

Environmental Studies Certificate Program (PStO 2022)



Course Catalog Winter Term 2023/24

Please register for courses as soon as possible instead of waiting until October 10th.

Important note for exams: ALWAYS REGISTER FOR EXAMS (Prüfungsanmeldung) in January 2024 VIA LSF (even if lecturers have additional lists or tell you otherwise).

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P 1 International and Interdisciplinary Perspectives on Environment and Society (Mandatory Module)

DR. KATHERINE ARNOLD

Lunchtime Colloquium: Current Perspectives on Environment and Society

The Lunchtime Colloquium series consists of short, 20–30 minute presentations by RCC fellows. The talks are based on the fellow's own research. Designed to stimulate discussion, the presentations are accessible and are aimed at a non-specialist audience. All talks are free and open to the public. The talks may be of interest to undergraduate and graduate students, or to anyone with an interest in environmental issues.

- **Language:** English
- **ECTS:** 2 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursday, 12:30 pm - 2 pm
- **Start date:** 19.10.2023 **End date:** 08.02.2024
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** presentations
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 13138

DR SUSANNE UNGER

Reading Course: International Perspectives

The Reading Course makes up the second part of the basic mandatory module of the Certificate Program. It is designed to give an overview and serve as an introduction to the different fields and disciplines related to Environmental Studies. Students must attend this course over two semesters and are welcome to actively shape both structure and content. Lively discussions are the core of the course, based on weekly presentations by the course participants.

- **Language:** English
- **ECTS:** 1 ECTS Point
- **SWS:** 2 hours per week
- **Dates:** Thursday, 2 pm - 4 pm
- **Start date:** 19.10.2024 **End date:** 08.02.2024
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** reading course
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 14807

WP 1 – WP 37: Elective Modules (Wahlpflichtveranstaltungen)

Humans in the Environment

WP 1 Topics and Themes in Environment and Society

La Serenissima—Environmental Explorations in Venice

PROF. DR. CHRISTOF MAUCH

Attention: block seminar!

- **Language:** English
 - **ECTS:** 6 ECTS Points
 - **SWS:** 2 hours per week
 - **Dates:** 3-8 March, 09:00 - 17:00
 - **Location:** Venice, Italy
 - **Work format:** Blockseminar
 - **Belegnummer:** 14832
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WP 4 Environmental Anthropology I

DR. WOLFGANG KAPFHAMMER

Dunkelgrüne Religion. Religiosität und Spiritualität als Transformationsdesign für eine Andere Welt?

Die Notwendigkeit einer Abkehr vom globalisierten Wachstumsdogma angesichts zunehmend vehementer, ökologischer wie sozialer Folgen des Klimawandels steht außer Frage. Dem religiösen, bzw. spirituellen Habitus von Individuum und Gesellschaft wird dabei eine wichtige, wenn nicht entscheidende Rolle zugeschrieben. Dies im negativen wie im positiven Sinne: einerseits wurde den christlichen Traditionen eine Hauptverantwortung für eine Haltung zugeschrieben, „sich die Erde untertan zu machen“ (die berühmte Lynn-White-These), andererseits werden die „sacred ecologies“ (Berkes) gerade indigener Völker zu einer überlegenen Umweltethik überhöht.

Das Seminar befasst sich durchaus affirmativ, wenn auch kritisch, mit der Frage, wie Mensch-Umwelt-Verhältnisse in religiösen Weltbildern vorgeprägt sein können. In einem zweiten Schritt stellt das Seminar die Frage, wie Religiosität und Spiritualität als Transformationsdesign für eine noch zu schaffende Andere Welt in Frage kommen könnten.

