

# Environmental Studies Certificate Program

## Course Catalogue Winter Term 2020/2021

During winter term 20/21, our courses will continue online due to the COVID-19 situation. As we are offering courses from different faculties, there might be exceptions where teaching is offered in presence or in hybrid formats. Please check on courses individually.

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

---

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

---

DR. GESA LÜDECKE; PROF. DR. CHRISTOF MAUCH

#### **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 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.

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 pm - 4 pm
- **Start date:** 05.11.2020 **End date:** 11.02.2021
- **Location:** online via Zoom and Moodle
- **Work format:** online presentations and reading course
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14695 & 14696

---

## Elective Modules (Wahlpflichtveranstaltungen)

---

### Environmental History and Society

---

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

DR. HANNA STRASS-SENL

##### Representing Environmental Refugees in Film and Literature

One socio-ecological phenomenon that characterizes our times is an ever increasing displacement of people due to environmental causes. Migration processes induced by environmental factors (such as desertification and water scarcity, environmental destruction through natural catastrophes, sea level rise, and the like) are covered and addressed in a variety of media. In this seminar, we will look at the figure of the environmental refugee and explore its representation in different media. We will read non-fiction as well as fiction texts; discuss representational strategies in documentary film and fiction film; and take a look at poetry performance as a form of political activism. In our engagement with the figure of the environmental refugee, we will also address its discursive embeddedness and critically assess who uses the figure of the environmental refugee, in which way, and to what political ends.

All seminar attendees are expected to actively participate in the seminar. This includes regular attendance; the preparation of the assigned reading/viewing materials before each session, which we will then work on and discuss as a group; and the submission of two response papers (500-700 words each) during the semester. Participants conclude the seminar with an individual paper, which is either an extended reflection on their presentation topic (approx. 3.000 words) or a seminar paper (4.000-6.000 words). Participants are encouraged to purchase the following texts as a hard copy. Ideally, buy the exact edition given here, as this will make it easier to talk about the texts:

- Bacigalupi, Paolo. *The Water Knife*. Vintage, 2015. ISBN: 978-0-8041-7153-3
- Habila, Helon. *Oil on Water*. Penguin, 2011. ISBN: 978-0-141-04684-6

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Mondays, 2 pm - 4 pm
- **Start date:** 02.11.2020 **End date:** 08.02.2021
- **Location:** online via Zoom and Moodle
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14800

PROF. DR. UWE LÜBKEN

##### Umwelt im US-Amerikanischen Film

This seminar examines cinematic presentations of environmental topics such as environmental catastrophes, the transformation and destruction of landscapes, environmental movements, the anthropogenic climate change, *Environmental Justice*, pandemics and mobility. In doing so, we will especially but not only analyze US-American movies and documentaries from the 1920 until today. Through these movies and through the seminar literature we will receive insights in the US-American environmental history of the 20th century and the importance of movie(s) as a historical source.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 4 hours per week
- **Dates:** Mondays, 10 am - 12 pm; Tuesdays 10 am - 12 pm
- **Start date:** 02./03.11.2020 **End date:** 08./09.2021
- **Location:** Mondays R 001 and Tuesdays R 201 Historicum, Schellingstr. 12  
and online
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 13611

## WP 2 Anthropology

DR. WOLFGANG KAPFHAMMER / PROF. DR. EVELINE DÜRR

### **Das eigentlich ganz gute Leben. Eine ethnologische Annäherung an Narrative und Praktiken des Mangels und der Fülle als Beitrag zur De-Growth-Debatte**

Es ist beileibe nicht so, dass dem lauter werdenden Ruf nach Verzicht eine gewisse Vergeblichkeit anhaftet, weil den so Angesprochenen die Alltagserfahrung des Mangels fehle, denkt man an die Auswirkung einer Austeritätspolitik im neoliberalen Staat oder die Bitternis von Armut infolge einer „imperialen Lebensweise“ (Ulrich Brand) anderer. Die Steigerungslogik des globalen Wirtschaftssystems sitzt zu tief in unseren „mental Infrastrukturen“ (Harald Welzer) verankert, als dass die Kassandrarufer nach De-Growth von Klima- und Umweltschützer\*innen allzu großflächig durchdringen würden. Und dennoch finden alternative Entwürfe, die gemeinsame Zukunft zu gestalten, immer mehr Zulauf und Unterstützung, darunter Denk- und Praxisanstöße, welche oftmals von Konzepten aus dem Globalen Süden inspiriert scheinen. Wie steht es also um die „Indigenialität“, von der Biologe Andreas Weber neuerdings (2018) als probatem Transformationsdesign schwärmt?

