

Environmental Studies Certificate Program

Course Catalogue Summer Term 2022

Please register for courses as soon as possible instead of waiting until 19 April. 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)

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

DR. ARIELLE HELMICK

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, 12:30 pm - 2 pm
- **Start date:** 28.04.2022 **End date:** 28.07.2022
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** presentations
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 13166

DR. GESA LÜDECKE

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:** 28.04.2022 **End date:** 28.07.2022
- **Location:** Katholische Hochschulgemeinde (KHG) Leopoldstr. 11, 1. OG.
- **Work format:** reading course
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14764

WP 1 – WP 13: Elective Modules (Wahlpflichtveranstaltungen)

Environmental History and Society

WP 1 American History, Culture and Society

DR. SASHA GORA

Off the Menu: The History of Culinary Extinction. (Seminar)

How do human appetites shape plants and animals, land and water, the world's present and its future? Because eating is one of the most direct ways that people interact with environments - locally and globally - by literally digesting them, fashions in food map not only changes in tastes, but also social and environmental transformations. This course will assemble a cast of extinct and endangered plants and animals—from silphium to passenger pigeons and from Carolina gold rice to wild Atlantic salmon - to survey the history of culinary extinction and to consider the relationship between cuisine and climate.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Mondays, 2 pm - 6 pm
- **Start date:** 25.04.2022 **End date:** 25.07.2022
- **Location:** TBD
- **Work format:** Seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14835

WP 2 Anthropology

DR. WOLFGANG KAPFHAMMER / PROF. DR. EVELINE DÜRR

Lebenswelten Amazoniens. Ein interaktives Regionalseminar (Seminar)

Dieses Seminar stellt eine besonders attraktive Möglichkeit dar, direkt mit BewohnerInnen des Gebiets Amazoniens in Kontakt zu treten und sich über diesen Hotspot der Environmental Humanities auszutauschen. Das Seminar wird zum einen in ganz klassischer Weise eine regionale Einführung in die Kultur(en) des Amazonasgebiets und seiner indigenen, mestizischen, afro-indigenen, ländlichen und städtischen Lebenswelten bieten. Neben allgemeinen Fragestellungen zu einer Soziodiversität, die jüngst in Brasilien wieder vermehrt unter politischen Druck gerät, werden wir diesmal das Augenmerk insbesondere auf die sich zuspitzende ökologische Situation in Amazonien richten. All diese Fragen werden wir nicht nur uns selbst, sondern vor allem auch Menschen aus der Region stellen. In einzelnen Sitzungen werden wir per Skype-Schaltung mit (vorrangig) indigenen Angehörigen eines Postgraduierten-Programms des anthropologischen Instituts der Universität Manaus, Hauptstadt des brasilianischen Bundesstaates Amazonas, sowie VertreterInnen des Centro de Medicina Indígena, einer von Indigenen aus dem Oberen Rio-Negro-Gebiet unterhaltenen kulturellen und medizinischen Begegnungsstätte, konferieren. Wie die Erfahrung der vorangegangenen Versuche einer solchen interaktiven Zusammenarbeit zeigte, liegt der Reiz eines solchen Dialogs nicht zuletzt darin, dass unsere amazonischen GesprächspartnerInnen die Agenda selbst in die Hand nehmen und uns zu einem wohltuenden Perspektivwechsel ermuntern.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **SWS:** 2/4 hours per week
- **Dates:** Tuesdays, 4 pm – 6 pm
Tuesdays, 6 pm – 8 pm (every other week)
- **Start date:** 26.04.2022 **End date:** 26.07.2022
- **Location:** Oettingenstr. 67 – 027/online
- **Work format:** Proseminar & Übung
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 12841

WP 3 History of Science

DR. SASHA GORA

Waterlogged: Venice, the Future, and the World

Venice is sinking: This is old news that we’ve all heard before. But what other narratives exist about this lagoon city? How are locals reimagining Venice? If the city is “a canary in a coal mine” when it comes to climate change, how might it forecast alternative futures? This place-based seminar casts Venice and its relationship to the Venetian Lagoon as a case study for examining urban environments through the lens of wetness. It will take both a Venice-in-the-world and the world-in-Venice approach to challenge binaries such as wet and dry, land and water, salt water and fresh. Furthermore, it will spotlight topics such as the balance between too much water and too little, tourism as a monoculture, and the environmental impacts of human hunger and thirst.

The seminar will begin with a meeting in Munich on Friday 6 May. We will travel to Venice Wednesday 25 May and return to Munich on Sunday 29 May. The final wrap-up meeting will then take place in Munich on Friday 8 July. Participants are expected to be present for all these dates. Also please note that proof of vaccination—the so-called green pass—is required to travel to Italy.

