

**Environmental Studies Certificate Program  
Course Catalogue Summer Term 2024**

**Please register for courses as soon as possible instead of waiting until 11 April.  
Important note for exams: ALWAYS REGISTER FOR EXAMS VIA LSF  
(even if lecturers have additional lists or tell you otherwise).**

# Content | Module Titles

	Environment and Society International Perspectives 6 ECTS	P 1.1 Lunchtime Colloquium International Perspectives 1 2 ECTS	P 1.2 Reading Course International Perspectives 1 1 ECTS	P 1.3 Lunchtime Colloquium International Perspectives 2 2 ECTS	P 1.4 Reading Course International Perspectives 2 1 ECTS	Mandatory 6 ECTS	
Content Area 1	Environmental History and Society 6 ECTS	WP 1 American History, Culture and Society 6 ECTS	WP 2 Anthropology 6 ECTS	WP 3 History of Science 6 ECTS	WP 4 Sociology 6 ECTS	Elective Choose 3 out of 4	
Content Area 2	Environmental Practice 6 ECTS	WP 5 Internship or Practice Seminar 6 ECTS	WP 6 Study Abroad 6 ECTS			Get a total of 6 ECTS in each Content Area you elected	
Content Area 3	Environmental Politics and Ethics 6 ECTS	WP 7 Environmental Ethics and Politics 6 ECTS	WP 8 Environmental Law 6 ECTS				
Content Area 4	Human Ecology and Natural Sciences 6 ECTS	WP 9 Geography A 3 ECTS	WP 10 Biosciences and Anthropology A 3 ECTS	WP 11 Biosciences and Anthropology B 3 ECTS	WP 12 Geology 6 ECTS		WP 13 Geography B 6 ECTS
	Final Project 9 ECTS	WP 14 Exhibition Option 9 ECTS	WP 15 Publication Option 9 ECTS			Choose 1 out of 2 9 ECTS	

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# P 1 Mandatory Module (Pflichtveranstaltung): Environment and Society

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Please register for both, Lunchtime Colloquium and Reading Course, via LSF.

DR. KATHERINE ARNOLD

## Lunchtime Colloquium: The Environmental Humanities - International Perspectives

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

- **Language:** English
- **ECTS:** 2 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursday, 12 pm - 1:45 pm
- **Start date:** 18.04.2023 **End date:** 11.07.2023
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** Lecture
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 13189

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 on different topics provided by the course participants.

- **Language:** English
- **ECTS:** 1 ECTS Point
- **SWS:** 2 hours per week
- **Dates:** Thursday, 2 pm - 4 pm
- **Start date:** 18.04.2023 **End date:** 11.07.2023
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** Seminar
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 14789

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## WP 1 – WP 13: Elective Modules (Wahlpflichtveranstaltungen)

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### Content Area 1: Environmental History and Society

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#### WP 1 American History, Culture and Society

PROF. DR. UWE LÜBKEN

##### **DamNation: Dams in American History and Culture**

This seminar traces the long-lasting and severe impact of dams in American history and culture – storing water behind earthen and concrete walls has served to produce energy, to protect against flooding and to “conserve” water for agricultural and urban demands. In the process of dam construction, entire villages have been flooded (and sometimes reappeared) and its inhabitants displaced. Also, the creation of dams, and in particular big dams, often came at the cost of devastating environmental consequences. More recently, environmentalists have argued for the removal of dams, in some cases successfully.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Monday, 10 am – 12 pm
- **Start date:** 20.04.2024 **End date:** 20.07.2024
- **Location:** S 201 - Schellingstraße 3/Front Building
- **Work format:** Seminar
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 13765

PROF. DR. UWE LÜBKEN

##### **Disaster Studies**

This class looks at the origins, the development and the multiple subfields of disaster studies from a humanities and social-science perspective. Emphasis will be laid upon when, how and why a scholarly interest in (natural) disasters arose, on key analytical terms such as vulnerability and resilience, and on the importance of categories like race, class gender, and able-bodiedness. We will focus on disaster memory (and the lack thereof), on cultural representations of destructive events, and the economic dimension of catastrophes (risk, insurance, “disaster capitalism”). Finally, we will look at the intersections of climate change and disaster as evidenced for example in processes of displacement and migration. One guiding question of this seminar will be: “How natural are natural disasters?”