Im Seminar werden wir uns umsehen, womöglicherweise jene „Suffizienz“ (Wolfgang Sachs) zum Grundanliegen eines Lebens ohne Exzesse wird (the good enough life, Viveiros de Castro): in einem Leben vor dem „Fall“ der neolithischen Revolution (James C. Scott), oder gerade in den ruhigen Kreisläufen einer sich selbst beschränkenden (the limited good) Landwirtschaft vorindustrieller Prägung, oder doch erst in jüngeren Initiativen einer in die Praxis umgesetzten Wachstumskritik (Via Campesina, Nyéléni, Terra Madre u.v.a.)?

#### **Literaturtipp:**

- James Sulzman, *Affluence without Abundance. The disappearing world of the Bushmen*, Bloomsbury, New York 2017

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 4 pm - 6 pm
- **Start date:** 05.11.2020 **End date:** 11.02.2021
- **Location:** online
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 12325

DR. ANNA ANTONOVA

### **Common Ground: Property, the Commons, and Environmental Justice**

Ideas of property and the commons can be found everywhere in environmental thought and governance. But like all ideas, they have multiple meanings, each with far-reaching real-world implications. Throughout history, different definitions of property and the commons in natural space have alternatively empowered or disempowered individuals, communities, and nations, as well as significantly altered local and global environments. In this seminar, we will study a range of ideas about property and the commons — from Locke’s notion of property, “the tragedy of the commons”, and enclosure, to ecofeminist commoning, climatic commons, and more-than-human property rights — and discuss their relationship to historic and contemporary issues of environmental justice.

Exam: 5-10 minute presentation plus 90-minute exam.

- **Language:** English
  - **ECTS:** 6 ECTS Points
  - **Timeframe:** 2 SWS
  - **Dates:** Tuesdays, 2:30 pm - 4 pm
  - **Start date:** 03.11.2020 **End date:** 09.02.2021
  - **Location:** online via Zoom and Moodle
  - **Registration online:** 12.10.2020 **until** 26.10.2020
  - **Belegnummer:** 14802
- 

### **WP 4 Sociology**

DR. GESA LÜDECKE; PROF. DR. WERNER LANG

### **Sufficiency: Perspectives in Engineering and Society**

To what extent does our global crisis affect not only society but also the building sector? What changes must be made here in order to be sustainable? What does sufficiency mean in this context? These and other questions are centered around one of the core areas of the sustainability concept. The seminar therefore examines the significance of the sufficiency concept for our quality of life and the consumption of resources this involves. Basic principles and various aspects of sufficiency with regard to our social and urban transformations towards sustainability will be presented by invited experts from different disciplines (natural sciences, built environment, economics and humanities) and discussed with the seminar group. The final assignments prepared by the students will reflect on these inputs and will also present and deepen recent findings from research and practice in the field of sufficiency. This seminar is a collaboration between TUM and Rachel Carson Center, LMU and therefore a unique opportunity to get in exchange and develop projects with lecturers and students across both universities.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 3 hours per week
- **Dates:** Mondays, 1:15 pm - 4:30 pm
- **Start date:** 02.11.2020 **End date:** 12.02.2021
- **Location:** online and presence
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14801

PROF. DR. BERNHARD GILL

## Einführung in die Umweltsoziologie

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? 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 infektiologischen Problemen und Problemwahrnehmungen.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Mondays, 10 am - 12 pm
- **Start date:** 02.11.2020 **End date:** 08.02.2021
- **Location:** online via Zoom
- **Work format:** Seminar
- **Registration online:** 19.10.2020 **until** 26.10.2020
- **Belegnummer:** 15186

