



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN



Virtual Exchange at LERU Universities

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Summer 2022

Courses from LMU (incoming students)

Medicine

One Health Core Competencies (3 ECTS)

The One Health Core Competencies course consists of a blended learning system, including synchronous and asynchronous units. In the asynchronous sessions, the participants will be led through the theoretical foundations of interdisciplinary teamwork, systems thinking and the One Health approach through self-study with interactive elements on the Moodle-platform. Participants will also see illustrative examples of current One Health scientific cases. During the synchronous sessions, participants will meet online via 'Zoom' and work together as multi- and interdisciplinary teams. They will reflect and discuss on the One Health approach and solve a real-world One Health problem using an interactive problem-based learning method. The learned content will be reviewed in interactive tasks on Moodle. As a final assignment, participants will develop a written report – the "Mission Plan" for solving the One Health problem.

The module will last for 8 weeks, starting on May 2nd, 2022, and is designed for around 90 working hours (3 ECTS), including 30 hours working with online material and meetings and around 60 hours self-study and project work.

Target group:

Master/PhD students in human health (human medicine, nursing, public health, epidemiology), animal health (veterinary medicine, agricultural studies), environmental studies (ecology, wildlife studies, sustainability), and social studies (anthropology, economics, geography, sociology, psychology).

Dates: 02.05.2022- 26.06.2022

Language: English

Nominations by 18 April 2022

Geology

Sierra Alhamilla, Spain (3 ECTS)

This is a 7 days regional geology field trip, with specific exercises designed for each trip stop locations. The purpose is to give an introduction to the geology of the Betic Cordillera in southern Spain: rock types present, ages, environments, and geologic evolution of the area over time. Emphasis during the trip is on using sketches to understand geometric and age relationships. The virtual trip is self-guided (using both a special virtual environment, and Google Earth), but several online live meetings will also be made available for discussion of each trip stop.

Dates: Last Week of June

Language: English

Requirements: Master students need to have a Bachelor degree in Geosciences, and Bachelor students need to be at least in their second year of a Geosciences Bachelor. Basic knowledge of rocks and geologic processes is essential.

Nominations by 02 June 2022

Courses from partner universities (outgoing students)

University of Geneva

Exercer son esprit critique à l'ère informationnelle

Semester Start Date: 21.02.2022

Semester End Date: 27.05.2022

Faculty: Psychology / Education

ECTS: 3

Language: French

Content:

Aujourd'hui, notamment du fait de l'essor des technologies, nous sommes en permanence assaillis par une multitude d'informations. Pourtant, beaucoup d'entre elles semblent peu fiables voire volontairement mensongères, comme les fake news. Ainsi, même si nous n'avons jamais été aussi bien informés qu'avec Internet et les réseaux sociaux, la société fait paradoxalement face à un phénomène de désinformation. Comment exercer son esprit critique dans ce contexte et pour quels enjeux ? Pourquoi les fake news et les théories complotistes peuvent-elles nous apparaître séduisantes ? Tout au long de ce cours constitué de vidéos, d'interventions d'expert-es et d'activités variées, vous allez appréhender le phénomène de désinformation, en comprendre les ressorts et les manières de le contrer. Une première étape du cours sera d'identifier les divers biais cognitifs qui nuisent au raisonnement critique et à les reconnaître dans vos propres jugements. Puis, vous analyserez la diffusion des fake news : comment circulent-elles ? Quels sont leurs impacts sur le plan individuel et collectif ? En termes de compétences vous apprendrez des stratégies pour reconnaître les fausses informations et trouver des sources fiables. Vous analyserez le mécanisme cognitif de flexibilité cognitive, et enfin, vous apprendrez des stratégies concrètes afin de développer votre vigilance informationnelle.

Target group:

BA students

Application Deadline: 13. March 2022

Winter 2021/22

Courses from LMU (incoming students)

Biology

Lecture: Methods in Molecular Biology Part 1 (3 ECTS)

This course offers you a variety of different interactive modules in which you will learn the basic methods in molecular biology. Each lesson is designed to last about 60-90 minutes during which the mechanistic principles and applications of the specific method will be taught. You can test your understanding and learning achievements after each lesson with the help of the provided quizzes. Every second week we will offer a live tutorial via Zoom in which we will work on specific case studies. Have fun learning new interesting methods of molecular biology and in solving exciting real-lab cases!

