic diseases are typically rare, there is less pressure to find therapeutical solutions than for common diseases. There are also only very few individuals to address as research subjects. However, on the other hand, the genetic factors of those rare genetic diseases and the related dysfunctional effects are oftentimes easier to understand than that of less genetically determined complex diseases.</p> <p>Yet, to find out about the genetic factors contributing to common complex diseases, one needs either a high number of research subjects from general population willing to participate in a clinical study – or a population that is „genetically isolated“ and shows a high prevalence of the disease. The choice of “genetic isolates” for medical studies requires small sample sizes and hence reduced costs for genetic sequencing. This way the “rare” DNA become a source of “biovalue”, a “national resource” and an asset for sequencing consortia and biotechnological companies.</p> <p>To approach such a „genetically isolated population“, however, means to interpret the historical and social situation of a group under a genetic paradigm and to frame the investigated unit in a problematic language (e.g. “endogamous group at high risk for genetic diseases”). Very often, populations that are considered „genetic isolates“ are socially marginalized, have experienced discrimination and persecution in their history and face a number of challenges up until today. If diseases (rare or common) are more prevalent in those communities than elsewhere in society, they often also experience the negative side of health disparities and obstacles in accessing public health systems. In the course, we will address medical genetic studies focusing on one of those „genetically isolated populations“ from a variety of perspectives, i.e. from the perspective of the life sciences and from the perspective of the social sciences and humanities. Informed by our interdisciplinary collaborations, throughout the course, we will reflect upon what it means to undertake an interdisciplinary research inquiry.</p>		
Specific Remarks	We strive for a mix across Majors. Up to 13 Places for Life Sciences students. For Elective module (Joker) course registration period III applies. Once registering for LAS students is completed, we will offer free places to students from other study programs.		



<b>Research Design</b>			
Course Number	00LE62S-LAS-CO0042	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	The Challenge of Interdisciplinarity	Module(s) (StuPo 2015)	Research Design across Disciplines
Open to Students	Year 4	Max. Enrollment	25
Prerequisites	Open to LAS students of all majors		
Instructor(s)	Dr. Liudmila Mikalayeva ( <a href="mailto:mikalayeva@ucf.uni-freiburg.de">mikalayeva@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 12-14h, AU 01036a Fri, 10-12h, KG 1023		
Course Description	<p>In the fourth year of LAS studies it is time to take stock of your knowledge on how to plan and conduct an independent research project. For this purpose, the course Research Design exposes you to the expectations to high quality research in different disciplines and encourages discussion on the differences and similarities across the areas of intellectual interests that you and other students will bring to the course. We will summarize, analyze and improve your ability to formulate a research goal, select an appropriate theory and method, and plan and manage a research project.</p> <p><i>Learning goals:</i></p> <p>You will refresh and deepen the following fundamental academic skills:</p> <ul style="list-style-type: none"> <li>▪ developing a research project from scratch (research design),</li> <li>▪ efficiently and correctly using sources,</li> <li>▪ taking an informed position in an academic debate,</li> <li>▪ selecting a suitable theory and method for research,</li> <li>▪ planning and constructing a clear and convincing argument,</li> <li>▪ writing according to academic standards, including formal aspects of presentation.</li> </ul> <p>As a result, we will also make sure you further develop self-management skills key to planning, managing and successfully completing longer or more complex research projects than previously in their studies. These skills include:</p> <ul style="list-style-type: none"> <li>▪ project planning,</li> <li>▪ time management,</li> <li>▪ management of roles and relationships in the project,</li> <li>▪ adjusting to audiences and expectations of different types of academic communication.</li> </ul> <p><i>Course structure:</i></p> <p>The course combines input from the lecturer and active discussion on readings with guided, but independent work on a research idea. I invite you to think about interesting research ideas even before starting the course. Review your previous studies to find a topic that makes you curious. In addition, you will need to choose and attend three academic talks at the University during the semester and prepare a short academic report on academic communication, based on this attendance.</p> <p>Course will always meet on Mondays, but some Fridays will be freed for independent work and reading.</p> <p><i>Course requirements:</i></p> <ul style="list-style-type: none"> <li>▪ preparation and active participation, including seminar discussions and group work with students from various Majors;</li> <li>▪ informal presentations of your progress on the research idea, in groups and for the whole class;</li> </ul>		

	<ul style="list-style-type: none"> <li>▪ research proposal, submitted in several steps, progressively building up from an idea to a comprehensive realistic plan (deadline January 14).</li> </ul> <p>It is possible, but not obligatory, to use this research proposal for your further studies such as the Bachelor thesis.</p>
Examination Details/Date	Course assessment completed during the teaching time. Written exam (paper) deadline - January 14, final deadline for examinations in the course – February 9.
Specific Remarks	Students from all Majors are invited to join, this is <u>not</u> a course exclusively aimed at students pursuing a social science topic. We aim to discuss research design principles across Majors and disciplines, so Major quotas may be used to avoid over-representation of one or two Majors in the course.

<b>Science in Context. An Introduction to Science and Technology Studies</b>			
Course Number	00LE62S-LAS-CO0017 00LE62V-LAS-CO0017	Teaching Period	semester
Study Area(s)	Core	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Knowledge in Context	Module(s) (StuPo 2015)	Science in Context
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	80
Prerequisites	none		
Instructor(s)	Prof. Dr. Veronika Lipphardt ( <a href="mailto:veronika.lipphardt@ucf.uni-freiburg.de">veronika.lipphardt@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Lecture Wed, 14-16h, KG 3042 Workgroups WG 1: Thu, 16-18h, Ph HS 4 WG 2: Thu, 18-20h, KG 1224		
Course Description	<p>This course introduces students to classical and recent approaches in Science Studies. To my understanding, STS (Science and Technology Studies) and HPS (History and Philosophy of Science) both contribute to Science Studies, an interdisciplinary field that draws from anthropology, sociology, political sciences, philosophy, history and cultural studies to explore what comes to count as scientific knowledge and why, and how science and technology are shaped by, intervene in and interact with the wider world. It invites students to reflect upon their own involvement in science and technology, to develop a critical understanding of the role of science and technology in the world, and to consider the impact and implications of their own work for society.</p> <p>In the common picture of science, science creates and accumulates knowledge by confronting the natural world, and it makes progress because of its systematic method. According to this narrative, different scientists should perform the same experiment in an identical way; scientists should be able to agree on important questions and considerations; and most importantly, different scientists considering the same evidence should accept and reject the same hypotheses. Scientists should be able to agree on truths about the natural world. Contrasting with these widespread assumptions, the course starts from the assumption that science is a heterogeneous, thoroughly social activity. It is social in that scientists are always members of communities, trained into the practices of these communities and necessarily working with them. These communities set standards for inquiry and evaluate knowledge claims.</p> <p>The course starts from basic tenets of Science Studies scholars, such as: science has a history (or, in fact, multiple histories); science is embedded in practices; science is a social endeavour; science is involved in struggles for power; the knowledge produced in the sciences is controversial, negotiated, and/or stabilized; science oscillates between the local and the universal; scientific knowledge emerges in transfers.</p> <p>However, regarding scientific knowledge as socially shaped does not mean that scientific knowledge is not correct or not trustworthy. Yet instead of prioritizing questions such as „Which knowledge is a good truth claim“ or „valid/ unvalid“, or „false/correct“, the course encourages students to ask questions such as „How is scientific knowledge produced, negotiated, stabilized, and circulated?“ – „How does scientific knowledge shape our life worlds?“ – „What does it mean to live in a knowledge based society?“ – „What are the gaps between data and truth claim? How do scientists decide for a specific way to overcome them?“ and, oriented towards social, ethical and political relevance: „If it is imperative to base decisions on knowledge claims, how can one deal with this in a reflected and responsible way?“ – „How (if at all) can we resolve conflicts between competing truth claims; how can we make decisions in the light of competing truth claims?“</p>		

Recommend- ed Reading	Sismondo, Sergio: An Introduction to STS, 2010
Examination Details/Date	Portfolio, due 4 weeks after last workgroup session
Specific Remarks	Students need to register for one of the workgroups. Registration for the lecture is not possible and not necessary.