Because of limited spots, this course requires **a one-page motivation letter**. Please include: Why you, why Venice, and why this seminar? (The answer to question two need not be that you’ve been there before.) Please send your letter by **4 April** to sasha.gora@rcc.lmu.de.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2h per week
- **Dates:** May 6, May 25-29, and July 8
- **Start Date:** 06.05.2022 **End date:** 08.07.2022
- **Location:** Munich, RCC 4th Floor Conference Room/Venice
- **Work format:** Seminar & Workshop

WP 5 Internship or Practice Seminar

DR. GESA LÜDECKE, PROF. DR. CHRISTOF MAUCH

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:** 26.04.2022 **End date:** 26.07.2022
- **Location:** 4th floor conference room RCC, Leopoldstrasse 11a
- **Work format:** Seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14765

DR. ARIELLE HELMICK

Presentation Skills

This practical seminar (Übung) will give students background knowledge into the nuts-and-bolts of presentations, including posture, breathing/inflection, gestures, presentation structure, and technology. The course is highly interactive, and students will be given ample opportunity to practice their presentation skills and receive friendly, yet also constructive, feedback. The course culminates with students preparing and delivering short presentations to their peers.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Block 1: Fri, 29 April, 2 pm – 6 pm & Saturday, 30 April, 10 am – 4 pm
Block 2: Fri, 1 July, 2 pm – 7 pm & Saturday, 2 July, 10 am – 4pm
- **Start Date:** 29.04.2022 **End date:** 02.07.2022
- **Location:** 4th Floor Conference Room, RCC
- **Work format:** Seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14837

DR. DES. MAXIMILIAN FEICHTNER, SINAN VON STIETENCRON
Nantesbuch - Science and Art Festival at Stiftung Kunst und Natur

The field excursion consists of the participation and documentation of one's own access to and insights from a three-day event, which deals with the relationship between humanity and nature. The Science & Art Festival titled "Neither Tyrant nor Parasite" will take place at **the Stiftung Kunst und Natur (Art and Nature Foundation) Nantesbuch in Bad Heilbrunn on July 1st - 3rd 2022** and explores various approaches of Human-Nature Relationships in the 21st Century. It follows sensual, practical, creative, and intellectual paths to explore more sustainable understandings of humanity in times of climate crisis and mass extinction.

The block seminar will be accompanied by a preparation session two weeks before the event (TBA). The students will take an active part in the different practical and philosophical workshops (for instance permaculture gardening) and enjoy a diverse cultural program. After the festival, the students will develop a creative form of documentation (such as a poster or a podcast) drawing from their experiences during the festival.

Knowledge of German is recommendable since the festival's program is substantially in German, but a line of workshops will also be held in English. Participants stay overnight at a nearby youth hostel/campsite. Further information on transportation and costs will be provided soon. For more information on Stiftung Kunst und Natur, please visit <https://kunst-und-natur.de>. To apply for this excursion, please prepare **a short motivation letter** and submit it to envstudies@rcc.lmu.de by **May 31**.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Friday 01.07.2022 6 pm - Sunday 03.07.2022 4 pm
- **Start Date:** 01.07.2022 **End date:** 03.07.2022
- **Location:** Nantesbuch Foundation (Bad Heilbrunn)
- **Work format:** Seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14838

DR. ANNA ANTONOVA

Radical Hope: A Global Classroom Block Seminar

A Global Classroom block seminar featuring four collaborative meetings with students from University of Texas Austin (US) and Queen's University Belfast (UK) on hope as a renewable and essential resource for the environment. Hope is often sadly lacking in academic and popular conversations, with dominant framings of the Anthropocene focusing on overwhelming ecological crises, pragmatic pessimism, cognitive dissonance, climate denialism, and scientific realism. In online sessions with students from UT Austin and QUB, we will examine four perspectives on radical hope, from socio-technical thinking to interspecies relations in a digital era. We will push ourselves to determine how the concept of hope can help us reframe contemporary discussions and influence sustainability transformations. Students will gain practice communicating hope to different audiences by designing a unit for the "Radical Hope" syllabus and then producing a podcast based on it for a wider audience.