Geology

Cabo de Gata volcanism, Spain (3 ECTS)

This is a 7 days regional geology field trip, with specific exercises designed for each trip stop location. The purpose is to give an introduction to the volcanism of the Cabo de Gata region in southern Spain: rock types, ages, environments, and geologic evolution of the area over time. Emphasis during the trip is on using sketches to understand geometric and age relationships, with the goal of figuring out the volcano-stratigraphy of the area. The virtual trip is self-guided (using both a special virtual environment, and Google Earth), but several online live meetings will also be made available for discussion of each trip stop.

Sierra Alhamilla, Spain (3 ECTS)

This is a 7 days regional geology field trip, with specific exercises designed for each trip stop locations. The purpose is to give an introduction to the geology of the Betic Cordillera in southern Spain: rock types present, ages, environments, and geologic evolution of the area over time. Emphasis during the trip is on using sketches to understand geometric and age relationships. The virtual trip is self-guided (using both a special virtual environment, and Google Earth), but several online live meetings will also be made available for discussion of each trip stop.

History and the Arts

Itineraries: Communication and Exchange between Artists in Early Modern Europe (3 ECTS)

As is well known from early modern artists' biographies, for example the Vite by Giorgio Vasari, painters, sculptors, goldsmiths and tapestry weavers led a highly nomadic life style. Travelling from court to court to find commissions or invited by European princes they worked in many different places. Occasionally, they changed names and became fully integrated in their place or country of work, which makes it complicated for modern historians to keep track of their movements and travel itineraries. In this new course, we shall try to find out about their travels, contacts and work conditions with a focus on the period between 1500 and 1648. Who met, shared ideas, collaborated and parted company why and when at the European courts. The work we will achieve in class will create the basics for a database project similar to what is done, for example, by the Medici Archive Project's "[The Birth of News](#)" programme.

Languages and Literature

Sanskrit-Lektüre: Br̥hatkatha – Die große Geschichte (3 ECTS)

The legendary Br̥hatkatha (which literally translates as 'Long Story') has long been lost; yet no less highly regarded retellings have survived. Together we will read excerpts from two of these retellings, the Kathasaritsagara and the Br̥hatkathaslokasaṃgraha, and see how the multifaceted stories combine the mundane with the spiritual, and the everyday with the mythical, painting a vivid picture of Indian life. The teaching materials provided by the instructor offer comprehensive vocabulary and grammar notes, making the course suitable for everyone with at least two semesters/three terms of Sanskrit at university level.

Rigveda-Lektüre (3 ECTS)

This Ṛgvedic reading course has a dual focus. For one, it will function as an introduction to the Vedic language for anyone with at least two semesters of Classical Sanskrit. And two, in our readings, we will focus more on the poetic and secular hymns of the Rigveda than on the purely ritual ones: this will help us get acquainted with the thought world of the Ṛgvedic world.

Materials Development for Language Learning (3 ECTS)

This project-based course provides an introduction to the theories and practice of creating language learning materials. No prior knowledge of language pedagogy is expected, basics will be covered in extensive reading tasks. Participants are expected to draft their own materials as part of their course projects.

Kannada 1 (ECTS dependant on the requirements of the partner university)

Introduction to the Kannada language (also called 'Canarese' in older historical sources), the perhaps foremost modern literary language of India. For its great historical importance, the Government of India officially declared Kannada a 'classical language'. Furthermore, Kannada is the sole official language of the southern Indian state of Karnataka, the Indian economic 'boom state' and centre of Indian information technology, with which the Free State of Bavaria has had an agreement for scientific, technological, commercial and cultural exchange since 2007. "Kannada 1" is an introduction to the modern literary language, which has hardly changed over the past eight centuries. This means that by learning modern Kannada, one gains access to eight centuries of important literature for an understanding of Indian cultural history. The course is also suited as a first introduction to Dravidian linguistics.