- **Language:** German
 - **ECTS:** 6 ECTS Points
 - **SWS:** 2h per week
 - **Dates:** Tuesdays, 4 pm - 6 pm
 - **Start Date:** 19.10.2023
 - **Location:** Oettingenstr. 67, Raum 131
 - **Work format:** Seminar
 - **Registration online:** 25.09.2023
 - **Belegnummer:** 12376
- End date:** 08.02.2024
until 09.10.2023

Environmental Practice

WP 30: Basic Theories and Concepts in Historiography

DR. KATHERINE ARNOLD

Inventing' America's Wilderness

'Wilderness' is a key theme in the environmental humanities, reflecting its revered status within American environmentalism and its national identity. It has also been the subject of substantial debate. Most notably, Roderick Nash has defended wilderness, whilst William Cronan has positioned it as a social construction (put crudely, a figment of our imagination rather than something real). Others, such as Mark Spence, have highlighted how the creation of protected wilderness areas in the United States has forcibly removed Native Americans from their lands, while some have pointed out the gendered and racialized histories of wilderness. Is there even such a thing as an 'untouched' or 'pristine' wilderness? To try and understand what 'wilderness' is, this course will take you through topics like German Naturphilosophie and Romanticism; industrialization and the Industrial Revolution; European and American imperialism; the American National Parks; and the origins of environmentalism and environmental activism, in order to deconstruct our own preconceived notions about this highly contested term.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Mondays, 10:00 – 12:00
- **Location:** Amalienstr. 73A - 103
- **Work format:** Lecture
- **Belegnummer:** 13705

Environmental Practice

WP 5 Academic Practice in Environmental Studies

DR SUSANNE UNGER

Tuesday Discussion

This course introduces students to a wide variety of fields, both academic and beyond, in which environmental practitioners are active. Each session will provide participants with the opportunity to meet speakers who function as heads of environmental foundations, as members of environmental research institutions, green businesses, environmental non-governmental organizations (ENGOS), or as representatives of the Ministry of Environment. The course is discussion-based and requires students to actively participate in each class. International fellows and staff from the Rachel Carson Center for Environment and Society will also be invited to join the discussion with the students.

- **Language:** English
- **ECTS:** 3 ECTS Points

- **SWS:** 2h per week
- **Dates:** Tuesdays, 4:15 pm - 5:15 pm
- **Start Date:** 17.10.2023 **End date:** 06.02.2024
- **Location:** 4th-floor conference room RCC, Leopoldstrasse 11a
- **Work format:** Seminar
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 14808

WP 32 Exploring Local Environmental Practices

Field Trip: Exploring Environmental Practices in Munich and Beyond

- **Language:** English
- **ECTS:** 3 ECTS
- **Dates:** tbd
- **Location:** tbd
- **Work format:** Field Trip

Environment and Responsibility

WP 7: Climate Change and Society

Cycling and the Environment

PROF. DR. UWE LÜBKEN

This class looks at cycling as a sustainable and efficient form of mobility. By tracing one and a half centuries of cycling history, we will analyze how cycling developed from a bourgeois pastime into a quotidian mobility. We will scrutinize the decline of cycling as a result of the rapid rise of automobility and the “bicycle renaissance” of the 1970s. We will also interrogate more recent forms of bicycle cultures (e.g. critical mass events), many of which are closely associated with environmentalist ideas, practices, and protest. Finally, we will analyze environmental discourses attached to recreational and competitive forms of cycling, and discuss the role of the bicycle in urban planning.

- **Language:** English
 - **ECTS:** 3 ECTS Points
 - **SWS:** 2 hours per week
 - **Dates:** Tuesdays, 08:30 – 10:00
 - **Location:** Leopoldstr. 13, H1 - 1202
 - **Work format:** Seminar
 - **Belegnummer:** 14804
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WP 8 Foundation Course: Communication Science

PROF. DR. MARIO HAIM

Einführung in die Kommunikationswissenschaft I (Lecture)

Die Vorlesung für Studierende des ersten Fachsemesters führt in die Grundlagen der Kommunikationswissenschaft ein und stellt ausgewählte Fachgebiete mit zentralen Fragen, Theorien und Befunden vor. Der erste Teil der zweisemestrigen Vorlesung beschäftigt sich mit dem Selbstverständnis und der Struktur des Fachs, seinen Grundbegriffen (u.a. Kommunikation, Medien, Massenkommunikation, Öffentlichkeit), dem Mediensystem (Presse, Rundfunk, Online-Medien) sowie verschiedenen Arten von Medieninhalten und ihrer Entstehung.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2h per week
- **Dates:** Monday, 2 pm – 4 pm
- **Start date:** 16.10.2023 **End date:** 05.02.2024
- **Location:** Geschw.-Scholl-Pl. 1 (A) - A 140 every week, except for 05.02.2024 - Geschw.-Scholl-Pl. 1 (A) - A 240
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 15001

