

# Environmental Studies Certificate Program

## Course Catalogue Winter Term 2021/2022

During the winter term 2021/22 and due to the ongoing COVID-19 situation, our courses might take place online or in person. As we are offering courses from different faculties, please contact your lecturers in order to check whether teaching is offered in presence, online or in hybrid formats.

Please register for courses as soon as possible instead of waiting until October 11<sup>th</sup>.

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

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

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DR. GESA LÜDECKE

#### Lunchtime Colloquium and Reading Course: International Perspectives

Combined with the RCC Lunchtime Colloquium, the Reading Course makes up 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 have to attend this course over two semesters. Lively discussions are the core of this course, based on weekly presentations on different topics provided by the course participants.

Please register for both, Lunchtime Colloquium and Reading Course, via LSF. Details will be discussed with registered students as soon as possible.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **Timeframe:** 4 hours per week
- **Dates:** Thursday, 12:30 am - 4 pm
- **Start date:** 21.10.2021 **End date:** 10.02.2022
- **Location:** if not online: KHG, Leopoldstrasse 11
- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 13185 & 14702

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## Elective Modules (Wahlpflichtveranstaltungen)

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### Environmental History and Society

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

PROF. DR. CHRISTOF MAUCH

##### **American Environments: Explorations in U.S. Nature, Culture, History and Politics** (Lecture)

This lecture takes a fresh look at the history of the United States. It is designed as a narrative inquiry into different regions and places in the US and into their longue durée history and culture. *American Environments* analyses the transformation and exploitation of the natural world by focusing on diverse sites from the subtropics in Florida to the arctic in Alaska. Each lecture tells a story about a complex, often ambivalent relationship between humans, vegetation, animals and the built environment.

The lecture attempts to answer a diverse set of questions such as: Why do Americans preferably settle in catastrophe-prone areas such as Malibu, California? How did one of the dirtiest cities in the US, Portland (Oregon) become the nation's "greenest city"? What is the past and future of U.S. deserts? What are the roots of protest against toxic sites like Love Canal, New York? How have cowboys shaped American landscapes? How did the discovery of resources (gold and oil) transform Alaska? How fake is nature in Disney's Animal Kingdom and how "natural" are Florida's Everglades? How has the Mississippi river shaped Memphis, Tennessee, in particular, and US culture in general? And many others. *American Environments* is informed by personal visits to all the site that will be discussed and analyzed. It is a highly visual lecture, designed to provide a critical, multi-faceted picture of US nature, culture and politics.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 2 pm - 4 pm
- **Start date:** 21.10.2021 **End date:** 10.02.2022
- **Location:** if not online: Schellingstrasse 3 (S) S 007
- **Work format:** Lecture
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 13670

DR. GESA LÜDECKE; ANA HERNÁNDEZ CHAMORRO

##### **Growing Smaller: Degrowth, Sufficiency and Sustainability in Architecture, Planning and Society** (Foundation Course)

This multidisciplinary seminar asks how we can live a good life without rapidly destroying the planet. In a dialogue with architects and civil engineer from the Technical University of Munich, humanities scholars from the Amerika-Institut and the Rachel Carson Center will discuss how green technologies, innovative infrastructures, social practices and lifestyles can contribute to new economic patterns and philosophies that will help to slow down the global ecological crisis. Overall, this seminar asks how the US and other

nations in the western world have seen nature and progress in the past and what it will take to shift ideologies of extraction and domination into new directions.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Mondays, 1 pm - 5 pm
- **Start date:** 18.10.2021 **End date:** 07.02.2022
- **Location:** if not online: TUM Hauptgebäude
- **Work format:** Foundation Course
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 13699

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## WP 2 Anthropology

DR. ANNA ANTOVA

### **Tourist Landscapes: Environment, Society, and Tourism** (Seminar)

Despite its current decline due to the COVID-19 pandemic, the global tourist industry remains a key power reshaping landscapes and communities worldwide. For travelers, tourism can define their relationship to the environment. For destinations, the industry can create and sustain vital livelihoods. Yet it also has immense impacts on ecosystems and societies around the world.