Civilisation - Le handicap en France : Entre politiques d'accessibilité et création d'une culture originale (3 ECTS)

The course deals with a not only personal but also cultural understanding of the term 'disability'. Using France as an example, it aims to contribute to a change of perspective so that disability is not only seen as negative, but also as a stimulus for cultural and artistic production. A historical overview of the history of disabled people in France will also be offered. As each participant gives a presentation on a freely chosen topic, the course becomes a dynamic opportunity for exchange.

Target Group: Master/5th or 6th Semester Bachelor students)

Language: French

Start: 18. October 2021

Nominations by: 17. October 2021

Philosophy

Artificial Intelligence: Interdisciplinary Perspectives (Online) (3 ECTS)

In the last 50 years, research on artificial intelligence (AI) has repeatedly boomed but failed to deliver on its great promises. In the last decade, however, especially the deep learning approach has achieved remarkable results and is already applied in many contexts. Since this approach breaks with assumptions of the older symbolic approaches of AI research, a new philosophical discussion is needed. Therefore, the interdisciplinary seminar will start from the classical philosophical debate, which was shaped by thinkers like Herbert Dreyfus and John Searle and focused on the concept of the rule following, in order to confront it with the newer state of research, its data driven approach and the concept of learning. We will discuss the consequences and challenges of these new approaches in AI for their theoretical and philosophical reflection.

Psychology and Educational Sciences

Transferable Skills for the Learning Sciences (3 ECTS)

Students are introduced to the concept of skills from a theoretical perspective. On the basis of this knowledge, students will be required to identify their existing skills and skills they would like to/need to acquire to succeed at their identified potential career tracks. Over the course of the seminar students will be required to put their skills and skill development in writing. Additionally, we plan to include individual sessions tailored to specific skill development. Students will be introduced to different professions, the skills needed for that job and the people behind them.

International eLearning Approach on Teaching Strategies for Inclusion for Students with Autism (ECTS dependant on the requirements from your university)

Contents include:

1. Definition and manifestations of ASD
2. Effects on the behavior of ASD
3. Special challenges in teaching practice and school life
4. Recommendations for intervention and structural measures
5. Emotion regulation. What should teachers understand to create a good classroom climate?
6. Augmentative and alternative communication (AAC).

Bonus Courses (not for credits)

MOOC: Infection Prevention and Control of Acute Respiratory Infections for healthcare workers in Low- and Middle-Income Countries

MOOC: Virtual Parasitology Laboratory (VirParLab)

Courses from partner universities (outgoing students)

KU Leuven

Arts- Cultural Studies

Changing Cultures in Europe

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts -Cultural Studies

ECTS: 6

Language: English

Content:

On a general level, the students learn to explore the nexus between cultural production, economic and technological development, and geopolitics in a contemporary (20th-century and 21st-century) European context. They make themselves familiar with theoretical frameworks and concepts that can be used to analyze and discuss mental mappings of the continent and its constituent cultures (such as world systems theory, the three-world model, (post)colonialism, post-dependency studies, (Euro-)Orientalism, Balkanism, Europeanization, (self-)Orientalization, globalization, in-between peripherality, ...). In particular, the students learn to analyze these cultural phenomena, interactions, and dynamics within the context of European filmmaking, both in its historic and in its contemporary (textual and institutional) aspects. Apart from developing (film) analytical skills, they make themselves familiar with digital resources related to European audiovisual culture, such as the European Film Gateway, the online databases of the European Audiovisual Observatory and the Media History Digital Library. Finally, they are able to apply the acquired knowledge and analytical competences by carrying out a case study that critically reflects on Europe's changing culture(s) (from a textual and/or an institutional perspective).

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Cultural Economics

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts -Cultural Studies

ECTS: 6

Language: English

Content:

In this course, we will introduce the basics of cultural economics, both from a more economic point of view, DiMaggio, Baumol, Florida and Caves, as from the point of view of cultural studies: Diedrichsen, Gielen, Chambers, Kunst, etc. We will then focus on specific domains of culture, e.g., performance, photography, literature, visual arts, as well as on the situation in different cultures.