DR. CORINNA LAUERER, PD DR. RIESMEYER-LORENZ

Kommunikationsberufe I (Seminar)

Im Rahmen der Vortragsreihe Kommunikationsberufe stellen berufserfahrene Praktiker aus den zentralen Feldern der Medien- und Kommunikationsberufe verschiedene Berufsbilder vor und diskutieren Voraussetzungen und Eintrittschancen in das Berufsleben sowie die Aussichten und Karrieremöglichkeiten.

Mehr Informationen zu den einzelnen Veranstaltungen und die verbindliche Anmeldung zu den Veranstaltungen erfolgt über <https://webservices.ifkw.lmu.de/kobe>.

Die Playlist der Veranstaltung ist unter <https://cast.itunes.uni-muenchen.de/#/clip-list/bnHbEdBAzi> verfügbar, allerdings werden die Veranstaltungen im aktuellen Semester ganz überwiegend in Präsenz abgehalten. Sollte es Schwierigkeiten geben mit dem persönlichen Besuch der Veranstaltung, dann wenden Sie sich bitte an kommunikationsberufe@ifkw.lmu.de

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 4 pm - 6 pm, and Wednesdays, 12 pm - 2 pm
Thursday, 19.10.2023 (**single course**, location: Geschw.-Scholl-Pl. 1 (M) - M 118) 15:00 - 20:00
- **Start date:** 17.10.2023 **End date:** 07.02.2024
- **Location:** Oettingenstr. 67 (B) – B 001
- **Work format:** Seminar
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 15228

WP 33 Environments, Planning and Policy

Histories of Travel and Tourism in the United States

PROF. DR. UWE LÜBKEN

This class will look at the history of travel and tourism in the United States. We will talk about travel writing as a genre and analyse the travelogues of both well-known and less well-known writers. We will focus on how industrialization, urbanization and technological changes have transformed tourism and scrutinize the experience of Americans abroad. Furthermore, this class will highlight how various environmental crises have given rise to new forms of travel and vacation such as slow tourism, last-chance tourism, dark tourism, and eco-tourism.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesday, 12:00 – 14:00
- **Location:** Schellingstr. 3, S106
- **Work format:** Seminar
- **Belegnummer:** 13690

Sustainability and Natural Sciences

WP 9 Geographical Sustainability

PROF. DR. HENRIKE RAU, PROF. DR. GORDON WINDER, PROF. DR. JOHANNES GLÜCKLER, PROF. DR. MATTHIAS GARSCHAGEN

Geography and Sustainability (Lecture)

This lecture explores current issues in sustainability and the role of geography, both human and physical geography, in sustainability studies. It addresses what ‘sustainable development’ means and how and why it is a contested field. Various approaches to sustainability in economic geography, tourism geography, urban geography, environmental policy, climatology, hydrology, and resource and environmental management are introduced and discussed.

- **Language:** German/English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 14:00 – 16:00
- **Location:** Richard-Wagner-Str. 10 - D 114
- **Work format:** Lecture
- **Belegnummer:** 20179

WP 10 Marine Biology

PROF. DR. GERT WÖRTHEIDE

Marine Biology (Lecture)

The lecture introduces the following content: Basic oceanography (geography, geomorphology, plate tectonics and water circulation systems of oceans) - Physical and chemical factors in marine ecosystems - Adaptations of marine organisms - Geobiology of marine communities - Interaction of abiotic and biotic factors in different marine ecosystems - Marine biomes and marine biogeography.

Important: In order to be able to follow the lecture and to pass the exam, prior knowledge in the field of biology is a prerequisite (e.g. know what Cnidaria or Protozoa are)! If you do not have this kind of knowledge, it is recommended to attend an introductory lecture like WP 10 before choosing this lecture.