**4.2 Study Area: Life Sciences**

<b>Current Topics in the Life Sciences - Life Sciences in the Media and Beyond</b>			
Course Number	00LE62S-LAS-LS0024	Teaching Period	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	Introduction to Life Sciences, Cell Biology and Biochemistry		
Instructor(s)	Dr. Martin Zeeb ( <a href="mailto:martin.zeeb@gmx.de">martin.zeeb@gmx.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Tue, 16-18h, AU 01065 Fri, 14-16h, Ph HS1		
Course Description	<ul style="list-style-type: none"> <li>▪ Brokkoli kills cancer cells!</li> <li>▪ Motherless babies!</li> <li>▪ AIDS cured!</li> <li>▪ World hunger solved!</li> </ul> <p>Results of life science research commonly appears in the media. However, many of these reports are misrepresented, exaggerated, and/or misunderstood. Or are they?</p> <p>In this course we will explore the scientific background behind the most recent “scientific” headlines in common media, be it newspapers, tabloids, podcasts, or television. We will accurately collect technological and scientific foundations of the given article and discuss its significance and potential impact on society. We will then go on to read and understand the underlying primary research publication and discuss its methodology and results in detail. Finally, we will correct and conclude the original article.</p> <p>Every week marks a new adventure. A new article and thus topic. The students will select which article to discuss from a given list of suggestions and then prepare their questions at home. After an initial face-to-face introductory session, students are required to read the original publication at home. The second session discusses the publication and sums up the topic. In this seminar, Students will learn to discern the factual basics of a media article, understand and question contemporary primary research articles and assess their relevance for the public.</p>		
Examination Details/Date	01.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		

<b>Human Physiology</b>			
Course Number	00LE62S-LAS-LS0010	Teaching Period	semester
Study Area(s)	Life Sciences, Electives for other majors only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Physiology	Module(s) (StuPo 2015)	Physiology
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Life Sciences, Cell Biology and Biochemistry		
Instructor(s)	Dr. Martin Zeeb ( <a href="mailto:martin.zeeb@gmx.de">martin.zeeb@gmx.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 16-18h, Ph HS3 Wed, 16-18h, AU 01065		
Course Description	<p>Why is it so hard to get up in the morning? And why do some people grow dizzy after doing so? Why do I get sleepy after eating? And why do I get fat when eating too much? Why am I thirsty after a night of drinking? How am I still not sick, despite the bad weather? And why do I not remember the first question?</p> <p>It is easy to overlook the marvelous functions our body performs routinely and on a day-to-day basis for decades. In this course we will analyze, discuss, and elaborate on the mechanisms, principles, and interactions underlying human life and its manifold functions, i.e. physiology. Starting with the basic principles of cells and their biochemistry and function, and continuing with coordination and cooperation of these cells within tissues, the course will cover the major human organs and their functions. This will include a detailed examination of nervous function and the brain, of muscle contraction and the skeleton, of gas exchange and transport within the cardiovascular system, and many more. A more indepth look will be provided of the digestive system including substance uptake and excretion, energy metabolism and the affected organs.</p> <p>The course will include an individual presentation of the participants and practical interludes. Therefore, it will allow the students to actively contribute to the course contents and immediately experience key body functions first hand, respectively. Thus, we will answer all the aforementioned questions and many more.</p>		
Recommended Reading	Tortora, G (2017) Tortora's principles of anatomy & physiology (Reading Room: NT/Tor/1-1)		
Examination Details/Date	30.01.2019		
Specific Remarks	none		

**4.3 Study Area: Culture and History**

<b>Apocalyptic and Post-apocalyptic Writings</b>			
Course Number	00LE62S-LAS-CH0042	Teaching Period	semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Contemporary Art, Literature, Aesthetics, or Music Advanced Culture and History I or II Elective module (Joker)	Module(s) (StuPo 2015)	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	Introduction to Culture and History		
Instructor(s)	Prof. Jon Adams ( <a href="mailto:jon.adams@slackwaterpress.com">jon.adams@slackwaterpress.com</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 10-12h, AU 01065 Wed, 10-12h, AU 01065		
Course Description	This course is on apocalyptic and postapocalyptic writing in the United States. Stories of the apocalypse are cautionary tales, that is, they tend to be didactic because they imply a warning about the future direction of mankind. Stories of the apocalypse have a long history, reaching back at least as far as the biblical Four Horsemen of the Apocalypse. Stories of the postapocalypse are more recent and are more complex because they tend to deal with life both before and after the catastrophe. Both apocalyptic and postapocalyptic stories have two major types. As T. S. Eliot suggests, "This is how the world ends, not with a bang but with a whimper." So the end of the world, or the end of the world as we know it, is either a sudden catastrophe or a slow slide into cultural and social chaos.		
Recommended Reading	Texts will include: Max Brooks, World War Z; George R. Stewart, Earth Abides; Pat Frank, Alas, Babylon; Octavia E. Butler, Parable of the Sower; Cormac McCarthy, The Road; Margaret Atwood, Oryx and Crake.		
Examination Details/Date	28.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		

<b>History of World Philosophy</b>			
Course Number	00LE62S-LAS-CH0045	Teaching Period	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	20
Prerequisites	Introduction to Culture and History		
Instructor(s)	PD Dr. Tobias Henschen ( <a href="mailto:tobias.henschen@ucf.uni-freiburg.de">tobias.henschen@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 16-18h, Ph HS4 Wed, 16-18h, KG 1034		
Course Description	This course will offer a comparative introduction to the history of the philosophical traditions of Europe, America, Asia and Africa. We will consider the most important questions that have been debated in these traditions: How should we live? What is the self? How does the self relate to others? What is the ultimate nature of reality? How can we come to know that reality? Do divine entities or a hereafter exist? When considering these questions, we will also analyze the more general question of whether morality and truth are relative to culture. Central readings will include works by Confucius, Plato, Aristotle, Augustine, Maimonides, Ibn Sina (Avicenna), Descartes, Leibniz, Hume, Kant, Nietzsche and Hindu and Buddhist writings.		
Examination Details/Date	15.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		