In this seminar, we will take a critical look at the societal and environmental issues arising from a range of tourist practices. We will think about various modes of tourism: from globe trotters, skiing, and beach holidays to dark tourism, wildlife watching, and ecotourism. Considering case studies from around the world, we will explore a range of issues including: the transformations experienced by the environments, cultures, and communities that support tourism; the relationships between different forms of privilege and access to nature via tourism; or the control and commodification of landscapes, cultural heritage, and even disaster. Finally, we will discuss the way that the pandemic has brought these issues to light and debate whether and how the industry could change in the future.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Wednesday, 1:30 pm – 3 pm
- **Start date:** 20.10.2021 **End date:** 09.02.2022
- **Location:** online
- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** -

DR. ANNIE CHAN

### **Steppe Archaeology and Ethnoarchaeology** (Seminar)

The study of ancient cultures in the steppe ecozone extending across the upper mid-latitudes of the continent of Asia is integral to learning the history of Asia at large. An important contributor to this cognizance is breakthroughs and exponential growth in archaeological and ethnoarchaeological research in the last 50 years. This course offers an examination of the key findings (for this course, primarily from

Russia, China, Mongolia, and Kazakhstan) that have provided critical insights into ways environment shaped human societies - and *vice versa* - in this vast region known for its vibrant crosscultural histories.

Please find more information regarding literature recommendations on LSF (12959).

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 12 am – 2 pm
- **Start date:** 21.10.2021 **End date:** 10.02.2022
- **Location:** if not online: Kaulbachstr. 53 - 004
- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 12959

**Admission restriction:** Unfortunately, we can only offer this course to 5 students enrolled in the ESCP. Please register, not via LSF, but with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) stating your full name, Matrikelnummer, study program, current Fachsemester and study email by October 6.

DR. WOLFGANG KAPFHAMMER

### **"Die Aprikosenbäume gibt es ...". Ethnologische Perspektiven auf die Beziehungen zwischen Menschen und Pflanzen.**

Mit dem sprichwörtlich ersten Atemzug setzen wir aerobe Lebewesen uns vor allen anderen mit den Pflanzen in Beziehung, indem wir den von ihnen produzierten Sauerstoff zum Leben verbrauchen. Trotz dieser fundamentalen Bedeutung des Pflanzenreichs ist der Versuch, unser mittlerweile vielfach zerbrochenes Naturverhältnis zu sanieren, weitgehend „zoozentrisch“ geblieben (Emanuele Coccia). Ohne nun gleich einen „plant turn“ für unser Zeitalter auszurufen – sei es im kritischen Sinne des neokolonialen Irrwegs eines „Plantationocene“ (Anna L. Tsing) oder aber im Sinne der spielerischen Verschmelzungsphantasie eines „Planthropocene“ (Natasha Myers) –, ist dennoch die zunehmende Sorge um die richtige Positionierung im „grünen Bereich“ nicht zu übersehen.

Im Seminar werden wir uns umsehen, wie angesichts einer unmittelbaren Einbettung in eine grüne Umwelt, der Synchronisation mit vegetabilen Rhythmen und konsumptiver Abhängigkeit von pflanzlichen Substanzen die Beziehung zwischen Menschen und Pflanzen in mannigfaltiger Weise repräsentiert wird: die Reklamation vegetabiler Konsubstantialität, das Vertrauen auf körperliche Heilung und geistige Erkenntnis durch pflanzliche Stoffe, der ästhetischen Freude an pflanzlicher Diversität bis hin zu groß angelegten rituellen Bühnen, auf denen die enge Beziehung zu Pflanzen einen Raum fordert, um moralische Dilemmata um Heterotrophie und Kontamination auszuagieren. Nicht zuletzt bieten vegetabile Muster mehr und mehr Inspiration zu den notwendigen Transformationsdesigns angesichts einer ökologischen Krise planetarischen Ausmaßes.