- **Language:** English
 - **ECTS:** 3 ECTS Points
 - **SWS:** 2 hours per week
 - **Dates:** Tuesdays, 14:00 – 16:00
 - **Location:** Richard-Wagner-Str. 10 - D 016
 - **Work format:** Lecture
 - **Belegnummer:** 20408
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WP 11 Foundations Course: Organismic Biology

PROF. DR. FRANK WOLFGANG, PROF. DR. PETER GEIGENBERGER, PROF. DR. MARC GOTTSCHLING, PROF. DR. JOACHIM HAUG, PROF. DR. GUDRUN KADEREIT, PROF. DR. ANDREAS KLINGL, PROF. DR. DARIO LEISTER, PROF. DR. SILKE WERTH

Vielfalt des Lebens – Tree of life (Lecture)

Die Vorlesung Formen- und Artenvielfalt vermittelt einen Eindruck über die komplette organismische Vielfalt und erläutert die Evolution, die zu dieser geführt hat. Organismengruppen, die in der Vorlesung besprochen werden, umfassen diverse Einzeller, Pilze, Pflanzen und Tiere, inklusive einer kurzen Einführung in die Evolution des Menschen. Für die jeweiligen Organismen werden die morphologischen Merkmale besprochen, u.a. die intrazellulären Besonderheiten, der Aufbau der Gewebe und Organe sowie die Individualentwicklung (Ontogenese), und in einen evolutionären Zusammenhang gestellt. Wo angebracht, werden auch Fossilbefunde erläutert. Anhand der vorgestellten Merkmale wird im Rahmen der Phylogenetik die Merkmalsevolution entlang verschiedener evolutionärer Linien rekonstruiert. Dadurch wird ein Gesamtbild der Evolution der Organismen erzeugt, welches als Grundlage für Kurse in den weiteren Semestern dient. Die Vorlesung wird von wechselnden Dozenten abgehalten.

(BA-Level)

- **Language:** German
 - **ECTS:** 6 ECTS Points
 - **SWS:** 4 hours per week
 - **Dates:** Thursdays, 10:30 – 12:00 and Fridays, 12:15-13:45
 - **Location:** Butenandtstr. 13 (F) - Liebig
 - **Work format:** Lecture
 - **Belegnummer:** 19059
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WP 12 Foundations Course: Ecology, Behavioral and Evolutionary Biology

PROF. DR. NIELS DINGEMANSE, PROF. DR. JOACHIM HAUG, PROF. DR. HERWIG STIBOR, PROF. DR. JOCHEN WOLF

Grundlagen der Ökologie, Verhaltensbiologie und Evolutionsbiologie (Lecture)

Dieses Modul präsentiert und veranschaulicht grundlegende Konzepte in Ökologie und Evolutionsbiologie. Es beleuchtet und integriert die Prozesse, über verschiedene Organisationsebenen: Individuen, Populationen, Arten und Gemeinschaften. In der Vorlesung werden die Zusammenhänge zwischen diesen Ebenen der biologischen Komplexität untersucht. Die Studierenden lernen, wie die

jeweiligen Stufen von der Umwelt beeinflusst werden (Ökologie) und im Laufe der Zeit erbliche Veränderungen erfahren (Evolution).

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Friday, 08:30 am – 10 am
- **Start date:** 20.10.2023 **End date:** 09.02.2024
- **Location:** Großhad. Str. 2 (B) - Gr. Biologie B00.019
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 19063

WP 13 Environmental Geobiology

PROF. DR. WILLIAM ORSI, DR. GONZALO GOMEZ-SAEZ

Global Cycles: Lecture (Lecture)

Introduction to biogeochemical global cycles and methods to acquire and analyze geobiological data in this context. In detail, the module includes WP14.1 Global Cycles: Lecture and WP 14.2 Global Cycles: Tutorial. The lecture imparts theoretical background on biogeochemical global cycles of relevant elements like carbon, nitrogen, phosphorous, iron, and sulfur. In each tutorial session, one student gives a 15-minute presentation on either a review article or an original research article dealing with one of the biogeochemical processes discussed in class the week before, followed by a group discussion. Articles are assigned by the instructor but can also be suggested by the students.