<b>Imprisonment in Western Culture</b>			
Course Number	00LE62S-LAS-CH0043	Teaching Period	semester
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Sociocultural Anthropology or Area Studies Advanced Culture and History I or II Elective module (Joker)	Module(s) (StuPo 2015)	Sociocultural Anthropology or Area Studies 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. Sarah Katrib ( <a href="mailto:sarah.katrib@yahoo.com">sarah.katrib@yahoo.com</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 18-20h, Ph HS4 Wed, 18-20h, AU 01065		
Course Description	Theories and representations of imprisonment can be ways of understanding Western Culture. They reveal the different conceptions of the individual, of freedom, but also the evolutions of society. Based on comparative analyses of literary and theoretical texts, as well as works of art, this course aims at defining the outlines of a history of imprisonment through various periods and countries. The methodological interest is the variety of angles of approach that students might discover: they learn how to analyze a scene of a drama, an extract from a novel, a philosophical essay, or a drawing.		
Examination Details/Date	09.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		

<b>Mapping Roman Frontiers</b>			
Course Number	00LE62S-LAS-CH0046	Teaching Period	semester
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 Specialization Option: Culture Specialization Option: History Elective module (Joker)	Module(s) (StuPo 2015)	Culture and History Up to the Early Modern Period Advanced Culture and History I, II or III Specialization Option Culture and History I or II Elective module (Joker)
Open to Students	Year(s) 2, 3, 4,	Max. Enrollment	20
Prerequisites	Introduction to Culture and History		
Instructor(s)	Dr. Laura Fabian ( <a href="mailto:l.fabian@geschichte.uni-freiburg.de">l.fabian@geschichte.uni-freiburg.de</a> ) Dr. Eli Weaverdyck ( <a href="mailto:eli.weaverdyck@geschichte.uni-freiburg.de">eli.weaverdyck@geschichte.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Tue, 12-14h, Ph HS4 Thu, 12-14h, AU 01065		
Course Description	<p>Every school child has seen a map of the Roman Empire. The edges of the empire are bright lines following rivers and deserts, dividing 'civilized' space where people wear togas and read Cicero from the wild lands of 'barbarians.' These maps, first drawn at a time when contemporary European nationstates and empires were developing, project the modern idea of bounded and defined territories into the ancient world. They also locate the processes of cultural interaction firmly at these linear borders, and place those processes within the context of political control. Cultural interaction takes place at the checkpoint. The reality of ancient frontier zones was, however, far more complex and dispersed. Furthermore, how we understand the Roman frontiers has been shaped by a focus on only one set of borders: those found in Europe along the Rhine and the Danube at the height of the Roman Empire. This has led inevitably to a Euro-centric and static view of the phenomenon.</p> <p>This course examines the complexity of frontier zones in the Roman world by investigating the story of expansion and interaction in a selection of different borderlands, tracing the long-term dynamics of cultural contact, change, and imperial control. Using ancient literary accounts as well as archaeological remains and documents we will also explore how the act of mapping these spaces affects our understanding of the historical dynamics of empire. How have maps shaped our understanding of the ancient world in the past? How can new forms of digital cartography help us tell different stories and arrive at different conclusions? Students will become familiar with several different digital mapping technologies as well as the ways in which they can be applied to historical and humanistic inquiry.</p>		
Examination Details/Date	15.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		

**4.4 Study Area: Governance**

<b>Diplomatic Practice</b>			
Course Number	00LE62S-LAS-GO0040	Teaching Period	semester
Study Area(s)	Governance, <u>Electives for other majors only</u>	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Politics, Law, Administration Advanced Governance I or II	Module(s) (StuPo 2015)	Advanced Governance I or II Specialization Option Governance I and II
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Malgorzata Hoffmann ( <a href="mailto:malgorzata.hoffmann@ucf.uni-freiburg.de">malgorzata.hoffmann@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 10-12h, KG 1236 Wed, 10-12h, KG 1032		
Course Description	<p>What is it like to be a diplomat and who can become one? How do foreign services operate and how are the embassies organized? Do historically shaped diplomatic procedures still make sense in the world of Twitter? How do the employees of foreign service gather intelligence and how they influence business and political relations between countries? What are the challenges of contemporary immigration and consular work?</p> <p>The course "Diplomatic Practice" will consist of 20 sessions. Ten sessions will introduce students to theories and terms used in diplomatic language, historical overview, legal frame, and concepts of public, commercial, sports, cultural and cyber diplomacy. In addition, the structures of foreign services will be presented and details of work inside of the embassies. Work of consular, immigration and intelligence officers will be discussed.</p> <p>Ten practical sessions will equip students with knowledge and skills desired in diplomatic world. The examples used will be drawn from real life situations and documents used by foreign service. We plan to organize a Q&amp;A session with an active diplomat. Each week will combine 1 theoretical session and 1 practical.</p> <p>After successfully participating in this course you will be able to understand the basics of history, legal frames, structures and challenges of contemporary diplomacy. You will be able to use diplomatic terms and to apply diplomatic protocol. You will know what knowledge and skills are required from diplomats and you will be informed about employment opportunities including pros and cons of the jobs.</p> <p>The lecturer is practitioner, educated on graduate level in Poland and Canada, with 7 years of work experience for the British Embassy (Trade &amp; Investment Adviser, Justice &amp; Home Affairs Officer, Economic Officer, Training Liaison Officer, Executive Coach, Line Manager, Immigration Officer).</p>		
Examination Details/Date	<p>Active participation and presentation: 30% (students come up with own project for 10 minutes presentation with help and feedback of instructor)</p> <p>Handout on employment procedures in selected diplomatic organizations: 10%</p> <p>Written exam (1,5h): 60% (questions will include topics of theoretical sessions and will be discussed during lectures).</p>		
Specific Remarks	Senior students have priority in this course.		

<b>Economic Crises - History, Causes and Consequences</b>			
Course Number	00LE62S-LAS-GO0041	Teaching Period	semester
Study Area(s)	Governance, <u>Electives for other majors only</u>	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Economics, Advanced Governance I or II	Module(s) (StuPo 2015)	Economics, Advanced Governance I or II
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	PD Dr. Tobias Henschen ( <a href="mailto:tobias.henschen@ucf.uni-freiburg.de">tobias.henschen@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 18-20h, AU 01042 Wed, 18-20h, AU 01042		
Course Description	<p>The financial crisis of 2007-2009 and the ensuing European debt crisis have been the last in an unedifying series of economic crises that can be traced back to early modern times or even beyond. Most of these crises come with a high social cost of recessions, stock market crashes, currency devaluations, sovereign defaults, or dissolving political landscapes. The more immediate causes of these crises include sudden losses of confidence in investing; inflated prices of companies, stocks and real estate; irrational exuberance (of people who e.g. buy houses they cannot afford); lax financial regulation; unethical banking practices; sharp and sudden decreases in interbank lending; lousy rating agency performances, etc. Among the less immediate causes we possibly find causes inherent to a capitalist system of production.</p> <p>This course will focus on the issue of economic crises from an interdisciplinary perspective. It will prepare the ground by surveying the history of economic crises across the world for the past two centuries and place particular emphasis on the Great Depression, the so-called Great Recession, and the Eurozone crisis of 2010-2013. It will then consider some of the consequences that political scientists sometimes argue arise from economic crises: e.g. the destabilization of party systems and the rise of populist parties. It will finally and most importantly deal with the economic literature on the causes of economic crises and the policy measures of mitigating them: with largely non-technical work by mainstream economists, Austrian and Marxist economists, complexity economists and business ethicists.</p>		
Recommended Preparation	Kindleberger, C. P. and R. Z. Aliber, Manias, Panics, and Crashes. A History of Financial Crises. Seventh Edition. Palgrave Macmillan, 2015 Watch the movie The Big Short or the documentary Inside Job.		
Examination Details/Date	Graded: response papers, presentation, essay. Deadline: Feb 15, 2019 Ungraded: active and regular participation based on thorough preparation.		
Specific Remarks	Second-year students will have priority when taking the course for the module Economics.		