- **Language:** English
  - **ECTS:** 6 ECTS Points
  - **SWS:** 2 SWS
  - **Dates:** Thursdays, 9:30-11am
  - **Start Date:** 18.04.2024 **End date:** 18.07.2024
  - **Location:** RCC, Leopoldstrasse 11a, Room 415
  - **Work format:** Seminar
  - **Registration online:** 25.03.2024 until 08.04.2024
  - **Belegnummer:** 14767
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## WP 2 Anthropology

VIKTOR FRIZENKÖTTER

### Literaturtheorie: Aufrichtig im Angesicht des Hummers - David Foster Wallaces Essayistik

Ironie als Käfig, Kafkas Lachen, das Leid der Hummer, die Schrecken einer Kreuzfahrt, die Geometrie des Mittleren Westens, Tennis – die in David Foster Wallaces Essays verhandelten Themen kommen so heterogen wie verblüffend daher. Gemein ist beinahe allen die Lust am formalen Experiment, die sich nicht zuletzt in schrulligen Fußnotenkaskaden und kontraintuitiven Abzweigungen artikuliert, aber auch ein ausgeprägtes Sensorium für ihre jeweilige Gegenwart. Das macht sie in mancher Weise zu Stichwortgebern für Wallaces fiktionale Texte, poetischen Laboratorien, die ihre berühmteren Gegenparts umspielen, antreiben und erproben. Im Kurs werden wir eine Auswahl jener Essays lesen, die über knapp zwei Jahrzehnte in diversen Zeitschriften und Publikation erschienen sind und sich als alternativer roter Faden durch Wallaces Werk ziehen. Das Spannungsverhältnis von Aufrichtigkeit und Ironie – später unter dem Trendbegriff der "New sincerity" verfasst – wird uns dabei ebenso begleiten wie Fragen nach Wallaces rhetorischen Strategien und ihren Implikationen für Diskurse des Anthropozän.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursdays, 4 pm – 6 pm
- **Start date:** 13.06.2024 **End date:** 18.07.2024
- **Location:** Schellingstraße 3 (R) - R U140B
- **Work format:** Reading Course
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 13500

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## WP 4 Sociology

PROF. DR. EVELINE DÜRR

### Klimawandel und Kolonialismus. Perspektiven aus Lateinamerika

Ausgehend von netzwerkartigen Verbindungen nennt der richtungweisende sechste Report *des Intergovernmental Panel on Climate Change* (IPCC 2022) der UN erstmals Kolonialismus nicht nur als Treiber der Klimakrise, sondern sieht die fortdauernden kolonialen Strukturen als problematisch für die Anpassung und Verletzbarkeit von (indigenen) Gruppen. Daran anknüpfend wird es in diesem Seminar darum geben, sowohl einschlägige Konzepte der Klimadiskussion (u.a. „Anthropozän“, „Natur“) genauer zu beleuchten, als auch den Zusammenhang von Klimawandel und Kolonialismus aus ethnologischer Sicht zu untersuchen. Aus lateinamerikanischer Perspektive erörtern wir dabei Ansätze, die eigene Wege aus der Klimakrise aufzeigen wollen. Dazu zählen Naturrechte ebenso wie ganzheitliche Heilungsbestrebungen. Begleitend zu diesem Seminar eignet sich zur Vertiefung der Lektürekurs „Ethnographien der Umweltethnologie“. Die Teilnahme am Lektürekurs ist jedoch nicht zwingend, um das Seminar zu absolvieren.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **SWS:** 2h per week
- **Dates:** Tuesdays, 10 am - 12 pm
- **Start Date:** 16.04.2024 **End date:** 16.07.2024
- **Location:** Oettingenstr. 67 (C) - C 007
- **Work format:** Seminar
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 12386

UNIV. PROF. DR. CHRISTOF MAUCH

### **How Green are the Germans? Culture, History, and the Environment in Transatlantic Perspective.** (Foundation Course)

Germany is globally seen as a successful environmental leader because of its renewable energy transition, environmental and climate protection, the nuclear power phase-out in the wake of the Chernobyl disaster, and the rise of the Green Party. The US, on the other hand, has been criticized for its lax environmental regulations, high CO2 emissions and a "culture of waste".