(Zum Seminartitel: so beginnt das Gedicht „Alphabet“ der dänischen Lyrikerin Inger Christensen, in dem sie versucht, Sprache und Biologie zu verknüpfen).

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 4 pm – 6 pm
- **Start date:** 21.10.2021 **End date:** 10.02.2022
- **Location:** Oettingenstr. 67-115

- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until 11.10.2021**
- **Belegnummer:** 12913

## WP 4 Sociology

PROF. DR. BERNHARD GILL

### **Einführung in die Umweltsoziologie (mit einem Schwerpunkt zu infektionsbiologischen Diskursen)** (Lecture & Seminar)

Wie entwickeln sich Gesellschaften in Abhängigkeit von ihrer physischen Umwelt? Wie ist es möglich, dass Industriegesellschaften aktuell mehr physische Umwelt verbrauchen, als – langfristig und global betrachtet – vorhanden ist? Wie lässt sich die Überlastung der globalen Umwelt durch verbesserte Technologien und vernünftigeren Lebensweisen ändern? Wie lässt es sich verstehen, dass Wahrnehmung und Interpretation des Umweltzustands nicht einfach "der Wissenschaft" folgen, sondern gesellschaftlich umstritten sind? Die Vorlesung wird diesen Fragen nachgehen.

In der Tafelübung werden entsprechende Texte der wissenschaftlichen Literatur diskutiert sowie Modellrechnungen zum Umweltverbrauch vorgenommen. Aus aktuellem Anlass gibt es außerdem einen Schwerpunkt zu infektionsbiologischen Problemen und Problemwahrnehmungen.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 4 SWS
- **Dates:** Mondays, 10 am – 12 am (Lecture)  
Tuesdays, 2 pm – 4 pm (Tafelübung)
- **Start date:** 18.10.2021 **End date:** 07.02.2022
- **Location:** if not online: Schellingstr. 3 (S) - S 005
- **Work format:** Lecture & Tafelübung
- **Registration online:** 27.09.2021 **until 11.10.2021**
- **Belegnummer:** 15236, 15172

PROF. DR. BERNHARD GILL/ SOPHIE DUSCHINGER

### **Cities – smart and/or sustainable?** (Seminar)

The last two hundred years have shown an ever-increasing global trend towards urbanization on a worldwide level. And this trend is assumed to continue in the foreseeable future. In 1950, about 30% of the world population lived in cities. Today, it is 52% and – by 2050 – it will be 67% according to projections of the UN. For developed countries the UN projects an increase from currently 78% to 86% of urbanized population by 2050. Thus, cities are and will be the main center of human development. Two major questions of urban development are currently discussed in the public and in the scientific literature: the ecological sustainability and the digital smartness of cities. The problems of urban pollution are old but remain relevant: waste, smog, noise and traffic jams. A newer theme is how cities can mitigate and adapt to climate change. Other problems are attractiveness and equal access to social spaces. These problems are seen by many planners and investors as new opportunities to engage digital infrastructure and artificial intelligence for control, smarter transport and communication, more resource efficient buildings infrastructures and household devices. At the same time, old and new questions of infrastructural security,

social segregation and information privacy may arise from the propagated solutions. The seminar will engage in all these problems and try to envision possible scenarios of tomorrow's urban environments.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 2 pm – 4 pm
- **Start date:** 19.10.2021 **End date:** 08.02.2022
- **Location:** if not online: Konradstr. 6 - 209
- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 15257

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## Environmental Practice

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### WP 5 Internship or Practice Seminar

PROF. DR. CHRISTOF MAUCH / DR. GESA LÜDECKE

#### Tuesday Discussion (Seminar)

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
- **Timeframe:** 2h per week
- **Dates:** Tuesdays, 4 pm - 6 pm
- **Start Date:** 19.10.2021 **End date:** 08.02.2022
- **Location:** if not online: Leopoldstr. 13, H1 - 1503
- **Work format:** Seminar
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** 14703