<b>International Organizations</b>			
Course Number	00LE62S-LAS-GO0043	Teaching Period	semester
Study Area(s)	Governance only, <u>not</u> Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Advanced Governance III, Specialization Option: Politics, Law and Administration	Module(s) (StuPo 2015)	Advanced Governance III Global Governance Specialization Option: Governance I or II
Open to Students	Year(s) 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Governance		
Instructor(s)	Dr. Liudmila Mikalayeva ( <a href="mailto:mikalayeva@ucf.uni-freiburg.de">mikalayeva@ucf.uni-freiburg.de</a> ) Dr. Stoyan Panov ( <a href="mailto:stoyan.panov@ucf.uni-freiburg.de">stoyan.panov@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Tue, 12-14h, KG 1021 Thu, 12-14h, AU 01036a		
Course Description	<p>This course combines political science and law perspectives on international organizations (IOs) and is divided in two parts.</p> <p>In the first part, focusing on International Relations (IR) and taught by Liudmila Mikalayeva, we address the following questions:</p> <ol style="list-style-type: none"> <li>(1) What are IOs? What are the main theoretical perspectives on their roles, agency and interaction with other actors, developed within the discipline of international relations?</li> <li>(2) How are IOs organized? Who are their employees, how do they work and interact?</li> <li>(3) What do IOs do? How do they set standards and monitor compliance?</li> <li>(4) What are the IOs' resources and limitations?</li> </ol> <p>This part of the course is organized as a seminar with discussions of home readings, students presentations (by choice) and group work. A short research paper, due on January 7, closes this component of the course.</p> <p>The second half of the course is taught by Stoyan Panov and is dedicated to essential topics of the law of international institutions, which deals with significant aspects of IOs such as the identification and function of traditional international legal actors in the international legal order, membership of IOs, functioning and decision-making processes of IOs, settlement of disputes of IOs in the international legal order, the role of IOs in the creation of international law (treaties, custom, general principles, legal status and law making, immunities, and responsibility and supervision of IOs in international law, among others), and the consequences of breaches of International Law by IOs and relevant international dispute settlement mechanisms. Special emphasis will be cast on the legal aspects of the UN and the UN Security Council. A sample of fundamental questions that we will try to answer in this part of the course:</p> <ol style="list-style-type: none"> <li>(1) Who creates international organizations? What entities could be considered IOs?</li> <li>(2) What is the role of IOs in law making on international level?</li> <li>(3) How does International Law regulate IOs?</li> <li>(4) What are the consequences of breaches of International Law by IOs?</li> <li>(5) Do IOs follow human rights law? Do IOs have the responsibility to protect human rights?</li> </ol>		
Recommended Reading	Please contact the lecturers for suggestions.		
Specific Remarks	We recommend taking this course for Advanced Governance III. Having taken International Relations and Institutions and/or Public International Law is a plus.		

<b>Political Theory</b>			
Course Number	00LE62S-LAS-GO0013	Teaching Period	semester
Study Area(s)	Governance, <u>Electives for other majors only</u>	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Theoretical Foundations and Hermeneutical Methods	Module(s) (StuPo 2015)	Theoretical and Philosophical Foundations of the Social and Political Sciences
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	22
Prerequisites	none		
Instructor(s)	Dr. Elina Schleutker ( <a href="mailto:elina.schleutker@ucf.uni-freiburg.de">elina.schleutker@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 16-18h, HS 6 (Wilhelmstr. 26) Wed, 16-18h, KG 1032		
Course Description	<p>Should there be limits to free speech? Is affirmative action good for equality? Is progressive taxation fair? Come and debate these and similar question during the WS in the course Political Theory. In this course, we will study some core ideas of political theory, and get familiar with the work of the brightest minds of the Western political thought. The aim of the course is to discuss politically controversial topics, and approach these from different theoretical perspectives. This course uses problem based learning as a method of instruction. In other words, the students are expected to discuss the course material intensively and actively in groups of 4-5 students.</p> <p><i>Learning outcomes:</i></p> <ul style="list-style-type: none"> <li>▪ Students will learn to relate political arguments employed by politicians and other debaters to the different traditions of political theory</li> <li>▪ Students will learn to understand their own political opinions in relation to thinkers such as Marx and Mill</li> <li>▪ Students will learn to approach politically controversial topics from several different perspectives</li> <li>▪ Students will learn to formulate their own opinions in an academically sound way</li> </ul>		
Recommended Reading	<p>Hoffman, John, and Paul Graham (2015): <i>Introduction to Political Theory</i>. London and New York: Routledge.</p> <p>Mill, John Stuart (1859): <i>On Liberty</i>.</p> <p>Marx, Karl, and Friedrich Engels (1848): <i>Manifesto of the Communist Party</i>.</p>		
Examination Details/Date	<p>Pass/fail: Regular attendance of classes and active participation in group work and exercises.</p> <p>Graded component: Written assignments.</p> <p>Submission of the final part of the examined material will be due on the 11<sup>th</sup> of February 2019.</p>		
Specific Remarks	<p>Students from other majors are <u>explicitly invited</u> to participate in this course.</p> <p>Please contact the course instructor by email during the week 36 in case you would like to obtain the full course syllabus before you register to the course.</p>		



<b>Principles of Law</b>			
Course Number	00LE62S-LAS-GO0004	Teaching Period	semester
Study Area(s)	Governance, <u>Electives for other Majors only</u>	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 ( <a href="mailto:stoyan.panov@ucf.uni-freiburg.de">stoyan.panov@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 10-12h, AU 01036a Wed, 10-12h, KG 1021		
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, Marxism, 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, legal interpretation techniques common among various legal orders. Part III centers on the practical 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. The course readings include various legal cases dealing with freedom of expression, freedom of political association, the right to life, the prohibition of torture, marriage equality and non-discrimination, affirmative action, criminal liability, among others.</p> <p>Upon successful completion of this course:</p> <ol style="list-style-type: none"> <li>(1) Students should be able to understand, analyze and apply the main principles of law;</li> <li>(2) Students should be able to identify and interpret differences in the jurisprudential approach towards fundamental principles of various legal orders;</li> <li>(3) Students should be able to clearly use appropriate legal language;</li> <li>(4) Students should become aware of theoretical and practical problems in understanding the law and its main principles.</li> </ol>		
Examination Details/Date	<p>Pass/fail: Regular attendance of classes and active participation in group work and exercises. Graded component: Written assignments, and/or presentations, and written exam or final paper/project.</p> <p>Submission of the final part of the examined material will be due in the period of 6-8 February 2019.</p>		
Specific Remarks	Governance students need to complete the module Law in their second year of studies. A limited number of places reserved for <u>students from other Majors</u> .		