Where do the cultural imaginaries of the two countries come from? How valid are they? This class examines the interaction between humans and the natural world in Germany in historical perspective; and it draws select comparisons with developments in the United States. We will study local and regional developments - through optional excursions and a place-based seminar at Lake Starnberg.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Friday, June 7, 2:00-6:00 pm, Rachel Carson Center 415,  
Friday, June 14, 2:00-6:00 pm, RCC 415  
Friday, June 21, 2:00-6:00 pm RCC 415  
Friday, June 28-Sunday June 30, excursion
- **Start date:** 07.06.2024 **End date:** 30.06.2024
- **Location:** RCC 415
- **Work format:** Foundation Course
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 13766

**The following 2 courses are *only* offered as a bundle.**

PROF. DR. JOSEF BRÜDERL

### **Soziale Ungleichheit** (Vorlesung)

Das Modul bietet einen Überblick über theoretische Ansätze zur Erklärung sowie über empirische Herangehensweisen zur Erforschung von Strukturen und Dynamiken sozialer Ungleichheit. Die Vorlesung stellt entsprechende Ansätze und Herangehensweisen unter systematischer Berücksichtigung sowohl quantitativ-statistischer wie auch qualitativ-interpretativer Befunde vor. Sie berücksichtigt die multiplen Dimensionen sozialer Ungleichheit und bezieht auch Fragen des internationalen Vergleichs und globaler sozialer Ungleichheiten mit ein. Die Übung dient der Vertiefung einzelner Ansätze, Fragestellungen und Zusammenhänge im Feld der soziologischen Ungleichheitsforschung.

PROF. DR. JOSEF BRÜDERL

### **Soziale Ungleichheit** (Vorlesung)

- **Language:** German
- **ECTS:** 4 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Mondays, 10 am – 12 pm
- **Start date:** 17.04.2024 **End date:** 17.07.2024
- **Location:** Geschw.-Scholl-Pl. 1 (B) - B 006
- **Work format:** Lecture
- **Registration online:** Please register with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) by March 19th!
- **Belegnummer:** 15281

PROF. DR. BERNHARD GILL  
**Soziale Ungleichheit (Übung)**

- **Language:** German
- **ECTS:** 2 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Mondays, 10 am - 12 pm;
- **Start date:** 15.04.2024 **End date:** 15.07.2024
- **Location:** Geschw.-Scholl-Pl. 1 (B) - B 006
- **Work format:** Tutorial
- **Registration online:** Please register with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) by March 19th!
- **Belegnummer:** 15282

The following 2 courses are **only** offered as a bundle.

UNIV. PROF. DR. DIANA RIEGER  
**Einführung in die Kommunikationswissenschaft 2 (Lecture)**

Die Vorlesung für Studierende des zweiten Fachsemesters führt in die Grundlagen der Kommunikationswissenschaft ein und stellt ausgewählte Fachgebiete mit ihren zentralen Fragestellungen, Theorien, Forschungsmethoden und empirischen Befunden vor. Im zweiten Teil der Einführungsvorlesung stehen Forschungsansätze der Kommunikationswissenschaft im Fokus, die sich aus einer Mikroperspektive mit Medienhalten, Medienrezeption und Medienwirkungen beschäftigen. Zudem werden kognitions- und sozialpsychologische Grundlagen vermittelt, die für das Verständnis kommunikationswissenschaftlicher Modelle erforderlich sind. Anhand klassischer Studien und aktueller Beispiele aus der Forschung wird die Entwicklung von Theorien und Methoden des Fachs verdeutlicht. Die Vorlesung schließt an die Einführung in die Kommunikationswissenschaft I an.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 10 am - 12 pm
- **Start date:** 16.04.2024 **until** 16.07.2024
- **Location:** Oettingenstr. 67 (B) - B 001
- **Work format:** Lecture
- **Registration:** Please register with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) by March 19th!
- **Belegnummer:** 15311