---

## Environmental Practice

---

### WP 5 Internship or Practice Seminar

PHILIPP P. THAPA

#### How to Make the World a Better Place: Utopianism in Theory and Practice

People who engage in environmental studies often strive not only to understand the world but to improve it. In response, this seminar introduces utopianism as a methodical framework for making the world a better place. Utopias, in a traditional sense, are imaginary better places. So the task at hand might be re-described as making our actual world more closely resemble a utopia. The question is, how, and also why (this utopia and not a different one)? Based on relevant readings, the introductory section of the course traces the theory, history, and ethics of utopianism to some of its current incarnations including environmentalism and climate activism. An excursion will provide an opportunity to discuss our questions in relation to a concrete utopian project in the Munich region, with the people engaged in it. Subsequently, small teams of students will work on cases of their own choosing. The goal is to co-create an e-book of essays, interviews, etc. by the end of the semester. As in a writing group, weekly sessions will serve to discuss drafts and to address questions of content, method, form, and language as needed. Complete drafts of student contributions are due in late January, and the book will be put together in the semester break. This gives us time, in the final two sessions, to synthesize our findings, re-consider readings in their light, and reflect on our own experience of co-creation.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Wednesdays, 3 pm - 5 pm
- **Start Date:** 04.11.2020 **End date:** 10.02.2021
- **Location:** online via Moodle and Zoom
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14803

PROF. DR. CHRISTOF MAUCH / DR. GESA LÜDECKE

## 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
- **Timeframe:** 2h per week
- **Dates:** Tuesdays, 4:15 pm - 5:15 pm
- **Start Date:** 03.11.2020 **End date:** 09.02.2021
- **Location:** online
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14697

---

## Environmental Politics and Ethics

---

### WP 7 Environmental Ethics and Politics

DR. ALEXANDER SCHULAN

#### Global Justice and Individual Responsibility

Some people benefit from improved healthcare, increasing life expectancy, universal education, democratization and might even live in affluence. In contrast to that, other persons have to live in extreme poverty and under precarious circumstances. Similarly, injustices are often connected with environmental degradation. For example, rich people cause climate change by their greenhouse gas intensive lifestyle, where poor people suffer from the negative consequences like sea-level rise. These enormous inequalities in a divided world raises many important moral questions. A global and public debate about justice is needed which should help us to figure out how we should live together on this planet. Empirical phenomenon like globalization, migration, international trade, climate change and pandemics urge humanity even more to deal with such questions of global justice.

In the seminar we will explore the linkages between complex global injustices on the one hand and the individual person as agent on the other. For example, persons living in rich countries might doubt that global injustice is a problem and that there should be something done to improve the situation for less advantaged persons. In order to figure out the individual responsibility given global injustices, the contribution of the individual to the injustice and her capacity to reduce the injustice are plausible starting points in the debate. Possibly, individuals not taking account of their responsibility not to contribute to global injustice might also not comply with their responsibility not to cause damage to the environment, which might be a direct consequence of the injustice. In addition to that, we will apply moral accounts like cosmopolitanism and egalitarianism in the context of global injustice. Cosmopolitanism is based on the idea of a cosmopolitan ethos, where individuals act responsibly as citizens of the world. And, global relational egalitarianism is based on the idea that equality is a social and interactional value that is realized by relationships between all members of the global community.

Furthermore, we will debate if individual acts matter to heal global injustices which might be best dealt with collective action. Climate change is a paradigmatic example for the need for collective action. It is not one isolated individual who will be able to stop climate change by reducing her emissions of greenhouse gases. In contrast to that, global and coordinated measures are necessary to decrease the level of emissions to stop climate change. We will also discuss moral overdemandingness, which arises if moral demands expect too much of individuals and who accordingly fail to comply with their individual responsibility. And, in the open discussions within the seminar, we will apply the concepts of justice and responsibility of the readings to moral wrongs like climate change, environmental degradation and species extinction.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 hours per week
- **Dates:** Mondays, 4:15 pm - 17:45 pm
- **Start date:** 02.11.2020 **End date:** 08.02.2021
- **Location:** online via Moodle and Zoom
- **Work format:** Seminar
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 14804

PROF. DR. KARIN PITTEL

### The Economics of Climate Change and Climate Policy

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2h - 4h hours per week
- **Dates:** Mondays, 10 am - 2 pm (Lecture + Tutorial)
- **Start date:** 02.11.2020 (*tbc*) **End date:** 08.02.2021 (*tbc*)
- **Location:** online (*tbc*)
- **Work format:** Lecture + Tutorial
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 05094

**Please note:** basic knowledge in micro- and macroeconomics required!

PROF. DR. MARKUS VOGT

### Aktuelle Themen der Umweltethik

In dem Seminar werden aktuelle Herausforderungen der Umweltethik diskutiert. Grundlage sind neuere Publikationen, die zuvor gelesen und interdisziplinär analysiert werden. Es werden gezielt Kollegen und Promovenden/Habilitanden, die zu Umweltthemen forschen, als Gäste eingelassen.