PROF. DR. MARIA STOCKENREITER / JENS BENÖHR/ DR. GESA LÜDECKE

#### Queer, Sentient and Visionary Ecologies (Seminar + workshop)

This seminar aims to explore queer, sentient and visionary perspectives on the ecologies we inhabit in a critically damaged planet. Bringing together thinkers and makers from the fields of the arts, the social and natural sciences, and technology, this seminar proposes to create an experimental and intersectional learning platform that will open up a space of encounter and exchange between different epistemologies and worldviews on the environment. How can we think and envision multiple natures and futures to come? We will collectively explore these issues through weekly virtual gatherings and an experimental workshop.

**Please note: Given the high demand expected, and limited free spots available, we will require a motivation letter (one page max.) from each candidate in order to participate in the seminar.**

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2h per week
- **Dates:** November - December 2021 /January 2022 (6 weekly study sessions + 1 compact workshop of 3 sessions in the last week)
- **Start Date:** 10.11.2021 **End date:** 20.01.2022
- **Location:** Online
- **Work format:** Seminar + Workshop
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** -

**Please send your motivation letter to [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) stating your full name, Matrikelnummer, study program, current Fachsemester and study email.**

DR. SAMER ANGELONE

**Storytelling and Storyboarding Science at Global Science Film Festival** (Place-based workshop)

There have been great scientists that dropped out of school, but there have been no great scientists that did not tell stories! We seek to challenge, inspire and train scientists to use narrative techniques and strategies employed in film to produce persuasive presentations and publications. Borrowing communication strategies and techniques from filmmakers and applying them in science communication will help scientists for better communication of their research, and scientists are wise enough to do so! The participants will have to prepare a report about the film festival in Zurich. Report from last time: [Storytelling and Storyboarding Science: The Global Science Film Festival \(seeingthewoods.org\)](http://seeingthewoods.org)

- **Language:** English
- **ECTS:** 3 ECTS Points
- **Dates:** Friday, 29.10.2021 workshop, Zurich film festival November 26-28
- **Start Date:** 29.10.2021 **End date:** 28.11.2021
- **Location:** TBD
- **Work format:** Place-based workshop
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:**

**Please register at [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) stating your full name, Matrikelnummer, study program, current Fachsemester and study email.**

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Environmental Politics and Ethics

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## **WP 7 Environmental Ethics and Politics**

PROF. DR. KAREN PITTEL

**Environmental and Resource Economics** (Lecture + Tutorial)

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2h - 4h hours per week
- **Dates:** Mondays, 10 am – 12 am (Lecture)  
Tuesday, 10 am – 12 pm (Tutorial)
- **Start date:** 18.10.2021 / 19.10.2021      **End date:** 07.02.2022 / 08.02.2022
- **Location:** if not online: Geschw.-Scholl-Pl. 1 (M) - M 105 (Lecture)  
if not online: Geschw.-Scholl-Pl. 1 (B) - B 106 (Tutorial)
- **Work format:** Lecture + Tutorial
- **Registration online:** 27.09.2021      **until** 11.10.2021
- **Belegnummer:** 05042 (Lecture), 05044 (Tutorial)

**PLEASE NOTE:** basic knowledge in microeconomics required!

**Register on LSF:** Choose “Vorlesungsverzeichnis” in the menu on the left and click through until you find the lecture and tutorial (*Vorlesungsverzeichnis* → *Fakultätsübergreifende Veranstaltungen* → *Rachel Carson Center* → *ESCP* → *Elective Moduls* → *Environmental Politics and Ethics* → *WP07*).

Also get in contact with Prof. Pittel in order to receive all relevant information on the class: 05042 (Lecture), 05044 (Tutorial).