DR. CORINNA LAUERER, ANTONIA MARKIEWITZ  
**Kommunikationsberufe 2 (Lecture)**

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. Studierende im BA-Hauptfach-Studiengang Kommunikationswissenschaft müssen im Laufe ihrer ersten beiden Fachsemester zwanzig Punkte für den Besuch von Veranstaltungen aus dieser Reihe sammeln. Dabei erhalten sie für jede besuchte Veranstaltung einen Punkt. Die verbindliche Anmeldung zu den Veranstaltungen erfolgt über <https://sirius.ifkw.uni-muenchen.de/kobe/index.php>

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 4 pm - 6 pm, and Wednesdays, 12 pm - 2 pm

- **Start date:** 16.04.2024 **End date:** 17.07.2024
- **Location:** Oettingenstr. 67 (B) - B 001
- **Work format:** Seminar
- **Registration online:** Please register with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) by March 19th!
- **Belegnummer:** 15310

## Content Area 2: Environmental Practice

### WP 5 Internship or Practice Seminar

PROF. DR. CHRISTOF MAUCH; 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:** 2 hours per week
- **Dates:** Tuesdays, 4:30 pm - 5:30 pm
- **Start Date:** 16.04.2024 **End date:** 16.07.2024
- **Location:** RCC, Leopoldstrasse 11a, Room 415
- **Work format:** Seminar
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 14757

DR. ANNA MARIA WALTER, FLORIS WINCKLER

#### Snow and Ice in the Alps – Last Chance for Science and Tourism (Part I)

Historically, mountain regions have typically been "discovered" by adventurers with scientific aspirations. In recent years, high-altitude climate and biodiversity hotspots characterized by ice and snow have become compelling spaces for both scientific research and leisure tourism. Actors in the nearby Alps, for example, often seek out such destinations with the "last chance" aim of either enjoying winters as long as still possible, visiting endangered glacier ecosystems or studying them to expand their remaining life span. Both groups carry different perspectives and motivations into the field, approaching, inhabiting, and envisioning geophysical places from different angles as well as positioning themselves in the wider societal debate of global warming in various ways.

In the course of the seminar, we will look into the current state of the Alpine cryosphere, historic examples of how people engaged with it, and analyze contemporary practices, such as skiing and hiking, touristic infrastructure, wildlife protection, and critical approaches by the Alpine Club (DAV), who closely works with researchers who urge to push forth sustainable solutions for human activity in sensitive ecosystems. The course will also include some applied components, such as digging through the archive of the Alpine Club or listening to interview material – some knowledge of German can be helpful but is not mandatory to participate in the class. Students are expected to attend regularly, prepare texts for



discussion, take part in group exercises and give short presentations as well as write a final essay (8 000 characters). The class will receive some teaching support and input on the history of science by RCC doctoral candidate Floris Winckel.

It is possible to continue on to Part II (in WP 5) of the course and join a two-day excursion to the research station Schneefernerhaus on top of the Zugspitze, where we will focus more closely on the perspective of scientists onto Germany's last glaciers and explore their as well as our own affective relation to the frozen element.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Fridays, 12 pm - 2 pm
- **Start Date:** 19.04.2024 **End date:** 19.07.2024
- **Location:** RCC, Leopoldstrasse 11a, Room 415
- **Work format:** Seminar
- **Registration online:** 28.03.2024 **until** 11.04.2024
- **Belegnummer:** 14900

**Please note:** As a **requirement** for enrollment in this course your presence for a one-day workshop at the Alpine Museum (TBD) in the first week of the semester, as well as an excursion to Zugspitze **July 29-30 is mandatory.**

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DR. ANNA-MARIA WALTER

### **Snow and Ice in the Alps – Last Chance for Science and Tourism (Part II)**

Only open to participants of Part I of this seminar (in WP 5)!