<b>The Politics of Life - An Introduction to Biopolitics</b>			
Course Number	00LE62S-LAS-GO0030	Teaching Period	semester
Study Area(s)	Governance, <u>Electives for other majors only</u>	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Politics, Law, Administration	Module(s) (StuPo 2015)	Specialization Option: Governance I or II
Open to Students	Year(s) 3 ,4, 2 (upon request)	Max. Enrollment	20
Prerequisites	Introduction to Governance, Political Theory (for Governance students only)		
Instructor(s)	Dr. Carol-Ann Galego ( <a href="mailto:cagalego@gmail.com">cagalego@gmail.com</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 16-18h, KG 1019 Wed, 16-18h, KG 1021		
Course Description	<p>This course is designed to introduce students to biopolitics, which, broadly understood, refers to a proliferation of studies, claiming Michel Foucault as an inspiration, that explore the relations between 'life' and 'politics.' Our conceptual starting point will be Foucault's analysis of biopower, a modern exertion of power that developed alongside the life sciences and distinguished itself from ancient forms of sovereign power with its mandate to promote, enhance, and foster 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 whether, if at all, we can differentiate between uses of biological and medical technologies that improve the duration and quality of life from those that systematically discriminate against certain segments of the population. By extension, how can we ensure that the designation of certain kinds of life deemed worthy of protection is not inadvertently implicated in the systematic exposure of another kind of life to violence and death?</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, Judith Butler, Michael Hardt and Antonio Negri. After familiarizing ourselves with the various meanings and uses of key biopolitical concepts (including sovereign power, biopower, biopolitics, anatomo-politics, state of exception, and bare life), we will attempt to apply these concepts to historical and contemporary examples from the public health and political sectors, covering a range of topics, including vaccination, eugenics, racism, speciesism, nationalism, and migration. Students will be encouraged to draw on their own research interests: biopolitics is an incredibly vast and varied field.</p>		
Recommended Reading	Students interested in the course are encouraged to read "Right of Death and Power over Life" and/or "Society Must be Defended" by Michel Foucault for a sample of the content, style, and difficulty level of the course readings. Both readings can be found in Biopolitics: A Reader (2013), which is available in UCF's Reading Room.		
Examination Details/Date	<p>Course requirements:</p> <ul style="list-style-type: none"> <li>▪ Weekly preparation of readings and class discussion (10%)</li> <li>▪ Seminar presentation (20%)</li> <li>▪ Short seminar paper (750-1000 words) OR "PechaKucha" 20x20 presentation (20%)</li> <li>▪ Formal response to a fellow student's seminar presentation (15%)</li> </ul>		
Specific Remarks	Second-year students can only participate upon request. Senior students from other Majors are welcome.		



**4.5 Study Area: Multiple**

<b>Colloquium Science and Technology Studies</b>			
Course Number	00LE62S-LAS-IN0002	Teaching Period	semester
Study Area(s)	Electives	Credit Points	3 ECTS
Module(s) (StuPo 2012)	Elective module (Joker)	Module(s) (StuPo 2015)	Elective module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	for LAS students who want to obtain credit points: Science in Context Module.		
Instructor(s)	Prof. Dr. Veronika Lipphardt ( <a href="mailto:veronika.lipphardt@ucf.uni-freiburg.de">veronika.lipphardt@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar bi-weekly, exact dates tba Wed, 12-14h, AU 01065		
Course Description	In this Colloquium, we will discuss current research in Science and Technology Studies (STS) and History of Science. Furthermore, we will discuss students' research projects in these fields. Anybody interested in Science (and Technology) Studies is very welcome..You can only receive ECTS on Studienleistung, there is no Prüfungsleistung.		
Specific Remarks	This colloquium is open to anybody interested in STS.		

<b>Empires Across Eurasia - 1750 to 1918</b>			
Course Number	00LE62S-LAS-CHGO0005	Teaching Period	semester
Study Area(s)	Culture and History, Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Culture and History Since the Early Modern Period Advanced Culture and History I or II Advanced Governance I or II Electives module (Joker)	Module(s) (StuPo 2015)	Culture and History Since the Early Modern Period Advanced Culture and History I, II or III Regional Governance Advanced Governance I or II Electives module (Joker)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	Introduction to Culture and History OR Introduction to Governance		
Instructor(s)	Dr. Iannis Carras ( <a href="mailto:ianniscarras@hotmail.com">ianniscarras@hotmail.com</a> ) Michel Abeßer ( <a href="mailto:michel.abesser@geschichte.uni-freiburg.de">michel.abesser@geschichte.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 8-10h, AU 01036a Wed, 8-10h, AU 01036a		
Course Description	<p>Empire is back. Up until the end of the 20th century empires receded in the historical imagination. Since then they have re-emerged in a number of forms including renewed interest in colonialism and post-colonialism. The aim of this course will be to examine the history and theory of empire with a focus on the struggle for control of the Eurasian landmass in the period between the mid-18th century and the First World War.</p> <p>The focus will be on systemically important states (British India, Russia, the Ottoman Empire and - depending on the number of students enrolled - China) that sought to control swathes of Eurasia during the 18th and 19th centuries. Major threads that allow for a comparison between Eurasian Empires will be their organization, their ideology and the experience of the subjects of Empire. This opens the door to topics that remain relevant such as the interaction of empires in an interstate system, violence, race, gender, movement and globalisation, reconfiguration of space, cosmopolitanism and hybridity. Case studies will be used to illustrate salient themes.</p> <p>The approach to the course will be both narrative and comparative. The course will serve as an introduction to the study of history of Eurasia at university level. Students will also be trained in the practice of history with a specific focus on analysing primary sources (the written word, visual material and statistical data). Equally, international relations and political sciences approaches to comparing and contrasting empire will be discussed.</p>		
Examination Details/Date	09.02.2019		
Specific Remarks	For Elective module (Joker) registration periods II and III apply.		

<b>Environment, Risks, and Us</b>			
Course Number	00LE62S-LAS-LSEE0002	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Life Sciences, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Human and Health Specialization Option: EES I or II Advanced Life Sciences I, II Elective module (Joker)	Module(s) (StuPo 2015)	Human and the Environment Specialization Option: EES I or II Advanced Life Sciences I, II or III 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 Life Sciences		
Instructor(s)	Dipl.-Chem. Ismene Jäger ( <a href="mailto:info@oekologischesetze.de">info@oekologischesetze.de</a> ) Prof. Dr. Dirk Bunke ( <a href="mailto:D.Bunke@oeko.de">D.Bunke@oeko.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Seminar Mon, 16-18h, Ph HS4 Wed, 16-18h, AU 01036a		
Course Description	<p>In this course students explore the manifold impacts of human activities on the environment and resulting risks – for human health as well as for the environment. The course aims to create an understanding of present sources for environmental pollution, alternative options to act as well on regulatory and voluntary steps for abatement. Based on examples from everyday life products, several groups of pollutants and their sources will be introduced. Examples are given to show the environmental fate of chemicals and mechanisms how chemicals can interfere with organisms. In addition, students develop basic skills in environmental risk assessment and management strategies. The course will include topics such as properties of eco-labels, assessment of chemicals e.g. chemicals in products from your everyday life, ecotoxicology, assessment of contaminants in surface/drinking waters and their effects on human health, environmental pollutants and their effect on animals, their regulation and their substitution.</p> <p>The course also includes 2 excursions and several practical examples</p>		
Specific Remarks	Excursion on Friday possible For Elective module (Joker) registration periods II and III apply.		