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Digital Cultural Heritage

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts -Cultural Studies

ECTS: 6

Language: English

Content:

Students will learn the field of Digitisation of Cultural Heritage, its technologies, practices, goals and ambitions. They will have the necessary background to operate in CHI institutions on Digitisation projects as non-technical team members. They will learn the vocabulary and issues involved.

They will also get to learn the problem of Digital-born heritage and the strategies HI institutions develop towards those. They will be able to formulate a digitization strategy for a CHI institution

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

European Diversity and Cultural Policy

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts -Cultural Studies

ECTS: 6

Language: English

Content:

The aim of this course is to achieve an understanding of European cultural policies of various European Organization, including the Council of Europe and the European Union (EU). To this end, we will focus on how cultural policy is being given shape by studying the institutional actors, legal instruments and the decision-making procedures. Next to this, the course will pay special attention to the concrete implementation of particular cultural policies – the topic of which can change every academic year. Moreover, we will also look at one of the most well-known cultural policies of the EU, viz. its Cultural Capitals of Europe program. Finally, the theme of cultural policy is also approached from a more abstract, philosophical point of view with courses focusing on the question of unity and diversity and on linguistic justice for Europe.

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Film & Literature

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts -Cultural Studies

ECTS: 6

Language: English

Content:

After an introduction in the history of Western cinema, we study the most important theories to analyze film narratives, as a new way of storytelling, in comparison with literature. We read and discuss key texts on Hollywood storytelling, auteur cinema, psychoanalysis, quality television, and adaptation theories. Classes are always accompanied by films that are viewed and discussed collectively.

Target group:

BA & MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Application deadline: 27 January 2022

Arts- European Studies Transnational and Global Perspectives

Human Rights and Rule of Law in Europe and the World

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts - European Studies Transnational and Global Perspectives

ECTS: 6

Language: English

Content:

In this course, we want to familiarize students with the European Union's and the United States' perspectives on human rights and rule of law.

Both the European Union (EU) and the United States (US) consider the protection of human rights and the rule of law as their founding values, and both emphasize the centrality of human rights and rule of law in their internal and external policies. Yet, despite their joint commitment to human rights and the rule of law a seemingly large potential for common transatlantic approaches to human rights and rule of law issues in external relations, the EU and the US have diverged considerably in their positions on the conceptualization and promotion of human rights.

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Perspectives on Global History

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Arts - European Studies Transnational and Global Perspectives

ECTS: 6

Language: English

Content:

- the student is able to discuss in class as well as in writing different theoretical approaches of intercultural exchange in World History
- the student is able to analyze arguments of theoretical and historical studies with respect to issues of European Expansion, Exchange, and Globalisation

- the student is able to outline main historical evolutions with respect to the transition from premodernity to modernity
- the student is able to write an essay on models and concepts of intercultural exchange and globalisation

Target group:

MA students

Language Prerequisites:

Provide evidence of proficiency in English:

- TOEFL: total score > 100
- IELTS: band score > 7.0-7.5
- CPE: Grade B
- ITACE: C1 level

Application Deadline: 12 January 2022

Pharmaceutical Sciences

Mass Spectrometry

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Pharmaceutical Sciences

ECTS: 3

Language: English

Content:

The students are able to understand and situate recent scientific publications mentioning mass spectrometric techniques and are able to recognize and situate the instruments and experiments described therein. The students will be familiarized with a few applications by the means of demonstrations and are able to situate the instruments and experiments in the course material.

Target group:

MA students

Prerequisites:

- B2 English
- Basic knowledge of organic and inorganic chemistry

Pharmaceutical Technology

Semester Start Date: 14.02.2022

Semester End Date: 03.07.2022

Faculty: Pharmaceutical Sciences

ECTS: 3

Language: English

Content:

1. Agglomeration of powders
2. Drug delivery systems for immediate release
3. Drug delivery systems for controlled release
4. Pharmaceutical strategies for improvement of oral bioavailability
5. Pharmaceutical technical procedures for analysis of dosage forms

Target group:

MA students

Prerequisites:

- B2 English
- Basic knowledge of drug formulation principles

Application Deadline: 12 January 2022