Historically, mountain regions have typically been "discovered" by adventurers with scientific aspirations. In recent years, high-altitude climate and biodiversity hotspots characterized by ice and snow have become compelling spaces for both scientific research and leisure tourism. Actors in the nearby Alps, for example, often seek out such destinations with the "last chance" aim of either enjoying winters as long as still possible, visiting endangered glacier ecosystems or studying them to expand their remaining life span. Both groups carry different perspectives and motivations into the field, approaching, inhabiting, and envisioning geophysical places from different angles as well as positioning themselves in the wider societal debate of global warming in various ways.

In this two-day project seminar, which will be co-conducted by RCC doctoral candidate Floris Winckel, we will focus on the perspective of scientists onto Germany's last glaciers, the mountains' permafrost and fading winters, and explore their as well as our own affective relation to the frozen element. Besides discussing literature on scientific research about snow and ice, and looking at pilot projects to conserve glaciers, we will also gain first-hand insights into the work of the Environmental Research Station Schneefernerhaus, have opportunity to talk to some scientists, and hike onto a small glacier.

Students are expected to attend the excursion, prepare texts for discussion and short presentations, and write a final essay/excursion report (6 - 12 000 characters). 2 days project seminar at the Environmental Research Station Schneefernerhaus, Zugspitze, 29-30 July (costs are covered).

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** 29.07.2024 – 30.07.2024
- **Location:** Research Station Schneefernerhaus, Zugspitze
- **Work format:** Excursion
- **Registration online:** 25.03.2024 **until** 08.04.2024
- **Belegnummer:** 14890

DR. UWE LÜBKEN, LENA ENGEL

### The Challenges of Conservation in a (Trans-)National Forest – Seminar incl. Excursion

NB: Blockseminar; max. participants: 18!

Participants will spend four days and three nights in the Nationalpark Bayerischer Wald. In a series of events (excursions, discussion, etc.) and in conversation with the national forest staff, we will focus on the challenges of conservation management in a transnational environment.

Accommodation: Länderhütten at the Wildniscamp am Falkenstein.

Framed by preliminary (May 17) and concluding (June 5) seminar sessions at the RCC in Munich.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates & Location:** 17.05., 9 am - 12 pm; 07.06. 9 am - 12 pm; RCC R415  
30.05.-02.06. Excursion
- **Work format:** Block seminar
- **Registration online:** 25.03.2024 **until** 08.04.2024
- **Belegnummer:** 14902

## Content Area 3: Environmental Politics and Ethics

### WP 7 Environmental Ethics and Politics

UNIV. PROF. DR. MARKUS VOGT

#### Umweltethik. Reflexionen zum Mensch-Natur-Verhältnis im Anthropozän (Lecture)

The course introduces students to the fundamentals of public policy analysis. It focuses on helping students understand what public policy analysis is and provides them with a toolkit of practical and applied methods for analyzing public policy issues and professionally communicating results in writing. Specifically, it introduces students to policy research and modeling techniques for analyzing complex, real-world issues involving uncertainty, complexity, ethical controversy, and multiple actors with diverse interests. Although the class emphasizes rational methods of analysis from economics, it also provides students with an understanding of the variety of approaches real-world policy analysis may entail.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Wednesday, 10 am – 12 pm
- **Start date:** 17.04.2024 **End date:** 17.07.2024
- **Location:** Geschw.-Scholl-Pl. 1 (D) - D 209

- **Work format:** Lecture
- **Registration online:** 25.03.2024 **until** 08.04.2024
- **Belegnummer:** 01070