<b>Geographic Information Systems (GIS)</b>			
Course Number	00LE62S-LAS-GOLSEE0001	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Governance, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Culture Specialization Option: History Quantitative and Qualitative Methods (Governance) Specialization Option: EES I or II	Module(s) (StuPo 2015)	Specialization Option: Culture and History I or II Quantitative and Qualitative Methods (Governance) Specialization Option: EES I or II, Analytical Methods
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	20
Prerequisites	none		
Instructor(s)	Dr. Steffen Vogt ( <a href="mailto:steffen.vogt@geographie.uni-freiburg.de">steffen.vogt@geographie.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-13.11 Tue, 8-12h, CIP 3 (Herder-Gebäude, Tennenbacher Str. 4) Thu, 8-12h, CIP 3 (Herder-Gebäude, Tennenbacher Str. 4)  10.12-9.2 Tue, 12-14h, Ph HS2 Thu, 12-14h, Ph HS2		
Course Description	<p>Geographic Information Systems (GIS) refer to the collection, analysis, storage and display of data which have a spatial reference to the Earth. Geographic Information Systems have broad applications in natural and social sciences, humanities, environmental studies, engineering, and management. Examples include wildlife habitat studies, urban and regional planning, agriculture and forestry, environmental impact assessment, crime prevention, consumer and competitor analysis, and many more. Integrated into web applications, GIS is also used increasingly to display, structure and communicate information and data to the general public (e.g. FreiGIS <a href="http://www.freiburg.de/pb/,Lde/432515.html">http://www.freiburg.de/pb/,Lde/432515.html</a>).</p> <p>This course introduces the concepts and components of a GIS and teaches some essential skills of operating a functional GIS through the use of the ArcGIS software package. After providing the basic operational skills, the course will deal with selected cases of GIS application in different disciplines.</p> <p>By completing this course, students will understand the characteristics of spatial data, operational processes of creating and editing spatial data, integration of available spatial data and the relevance of metadata, spatial query and display, and some simple spatial analysis and modeling techniques.</p> <p>In a self-dependent supervised study project during Block I and whole Block II after the intensive course students will practice the interpretation of spatial information. "Though GIS is excellent at finding patterns and apparent relationships, the human brain is also a key element in the final product which, as so often, takes the form of words" (Gregory et al. 2009, Environmental Sciences).</p> <p>The course starts with a intensive course in Block I, followed by a independent study project.</p> <p>This course is highly recommended for students who intend to specialize or master in disciplines of the above-mentioned fields, especially Earth &amp; Environmental Sciences - and Governance students.</p>		
Specific Remarks	Students majoring in Earth and Environmental Sciences have priority.		

<b>Maths and Physics</b>			
Course Number	00LE62VS-LAS-LSEE0003	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Life Sciences, <u>Electives for other majors only</u>	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Mathematics and Physics for the Liberal Arts and Sciences	Module(s) (StuPo 2015)	Mathematics and Physics for the Liberal Arts and Sciences
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	45
Prerequisites	Introduction to Earth and Environmental Sciences and/or Introduction to Life Sciences A voluntary but highly recommended pre-block course will take place to prepare for this course (see Pre-Course Maths and Physics, page 11)		
Instructor(s)	Dr. Benoit Louvel ( <a href="mailto:benoit.louvel@ucf.uni-freiburg.de">benoit.louvel@ucf.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Lecture Mo, 8-10h, Ph HS4 Wed, 8-10h, Ph HS4  Workgroups WG 1: Fri, 10h-12h, AU 01036a WG 2: Fri, 12-14h, KG 1023		
Course Description	In this course, Mathematics will be introduced from two points of view: Mathematics as a natural tool in Science, and Mathematics in the context of Number Theory. The first part of the course will present Mathematics as a necessary tool in the formalism of any scientific approach. In the second part, basic concepts of Classical Mechanics necessary for the understanding of nature will be introduced as an application of the first part. In the third part, fundamental concepts in Number Theory - from ancient maths to most challenging problems not yet resolved - will be addressed in order to put the student in contact with the abstraction of pure Mathematics.		
Examination Details/Date	Midterm Exam: Nov 28, 2018 Final Exam: Feb 06, 2019		
Specific Remarks	Students majoring in Earth and Environmental Sciences or Life Sciences have priority, Students need to register for one of the workgroups. Registration for lectures is not possible and not necessary.		

## 5 Courses of other Degree programs

### 5.1 Study Area: Earth and Environmental Sciences - Sustainable Systems Engineering

Energy Economics and Energy Policy			
Course Number	11LE68V-5555	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4	Max. Enrollment	left-over places
Prerequisites	Advanced EES students		
Instructor(s)	Prof. Dr. Anke Weidlich, Dr. Goldschmidt		
Format, Dates, Times and Rooms	15.10-9.2 Thu, 12-16h, SR 02-017 (G.-Köhler-Allee 052) For changes, see HISinOne		
Course Description	<p>Lecture/Seminar:</p> <p>The students know and understand the structure of an energy sector for the example of Germany, and are able to systematically assess the structures of other energy markets. They can name different energy policy instruments and explain their working mechanism. They understand the impact of current developments in regulation and policy on the energy sector. They understand the role of non - technical aspects such as belief - systems, vested interests and informal networks in shaping these regulations. The students are able to perform economic calculations that help to assess the profitability of investments in the energy sector. They are able to critically assess energy scenarios. They know about the functioning of different energy markets and their possible future developments with rising shares of renewable energy</p> <p>See also HISinOne</p>		
Specific Remarks	<p>This course is open to advanced EES students only.</p> <p>LAS students register for the course and the exam in HISinOne. It is necessary to register for lectures AND workgroups if applicable. You can find the course in your Planner of Studies in the Electives area (Courses/modules of other degree programs - Modules Technical Faculty). For this course, LAS students do <u>NOT</u> need to additionally apply for credit recognition for courses of other degree programs at the University of Freiburg. Students need to approach the lecturers at the beginning of the course to demand if extra work is required to receive 6 instead of 5 ECTS (which is necessary for the recognition as a major course).</p> <p>LAS students who wish to have the course recognised in one of the major modules, must apply for change of module after the course (once the grades have been entered to HISinOne). The application form for change of module is available in the examination office.</p> <p><b>!!!! For course and exam registration, dates of the technical faculty apply !!!!</b></p> <p>Semester- und Vorlesungszeiten an der TF:  <a href="http://www.studium.uni-freiburg.de/de/fristen-und-veranstaltungen/semester-und-vorlesungszeiten">http://www.studium.uni-freiburg.de/de/fristen-und-veranstaltungen/semester-und-vorlesungszeiten</a></p> <p>Belegphasen und weitere Termine:  <a href="http://www.tf.uni-freiburg.de/de/studium-lehre/termine">http://www.tf.uni-freiburg.de/de/studium-lehre/termine</a></p> <p>Termine und Fristen rund um Prüfungen an der TF:  <a href="http://www.tf.uni-freiburg.de/de/studium-lehre/a-bis-z-studium/abmeldung-von-pruefungen">http://www.tf.uni-freiburg.de/de/studium-lehre/a-bis-z-studium/abmeldung-von-pruefungen</a></p> <p>For questions contact: Dr. Sabine Sanè – <a href="mailto:sabine.sane@ucf.uni-freiburg.de">sabine.sane@ucf.uni-freiburg.de</a></p>		