NB: This module consists of TWO parts (WP 13.1 and WP 13.2), both of which need to be taken to gain the full amount of ECTS points.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Monday, 2 pm – 4 pm
- **Start date:** 17.10.2022 **End date:** 06.02.2024
- **Location:** Richard-Wagner-Str. 10 - D 016
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 14805

PROF. DR. WILLIAM ORSI, DR. GONZALO GOMEZ-SAEZ

Global Cycles: Tutorial (Tutorial)

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Monday, 4 pm – 6 pm
- **Start date:** 17.10.2022 **End date:** 06.02.2024
- **Location:** Richard-Wagner-Str. 10 - D 016
- **Work format:** Lecture

- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 14805

WP 14 Global Change and the Earth System

PROF. DR. JULIA PONGRATZ

Klimawandel und das Erdsystem (Lecture)

Covered topics: - Scientific state of the art on climate change and climate impacts - Climate history (paleoclimate), causes of natural and anthropogenic climate change - Functionality and application of micrometeorological measurement techniques - Major consequences of climate change in the Earth system and in the human-Earth system: atmosphere, oceans, coasts, cryosphere, hydrometeorological extremes, agriculture, economy, bioclimate - Inventory of current research fields: Consequences and impairments of the natural, economic and cultural environment; region-specific vulnerabilities and resilience, - Essentials of national and international climate policy; Legal basis, directives & laws; Technical, economic and political options for climate protection; Working methods of the IPCC - Introduction to the basics of climate modeling - Physical and technical foundations, scales and scaling: AOGCM & RCM, nesting, downscaling, uncertainties and errors - Scenarios and scenario development.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesday, 10 am – 12 pm
- **Start date:** 17.10.2023 **End date:** 06.02.2024
- **Location:** Richard-Wagner-Str. 10 - D 116
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 20160

WP 34 Sustainability, Infrastructure and Technology

PROF. DR. SONJA DÜMPELMANN

Material Matters – Degrowth, Sufficiency, and Sustainability in Urban Environments

This joint multidisciplinary seminar is open to students from LMU and TUM. It offers an opportunity for students in the humanities as well as in the applied design and engineering disciplines at TUM and LMU to come together and discuss how green technologies, innovative infrastructures, and new lifestyles can contribute to new economic patterns and philosophies that seek to prevent extractive practices and slow down environmental destruction.

We will explore some of the key terms employed in discussions related to the sustainable transformation of our built environment. What do “degrowth,” “resilience,” “sufficiency,” and “sustainability” describe and mean (and in which context), and how are they applied to the built environment? How do ideas of degrowth, resilience, sufficiency, and sustainability become manifest in the built environment? What are historic precedents, and what might future developments of sufficient urban living look like?

To address these questions, students will be asked to identify a particular material, object, or organism (e.g., a particular type of mineral, metal, brick, plastic, paper, wood, plant, animal, ...) which they will explore

throughout the semester. While texts on the developmental paradigms will provide our overall framework, texts on material culture will give examples for thinking with and about the materials, objects, and organisms we use to shape and build our urban environments. Seminar discussions of these accompanying texts will alternate with course lectures, student presentations, and field trips.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 4 hours per week
- **Dates:** Tuesdays, 10 – 14
- **Location:** TBD, TUM
- **Work format:** Seminar
- **Belegnummer:** 13710

WP 35 Theoretical and Applied Hydrology

UNIV. PROF. DR. RALF-PETER LUDWIG

Theoretische und angewandte Hydrologie (Lecture)

The lecture "Theoretical and Applied Hydrology" covers the following topics: Systems theory, systems analysis, systems synthesis

- Definitions of systems
- Linear and non-linear systems
- Basics of modeling (conservation laws, energy, mass, mathematics, differential equations)
- Modeling in hydrology (analog, conceptual, physical)
- Physics of natural transport processes (diffusion, turbulence)
- Steady state flow, Darcy's law, Manning's equation
- Elements of water management (rivers, reservoirs, turbines, etc.)
- Water abundance and quality management, water resources planning
- Water Framework Directive
- Integrated and sustainable water resource management (IWRM, SWRM)

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesday, 8 am - 10 am
- **Start date:** 19.10.2023 **End date:** 08.02.2024
- **Location:** Luisenstr. 37 (A) – A 042
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 20163