UNIV. PROF. DR. SONJA DÜMPELMANN

### **Streets: Social, Cultural, and Environmental Histories of Urban Life**

Streets make cities and cities make streets. They are central to human culture; public (and private) life occurs on them. Streets enable transportation, commerce, and communication of various kinds. They are the product of wayfaring as well as planning. They have developed out of ancient human trails as well as designs for absolutist rulers and democratic municipalities. They are used for ostentatious representations of political power and control as well as for rallies organized by bottom-up movements and protest; and they are sites of oppression and bloody wars on the one hand, and of freedom and peaceful revolutions on the other. Streets have been built to open and forge connections, and they have been used as boundaries and instruments of urban renewal destroying neighborhoods and displacing their residents. Streets are predominantly made for movement of various kinds. These have changed with time and technological development, and on occasion one form of movement has been favored over another. In this seminar we will explore what a street is; why, how, by whom, and for whom streets are built; who uses streets and how; who manages and takes care of them; what select streets smell and sound like; and how streets are represented in various media.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 10 am – 12 pm
- **Start Date:** 16.04.2024 **End date:** 16.07.2024
- **Location:** RCC, Leopoldstrasse 11a, Room 415
- **Work format:** Seminar
- **Registration online:** 25.03.2024 **until** 08.04.2024
- **Belegnummer:** 14896

DR. HERMANN DOETSCH

### **Ästhetik des Transhumanen**

Die neuesten Entwicklungen in der Mikrobiologie (die CRISPR/Cas-Methode (Genschere) oder die mRNA-Forschung), und Neurologie (Neuralink), die immer größere Bedeutung, welche die KI in unserer Lebenswelt bekommt, und selbstverständlich der Diskurs über die Auswirkungen menschlichen Handelns im planetaren Kontext haben unser Verständnis vom dem, was den Menschen zum Menschen macht und wie der Mensch sich in seine Umwelt einfügt, erheblich verändert. Kurzum, es braucht eine andere Perspektive, wie sich menschliche und nicht-menschliche, d.h. biologische, geologische wie technische Elemente zusammen zu neuen Umwelten fügen. Gerade die lateinamerikanische Fiktion verschreibt sich in den vergangenen Jahren in starkem Maße diesen existenziellen Fragen. Indem sie Impulse aus der (v.a. angloamerikanischen) Science-Fiction (Bradbury, Dick, Le Guin, Lem) aufnehmen, und im Einklang mit den theoretischen Überlegungen von avancierten Denker:innen einer posthumanen Wirklichkeit gestalten eine ganze Reihe von Romanen intensive Experimente, die jenseits von einfachen Geschichten über Sternenkrieger und Roboter diese neue transhumane Wirklichkeit und deren Grenzen auf komplexe Weise zu ergründen versuchen.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursday, 12 pm – 2 pm
- **Start date:** 18.04.2024 **End date:** 18.07.2024
- **Location:** Amalienstr. 73A - 218
- **Work format:** Seminar

- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 14515

## WP 8 Environmental Law

DR. YAJIAO CHEN

**Public Policy Analysis** (Seminar)

The course introduces students to the fundamentals of public policy analysis. It focuses on helping students understand what public policy analysis is and provides them with a toolkit of practical and applied methods for analyzing public policy issues and professionally communicating results in writing. Specifically, it introduces students to policy research and modeling techniques for analyzing complex, real-world issues involving uncertainty, complexity, ethical controversy, and multiple actors with diverse interests. Although the class emphasizes rational methods of analysis from economics, it also provides students with an understanding of the variety of approaches real-world policy analysis may entail.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Wednesday, 2 pm – 4 pm
- **Start date:** 17.04.2024 **End date:** 17.07.2024
- **Location:** Oettingenstr. 67 - 027
- **Work format:** Seminar
- **Registration online:** 25.03.2024 until 08.04.2024
- **Belegnummer:** 15027

## Content Area 4: Human Ecology and Natural Sciences

### WP 9 Geography A

UNIV. PROF. DR. GORDON WINDER/UNIV. PROF. DR. HENRIKE RAU/UNIV. PROF. DR. MATTHIAS GARSCHAGEN/ UNIV. PROF. DR. JOHANNES GLÜCKLER

**Sustainable Management of Resources** (Lecture)

This module is intended to look into key themes related to Geography and Sustainability. In particular, issues related to resources, such as resource scarcity of water, energy, phosphorous will be studied in relation to land use. A multi- and interdisciplinary perspective is taken to look into these themes. A special focus will be set on the analysis of socio-economic aspects of sustainability.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursdays, 2 pm – 4 pm
- **Start date:** 18.04.2024 **End date:** 18.07.2024
- **Location:** Richard-Wagner-Str. 10 - D105
- **Work format:** Lecture
- **Registration online:** 25.03.2024 until TBD 08.04.2024
- **Belegnummer:** 14898

Please do **not** register for this course via LSF: Instead, email: [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de).