<b>Energy Storage</b>			
Course Number	11LE68V-8010	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4	Max. Enrollment	left-over places
Prerequisites	Successful completion of the course Energy (Technologies) at UCF		
Instructor(s)	Dr. Matthias Vetter		
Format, Dates, Times and Rooms	15.10-9.2 Wed, 8-10h, G.-Köhler-Allee 101, Seminar 00-010/014 Thu, 8-10h, G.-Köhler-Allee 101, Seminar 00-010/014 For changes, see HISinOne		
Course Description	<p>Introduction and motivation energy storage (electric, thermal, PtG): Large-scale integration of renewable energies and the role of energy storage; Technical requirements of power grids; Overview energy storage options and applications; Key parameter of energy storage systems; Technical requirements of storage systems; Economic analyses for storage systems</p> <p>Basics of energy storage systems: Mechanical (pumped hydro, CAES, fly wheels); Electric (SuperCaps); Electrochemical (Lead-acid, NiCd, NiMh, Lithium-ion; Sodium-ion; NaS / NaNiCl); thermal storage systems; chemical storage and PtG systems</p> <p>Design of battery systems (focus Lithium-ion): Test and characterization of cells; Battery module and system design (components, construction, cooling); Safety issues; Battery management; Thermal management; System integration (system options, power and communication interface); Peripheral components (inverter, energy management)</p> <p>Design of thermal storage systems: Description of technologies: sensible heat storage, latent heat storage, thermochemical storage. technical applications: long term storage, short term storage, from cold storage to high temperature storage. Component and system layout, best case examples, limits and future expectations</p> <p>Design of hydrogen storage and PtG systems: different system layouts and main components of hydrogen and PtG storage systems, water electrolysis as core component for PtG systems, advantages and drawbacks for repowering in fuel cells and thermal engines, best case examples of PtG installations, intersectoral extension to further Power-to-X technologies</p>		
Recommended Reading	See HISinOne		
Specific Remarks	See specific remarks of the course Energy Economics and Energy Policy on page 57		

<b>Fundamentals of Resilience</b>			
Course Number	11LE68V-8020 11LE68Ü-8020	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4 (EES only)	Max. Enrollment	left-over places
Prerequisites	Advanced EES students		
Instructor(s)	Prof. Dr. Stefan Hiermaier		
Format, Dates, Times and Rooms	15.10-9.2 Lecture Fri, 10-12h, G.-Köhler-Allee 101, Seminar 01-009/013 Übung Wed, 14-16h, G.-Köhler-Allee 101, Seminar 01-009/013 For changes, see HISinOne		
Course Description	<p>The lecture provides a clear understanding of the term “resilience” in an engineering context, specifically as compared to stability, robustness, flexibility or failure safety. Students realize that failure of transport systems, infrastructure, support chains and of other technical systems is not necessarily a consequence of technical malfunction or bad design. Students find that in contrast the ability to control failure of systems and catastrophes can be achieved by networks of perspective interaction, prevention and adaption. Continuous adaption of behavior of individuals and of the control of facilities will be understood as necessary steps towards increasing resilience.</p> <ul style="list-style-type: none"> <li>▪ key concepts and ideas in resilience engineering</li> <li>▪ collection of typical systems addressed concerning their resilience</li> <li>▪ introduction to tools for quantitative risk analyses</li> </ul> Learning goals: see HISinOne		
Recommended Reading	See HISinOne		
Specific Remarks	See specific remarks of the course Energy Economics and Energy Policy on page 57		



<b>Grid Integration</b>			
Course Number	11LE68V-8090	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4	Max. Enrollment	left-over places
Prerequisites	Successful completion of the course Energy (Technologies) at UCF		
Instructor(s)	Prof. Dr. Anke Weidlich		
Format, Dates, Times and Rooms	15.10-9.2 Tue, 10-12h, G.-Köhler-Allee 101, Seminar 01-009/013 Wed, 10-12h, G.-Köhler-Allee 101, G.-Köhler-Allee 101, Seminar 00-010/014 For changes, see HISinOne		
Course Description	<ul style="list-style-type: none"> <li>▪ Energy system overview – generation, transmission, distribution, consumption</li> <li>▪ Energy transport; power and energy definition</li> <li>▪ Power generation analysis;</li> <li>▪ Transition of the energy systems; renewable energy grid integration</li> <li>▪ Power plants, storage, inverters</li> <li>▪ Grid theory; DC, AC circuits; system theory</li> <li>▪ System components: lines; transformers; generators;</li> <li>▪ Grid calculation; reactive and active power flow</li> <li>▪ Grid codes, grid regulation</li> <li>▪ Operation and control of electricity grids; primary, secondary and tertiary control; voltage control</li> <li>▪ Economic dispatch problem</li> </ul>		
Recommended Reading	See HISinOne		
Specific Remarks	See specific remarks of the course Energy Economics and Energy Policy on page 57		

<b>Material Life Cycles</b>			
Course Number	11LE68V-8030 11LE68Ü-8030	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4	Max. Enrollment	left-over places
Prerequisites	Advanced EES students		
Instructor(s)	Prof. Dr. Stefan Hiermaier, Dr. Sebastian Kilchert, Georg Clemens Ganzenmüller		
Format, Dates, Times and Rooms	15.10-9.2 Lecture Mon, 10-12h, G.-Köhler-Allee 101, Seminar 01-009/013 Übungen select one of the groups in HISinOne For changes, see HISinOne		
Course Description	Der Inhalt der Vorlesung teilt sich in drei Themengebiete. Im ersten Teil werden die gesellschaftlichen Rahmenbedingungen betrachtet, die in den letzten Jahren zu der immer größer werdenden Bedeutung des Themas Nachhaltigkeit geführt haben. Dabei befassen sich die Studenten mit der geschichtliche Entwicklung, Materialabhängigkeit, Ressourcen und Ressourcenverbrauch, kritische Ressourcen. Im zweiten Teil werden Definitionen von nachhaltiger Entwicklung und die verschiedenen Methoden zur Bewertung behandelt. Mit Fokus auf Materialien/Produkte werden Lebenszyklus, Lebensende, Kostenabschätzung, legislative Rahmenbedingungen besprochen. Im dritten Teil wird die Anwendung der gelernten Methoden an verschiedenen Fallbeispielen demonstriert. Übungen – see HISinOne		
Recommended Reading	See HISinOne		
Specific Remarks	See specific remarks of the course Energy Economics and Energy Policy on page 57		