WP 36 Natural Hazards

PROF. DR. LUKAS LEHNERT

Naturgefahren - Ursachen, Folgen, Handlungsoptionen (Lecture)

Vorlesung mit folgenden Inhalten:

- Hazard-, Risiko- und Katastrophenforschung
- Gefahren und Risikoanalyse
- Frequenz und Magnitude natürlicher Prozesse
- Entstehung von Naturgefahren durch:
 - meteorologische/hydrologische/glaziologische Prozesse (z.B. Tropische Wirbelstürme, Hitze-/Kältewellen, Überschwemmung, Dürre, Sturm-/ Sturzfluten, Permafrostschmelze)
 - geologische/geomorphologische Prozesse (z.B. Erdbeben, Vulkaneruption, Bodenerosion)
 - biologische Prozesse (z.B. Epidemien & Waldbrände)
- Ursachen, Folgen und Handlungsmöglichkeiten (Fallbeispiele)
- Naturkatastrophenmanagement: Vorhersage, Prävention und Bewältigung von Naturkatastrophen
- Einflüsse von Naturgefahren auf gesellschaftliche Prozesse
- Rolle, Aufgaben und Möglichkeiten der Geographie in der Katastrophenforschung

Lernziele: Die Absolventen dieses Moduls verfügen über vertiefte wissenschaftliche Kenntnisse zu Naturgefahren. Die anhand von Fallbeispielen untermauerten Kenntnisse erstrecken sich über ein weites Spektrum von methodischen wie inhaltlichen Fragestellungen und schließen die menschliche Beeinflussung der Gefahren sowie ihre Quantifizierung ein.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** **Mondays, 10:00 – 14:00; 7 Termine: 08.01., 15.01., 22.01., 29.01., 05.02. (letzte VL-Woche), 12.02. (Rosenmontag), 19.02.**
- **Location:** Richard-Wagner-Str. 10 - D 105
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until 09.10.2023**
- **Belegnummer:** 20157

WP 37 Evolutionary Ecology

PROF. DR. DINGEMANSE

Evolutionary Ecology (Lecture)

Content: The lecture is divided in 3 parts.

The first part is a broad perspective on the history of ideas and thinking in evolutionary biology, revealing the connections between the different disciplines in ecology and evolution, as well as their origins. From a scientific point of view, it examines the interplay between genetic changes and natural selection.

The second part of the lecture is a primer on general principles of ecology. This part of the lecture is mainly repeating basic and general principles of ecology to bring EES students to a common knowledge base, independent of their educational background during their bachelor studies. Students will learn and discuss the relationships between the individual and its environment, the dynamics of populations and the structure and function of communities.

The third part focusses on the principles of behavioural ecology, introducing optimality approaches and the concept of trade-offs to explain variation in behaviour and life-history from an adaptive perspective. These principles are applied to understand life-history variation, optimal foraging strategies, mating strategies, parental care and conflict, and predator-prey interactions.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 4 hours per week
- **Dates:** Mondays, 8:30 am - 10:00 am, Tuesdays: 08:30 am - 10 am
- **Start date:** 17.10.2023 **End date:** 06.02.2024
- **Location:** Großhad. Str. 2 (B) - Kl. Biologie 2
- **Work format:** Lecture
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 19403

Final Project Module: Thesis / Creative Project

WP 38/39 Final Project

DR. SUSANNE UNGER

Final Project Colloquium (Colloquium)

The Final Project Colloquium addresses students in their final semester who want to pursue their final project. At this event, students present their project ideas to each other. The colloquium offers the opportunity to discuss any open questions regarding methodology, research focus, etc. It also serves to gain insight into what kind of topics fellow students are working on for their final projects and to reflect on the interdisciplinary character of the program.

- **Language:** English
- **ECTS:** 1 ECTS Point
- **SWS:** 2 hours per week
- **Dates:** Friday, 17.11.22, 2 pm – 4 pm
- **Start date:** 17.11.2023 **End date:** 17.11.2023
- **Location:** TBD
- **Work format:** Workshop
- **Registration online:** 25.09.2023 **until** 09.10.2023
- **Belegnummer:** 20154