DR. KORBINIAN RÜGER

### **Klimawandel und Ethik** (Seminar)

Der Klimawandel ist eines der drängendsten Menschheitsprobleme, wird aber nicht mit der nötigen Konsequenz angegangen. Hindernisse der Umsetzung bestehen vielfach an der Schnittstelle zu ethischen Erwägungen: Sind wir überhaupt zukünftigen Menschen gegenüber moralisch verpflichtet? Wie sollten die Lasten und Kosten des Klimawandels global verteilt werden? Weitere grundsätzliche Fragen stellen sich: Wie gehen wir mit den Unsicherheiten in der Klimaforschung um? Muss die Wirtschaft schrumpfen, um der Klimakrise zu begegnen? Diese Fragen können nur beantwortet werden, wenn Klimaforschung und Ethik zusammengebracht werden. Dieses Seminar richtet sich deshalb bewusst an Studierende aus der Philosophie und der Geographie der LMU München mit dem Ziel, gemeinsam neue Wege zu beschreiten. Die Studierenden werden in Paaren aus Geographie und Philosophie zu Themen aus folgenden Bereichen zusammenarbeiten:

- Internationale Klimaziele
- Herausforderungen der Klimaforschung
- Wissenschaftstheorie und „Klimaskepsis“
- Zukunftsethik
- Globale Gerechtigkeit
- Moralische Motivation
- Individuelle und kollektive Verantwortung
- Umweltethik vs. Klimaethik
- Politik: „Degrowth“ oder „Green New Deal“?

Die Grundlagen der jeweils fachfremden Disziplin werden im Seminar vermittelt, aber ein großes Interesse an Interdisziplinarität und Bereitschaft zur intensiven Zusammenarbeit mit Studierenden und Dozierenden der anderen Disziplin ist Grundvoraussetzung.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 2 pm - 4 pm



- **Start date:** 21.10.2021 **End date:** 10.02.2022
  - **Location:** online via Moodle and Zoom
  - **Work format:** Seminar
  - **Registration online:** 27.09.2021 **until** 11.10.2021
  - **Belegnummer:** 10033
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## WP 8 Environmental Law

HELMUT PETZ

### Umweltrecht

Die Veranstaltung findet 4-stündig statt, dafür nur das halbe Semester. Sie ist geeignet für Studierende im SPB 8 oder in Studiengängen mit Bezug zum Umweltrecht (z.B. Environmental Studies).

- **Language:** German
  - **ECTS:** 6 ECTS Points
  - **Timeframe:** 4 SWS
  - **Dates:** Fridays, 10am – 2pm
  - **Start date:** 22.10.2021 (*tbc*) **End date:** 10.12.2021
  - **Location:** if not online: Schellingstr. 3 (R) - R 305
  - **Work format:** Lecture
  - **Registration online:** 27.09.2021 **until** 11.10.2021
  - **Belegnummer:** 03154
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## Human Ecology and Natural Sciences

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### WP 9 Geography A / B

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

#### Geography and Sustainability (Lecture)

Angebot für das Certificate Program "Environmental Studies" des Rachel Carson Center. Important for ESP-students: Please register for this course, not via LSF, but with: envstudies@rcc.lmu.de.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 2 pm – 4 pm
- **Start date:** 19.10.2021 **End date:** 08.02.2022
- **Location:** if not online: Luisenstr. 37 (C) - C 206
- **Work format:** Lecture
- **Registration online:** 27.09.2021 **until** 11.10.2021
- **Belegnummer:** -

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

**Please register via LSF (listed under Dr. Gesa Lüdecke).**

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

PROF. DR. ROBERT SAUSEN

**Klimaänderung I** (Lecture)

- **Language:** German
- **ECTS:** 3 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Wednesdays, 4 pm – 6 pm
- **Start date:** 20.10.2021                      **End date:** 08.02.2022
- **Location:** if not online: Theresienstr. 37 - A 248
- **Work format:** Lecture
- **Registration online:** 27.09.2021                      **until** 11.10.2021
- **Belegnummer:** 17154

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

**Please register via LSF AND with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de) stating your full name, Matrikelnummer, study program, current Fachsemester and study email.**