<b>Solar Energy</b>			
Course Number	11LE68V-8060	Teaching Period	semester
Study Area(s)	Earth and Environmental Sciences, Electives for EES students only	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: EES I or II, Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option: EES I or II, Electives (Courses of other degree programs)
Open to Students	Year(s) 3, 4	Max. Enrollment	left-over places
Prerequisites	Successful completion of the course Energy (Technologies) at UCF		
Instructor(s)	Prof. Dr. Stefan Glunz		
Format, Dates, Times and Rooms	15.10-9.2 Lecture Tue, 16-18h, G.-Köhler-Allee 101, Seminar 00-010/014 Thu, 14-16h, G.-Köhler-Allee 101, Seminar 00-010/014 For changes, see HISinOne		
Course Description	<ul style="list-style-type: none"> <li>▪ Solar Energy - Theoretical and Technical Energy Potential (black body radiation, Carnot cycle, maximum efficiencies,</li> <li>▪ Solar Energy Technologies - Tapping the sun's energy (overview of conversion technologies, system boundaries, seasonal fluctuation, ...)</li> <li>▪ Photovoltaics - Physics of Solar Cells (introduction to semiconductors, Fermi levels, IV curves, conversion efficiency, quantum efficiency ...)</li> <li>▪ Photovoltaics - Technology Review (short introduction to the structure and technology of crystalline silicon solar cells)</li> <li>▪ Solar Thermal - Physics of Solar Collectors (basics of thermo dynamics, fluid dynamics, absorption, emission, power output and other performance criteria)</li> <li>▪ Solar Thermal - Technology Review (from low temperature applications up to power plants - examples)</li> <li>▪ Heat pumps - Thermodynamics, electrical and thermal driven heat pumps and chillers, main components (compressor, evaporator, condensor etc.), system configurations (layout, sources, storages, control strategies etc )</li> <li>▪ Heat pumps: field tests and best case examples - Heat pumps and smart grid interaction, Heat pumps and PV, Heat pumps + solar thermal, storage integration)</li> <li>▪ The lecture will be accompanied by a weekly exercise to deepen the understanding of the lecture's content and to discuss further details.</li> </ul>		
Recommended Reading	See HISinOne		
Specific Remarks	See specific remarks of the course Energy Economics and Energy Policy on page 57		

## 5.2 Study Area: Culture and History - Medienkulturwissenschaften

Fotografie: Geschichte, Theorie, Ästhetik und Intermedialität			
Course Number	05LE54S-154	Teaching Period	15.10-27.11
Study Area(s)	Culture and History, Electives	Credit Points	6 ECTS
Module(s) (StuPo 2012)	Specialization Option: Culture Specialization Option: History Electives (courses of other degree programs)	Module(s) (StuPo 2015)	Specialization Option Culture and History I or II Electives (courses of other degree programs)
Open to Students	Year(s) 2, 3, Year(s)4	Max. Enrollment	3 places are reserved for LAS students
Prerequisites	Introduction to Culture and History, German competency		
Instructor(s)	JProf. Dr. Evi Zemanek ( <a href="mailto:evi.zemanek@germanistik.uni-freiburg.de">evi.zemanek@germanistik.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-27.11 Seminar Tue, 10-14h (c.t.), KG 1032 For changes, see HISinOne		
Course Description	Das medienkulturgeschichtliche Seminar verfolgt die Entwicklungsgeschichte der Photographie von der Heliografie und der Daguerrotypie bis zur heutigen Digitalfotografie und beleuchtet soziale Hintergründe und kulturelle Reaktionen, theoretische Debatten, ästhetische Experimente und intermedialen Konstellationen. Dabei werden Theorien von Interpikturalität und Intermedialität behandelt und grundlegende Methoden der Bild- und Bilddiskursanalyse vermittelt.		
Specific Remarks	<p>This course is part of a cooperation with Medienkulturwissenschaften. A limited number of spots (3) are available for LAS/C&amp;H students. The seminar and graded work are in German.</p> <p><i>Course Registration:</i></p> <p><b>Course registration dates of Medienkulturwissenschaften apply:</b>  <a href="http://www.medienkulturwissenschaft.uni-freiburg.de/termine-1/2-belegphase-fuer-das-ws-18-19-vom-1-august-4-oktober-fuer-alle-studierende">www.medienkulturwissenschaft.uni-freiburg.de/termine-1/2-belegphase-fuer-das-ws-18-19-vom-1-august-4-oktober-fuer-alle-studierende</a></p> <p>Please register for the course in HISinOne You can find the course in the Electives Area of your Planner of Studies (Courses/Modules of other Degree Programs – Modules Faculty of Humanities).</p> <p><i>Exam Registration:</i></p> <p>LAS students you wish to get credits for the course must apply for credit recognition of courses of other degree programs at the University of Freiburg. Details on the application procedure are available on the Info Board on ILIAS.</p>		

## 5.3 Study Area: Electives - Provinzialrömische Archäologie

<b>Cultural Heritage, Archaeological Thought, the Conquest of the Past, Colonialism and the Past in Modernity</b>			
Course Number	06LE53S-PAWS1803	Teaching Period	semester
Study Area(s)	Electives	Credit Points	6 ECTS (SL only)
Module(s) (StuPo 2012)	Electives (Courses of other degree programs)	Module(s) (StuPo 2015)	Electives (Courses of other degree programs)
Open to Students	Year(s) 2, 3, 4	Max. Enrollment	Left-over places
Prerequisites	None		
Instructor(s)	Thomas S. Carhart ( <a href="mailto:thomas.s.carhart@archaeologie.uni-freiburg.de">thomas.s.carhart@archaeologie.uni-freiburg.de</a> )		
Format, Dates, Times and Rooms	15.10-9.2 Tue, 12-14h, Übungsraum-Zeitschriftenraum, Glacisweg 7 additional Excursions, dates tba Abteilung für Provinzialrömische Archäologie		
Course Description	<p>This course will cover the basic concepts, social anthropological aspects and historical development of what is today understood as 'Cultural Heritage'.</p> <p>The course will start by looking at the place and meaning of Cultural Heritage in modernity. This will be done by exploring its role in and for western society, in particular for the construction of group, state and national identities as well as its function as a medium of intellectual hegemony. Central to the understanding of Heritage is how it is itself generated and molded to fit specific functions within individual western societies as well for the global interaction with non-western societies. This will be shown through a number of european and non-european heritage examples. Emphasizing the dichotomy of Eurocentricity and the other view or global perspective.</p> <p>In particular the course will look into the heritage concept starting in antiquity, but concentrating on the modern period starting with the role of the concept of Heritage as a colonial instrument of dominance, as a state/communal administrative tool of regulation, as a form of identity in national imagination and lastly as an economic factor or even an industry in its many facets ranging from museums of the material past fed by archaeological material, to the preservation of Concentration camps. The course will cover a wide scope of examples from such objects as the Limes, Auschwitz and the destruction of the Buddha statues of the Bamyian-valley.</p> <p>Part of the course will be two excursions; a half day excursion/field trip to the Barbarastollen "Zentraler Bundesbergungsort" Oberried Kirchzarten, and a second day excursion/field trip to the Limes with a museum visit and is a required course component for students of the UCF.</p>		
Recommended Reading	Lowenthal, D. (2015): The Past is a Foreign Country. Cambridge. Further course reading will be announced in the course.		
Specific Remarks	<p><i>Course Registration:</i></p> <p>Please register for the course in HISinOne. You can find the course in the Electives Area of your Planner of Studies (Courses/Modules of other Degree Programs – Modules Faculty of Philology). <b>Course registration dates of the relevant degree programs apply: 7.9 bis 29.10.2018</b></p> <p><i>Exam Registration:</i></p> <p>LAS students you wish to get credits for the course must apply for credit recognition of courses of other degree programs at the University of Freiburg. For Studienleistungen (pass-fail assessments), the application must be submitted after the completion of the course. Details on the application procedure are available on the Info Board on ILIAS.</p>		

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