- **Language:** German
- **ECTS:** 6 ECTS Points (*tbc*)
- **Timeframe:** 2 hours per week
- **Dates:** Thursdays, 4 pm - 6 pm
- **Start date:** 05.11.2020 **End date:** 11.02.2021
- **Location:** online
- **Work format:** Lecture
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 01059

## WP 8 Environmental Law

HELMUT PETZ  
Umweltrecht

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 4 SWS (*tbc*)
- **Dates:** Fridays, (*tbc*)
- **Start date:** 06.11.2020 (*tbc*)                      **End date:** 12.02.2021 (*tbc*)
- **Location:** online (*tbc*)
- **Work format:** Lecture
- **Registration online:** 12.10.2020                      **until** 26.10.2020
- **Belegnummer:** 03131

---

## Human Ecology and Natural Sciences

---

## WP 12 Geology

DR. GESA LÜDECKE; PROF. DR. WERNER LANG  
**Sufficiency: Perspectives in Engineering and Society**

To what extent does our global crisis affect not only society but also the building sector? What changes must be made here in order to be sustainable? What does sufficiency mean in this context? These and other questions are centered around one of the core areas of the sustainability concept. The seminar therefore examines the significance of the sufficiency concept for our quality of life and the consumption of resources this involves. Basic principles and various aspects of sufficiency with regard to our social and urban transformations towards sustainability will be presented by invited experts from different disciplines (natural sciences, built environment, economics and humanities) and discussed with the seminar group. The final assignments prepared by the students will reflect on these inputs and will also present and deepen recent findings from research and practice in the field of sufficiency. This seminar is a collaboration between TUM and Rachel Carson Center, LMU and therefore a unique opportunity to get in exchange and develop projects with lecturers and students across both universities.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 3 hours per week
- **Dates:** Mondays, 1:15 pm - 4:30 pm
- **Start date:** 02.11.2020                      **End date:** 12.02.2021
- **Location:** online and presence
- **Work format:** Seminar
- **Registration online:** 12.10.2020                      **until** 26.10.2020
- **Belegnummer:** 14801



## WP 13 Geography B

DR. THOMAS KOX; DR. WOLFGANG OBERMEIER

### Land Use

The module explores questions of land use systems at different spatial levels and in different regional contexts. The role of agriculture, industry, energy production, human settlement and tourism and leisure activities are presented as the main elements of contemporary land use systems. Besides the analysis of the market driven forces in land use systems, protected areas and their implementation and management are a further subject of this module. The module also deals with concepts and methods that can be used to analyze and to manage land use conflicts and to foster the development of more sustainable land use systems at different spatial levels.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 8 am - 10 am
- **Start date:** 03.11.2020 **End date:** 09.02.2021
- **Location:** Online
- **Work format:** Lecture
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 20179

Please register for this course, not via LSF, but with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de). Please state your full name, Matrikelnummer, study program, current Fachsemester and email.

PROF. DR. MATTHIAS GARSCHAGEN

### Geography and Sustainability

This course explores current issues in sustainability and the role of geography, both human and physical geography, in sustainability studies. The course 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 through a series of lectures and seminars. The course is intended as an introduction to the program and to the staff of the Geography Department. The exercise aims at applying the theories on concrete issues, e.g. by visiting firms and organizations.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 2 pm - 4 pm
- **Start date:** 03.11.2020 **End date:** 09.02.2021
- **Location:** Online
- **Work format:** Lecture
- **Registration online:** 12.10.2020 **until** 26.10.2020
- **Belegnummer:** 20189

Please register for this course, not via LSF, but with [envstudies@rcc.lmu.de](mailto:envstudies@rcc.lmu.de). Please state your full name, Matrikelnummer, study program, current Fachsemester and email.