**Please note:** You can only earn 3 ECTS in this seminar and you need 6 ECTS to complete Content Area 4. Therefore, we recommend that you attend a second 3-ECTS-Seminar during this or the upcoming winter semester in Content Area 4 in order to earn 6 ECTS in total.

## WP 10 / 11 Biosciences and Anthropology A / B

DR. IOANNIS MOUSTAKIS

### Boden-Pflanze-Atmosphäre-Kontinuum (Lecture)

Das Modul besteht aus der Vorlesung "Boden-Pflanze-Atmosphäre-Kontinuum" mit folgenden Inhalten:

- Bodenhydraulische und –chemische Eigenschaften: Retentionskurve, gesättigte und ungesättigte hydraulische Leitfähigkeit, KAK, Retardierung.
- Richardsgleichung, Konvektions-Dispersionsgleichung, Wärmetransportgleichung.
- Strahlungs- und Energiebilanz an der (Erd-)Oberfläche, Bewegungsgleichungen, Besonderheiten bodennaher Turbulenz.
- Experimentelle Bestimmung und Modellierung des Energie- und Stoffhaushaltes in der atmosphärischen Grenzschicht.
- Photosynthese: Einflussfaktoren, C3-C4-CAM Metabolismen, Wasser und Kohlenstoffhaushalt von Pflanzen und Ökosystemen
- Pflanzenwachstums- und Ökosystemmodelle
- Globale Stoffkreisläufe
- Bodenphysikalische, pflanzenökologische und mikro-meteorologische Messtechnik.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Tuesdays, 2 pm – 4 pm
- **Start date:** 16.04.2024                      **End date:** 16.07.2024
- **Location:** Luisenstr. 37 - C 024 (TBD)
- **Work format:** Lecture
- **Registration online:** 25.03.2024                      **until** 08.04.2024
- **Belegnummer:** 14899

**Please note:** You can only earn 3 ECTS in this seminar and you need 6 ECTS to complete Content Area 4. Therefore, we recommend that you visit a second 3-ECTS-Seminar during this or the upcoming winter semester in Content Area 4 in order to earn 6 ECTS in total.

## WP 12 Geology

The following 2 courses are **only** offered as a bundle.

In addition to conveying the significance of geology to researching social environmental history, the module offers a comprehensive introduction to geological sciences. In the integrated learning activity (ILA), students acquire basic geological knowledge relevant, for example, to addressing questions about climate change, CO<sub>2</sub> storage, raw material extraction, environmental geology, or geological risks. Through group work, students examine case studies in which geological expertise has contributed or can contribute to solving an environmental or socially relevant problem. The exercise deals with the classification of important rocks and rock-forming minerals and other relevant methods of geology, such as the interpretation of geological maps and profiles in order to understand geological relationships.

UNIV. PROF. DR. ANKE FRIEDRICH

### Basic Concepts in Geology

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 SWS
- **Dates:** Tuesdays, 2 pm - 4 pm
- **Start date:** 16.04.2024                      **End date:** 16.07.2024

- **Location:** TBD
- **Work format:** Integrated learning activity
- **Registration online:** 28.03.2024 **until** 11.04.2024
- **Belegnummer:** 14781

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### Geological Methods

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 SWS
- **Dates:** Tuesdays: 4 pm - 6 pm
- **Start date:** 16.04.2024 **End date:** 16.07.2024
- **Location:** TBD
- **Work format:** Tutorial
- **Registration online:** 28.03.2024 **until** 11.04.2024
- **Belegnummer:** 14782

## WP 13 Geography B

PD DR. SARA CARENA

### Sorbas sedimentary basin virtual field trip, Spain

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 4 hours per week
- **Dates:** tba (bitte gesonderten Aushang beachten)
- **Start date:** 18.04.2024 **End date:** 18.07.2024
- **Location:** Online
- **Work format:** Seminar
- **Registration online:** 25.03.2024 **until** 08.04.2024
- **Belegnummer:** 20420