Based on [The Radical Hope Syllabus](#) created by Dr. Erika Bsumek (UT Austin) and Dr. John Barry (QUB), who are respectively teaching the UT Austin and QUB sessions of the course.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** 23.03., 30.03., 06.04., 13.04., always 4 pm – 7pm
- **Start Date:** 23.03.2022 **End date:** 13.04.2022
- **Location:** Online
- **Work format:** Seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14839

SAMER ANGELONE

6th Science Filmmarathon

In the filmmaking marathon, we train researchers in tools used in dramatic storytelling and filmmaking to communicate their research, thereby making their science more readily accessible for a broader audience. Course participants learn the basics of visual storytelling and filmmaking and in working in groups supervised by professional filmmakers will produce short films during three intensive course days. The produced films will be screened as premieres at the 5th Global Science Film Festival (www.sciencefilm.ch), with a special award for the best film. Please apply to Samer Angelone (samer.angelone@gmail.com) until June 10.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** 14-18 September, 2022
- **Start Date:** 14.09.2022 **End date:** 18.09.2022
- **Location:** Zurich
- **Work format:** Place-based workshop

SAMER ANGELONE

Storytelling and Storyboarding Science at DOK Filmfestival Munich

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 DOK film festival in Munich.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** 9 May, 10 May, 11 May
- **Start Date:** 09.05.2022 **End date:** 11.05.2022
- **Location:** TBD
- **Work format:** Place-based workshop
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14841

SARA-DUANA MEIER

How to Talk About the Future: Storytelling and Speculative Fiction in the Climate Crisis

Humans have been telling stories since imagination exists and thus have defined, explained, and shaped reality. Stories are a means to come to terms with what is, and a sounding board for the (im)possible – but stories can also be used to steer behavior and inspire action. A good story, whether verbal or visual, is like a Trojan horse: it sneaks not only information but also emotions into our heads.

How we talk about the climate crisis is increasingly crucial to addressing it. The way disasters are framed impacts societal responses and how we prepare for future events: our emotional register, whether it's reigned by doom or hope, will inevitably influence the policies we put forward. With social and environmental challenges looming over current and future generations, innovative and participatory forms of storytelling have become even bigger assets in the fabrication of possible new realities, cross-pollinating different fields. In short: the stories we tell about the future will define its shape.

The seminar intends to create a space for investigating various forms of storytelling in relation to the climate crisis and socio-environmental challenges. We will look at journalism, art, and literature, and take into account how scientists, tinkerers, designers, and more tell the story of both the present and the future. The participants will be encouraged to explore new perspectives, and find their own innovative ways of storytelling.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** June 10/11 and 17/18, 9am – 4pm
- **Start Date:** 10.06.2022 **End date:** 18.06.2022
- **Location:** TBD
- **Work format:** Experimental seminar
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14842

WP 7 Environmental Ethics and Politics

Please note that if you want to visit WP7 this semester, you will have to take BOTH of the following courses:

PROF. DR. MARKUS VOGT

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

Klimawandel, Biodiversitätsverlust und Kipppunkte im globalen Wasserhaushalt sind Indizien für ein neue erdgeschichtliche Epoche, in der der Mensch zum „Ingenieur des Erdsystems“ geworden ist. Politik, Wirtschaft und Gesellschaft sind mit der nötigen „Großen Transformation“ im Anspruch der 2015 beschlossenen „Sustainable Development Goals“ radikal überfordert. So brechen Grundsatzdebatten über das Naturverhältnis der „expansiven Moderne“, ökologische, globale und intergenerationelle Gerechtigkeit sowie den Stellenwert kosmopolitischer Ideale angesichts verschärfter Verteilungskämpfe auf. Auch die Religionen und Kirchen sind herausgefordert, ihr Naturverhältnis zu überdenken. Mit „Laudato si“, der ersten Umweltenzyklika (2015), hat sich die katholische Kirche intensiv in die Debatte eingemischt. Gegenstand der Vorlesung sind u.a.: Diagnosen zur ökologischen Lage der Welt; die neue erdgeschichtliche Epoche des „Anthropozän“: empirische Grundlagen und philosophische Kritik; Begründungsmodelle der Umweltethik; die normative Logik der Nachhaltigkeit und die häufigsten moraltheoretischen Kurzschlüsse der Debatte; Resilienz und Risikoethik; Humanökologie und Schöpfungsspiritualität in „Laudato si“; interreligiöse Perspektiven einer „Ökothologie“; Tierethik; Postwachstumsgesellschaft und Handlungsmodelle für eine postfossile Gesellschaft; Bioökonomie und Ethik der Innovation; nachhaltige Konsum- und Lebensstile in liberalen Gesellschaften, Bildung für Nachhaltigkeit; „transformative Wissenschaft“; Fridays4Future aus sozialetischer Sicht; die deutsche Nachhaltigkeitsstrategie 2020.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Wednesdays, 10 am – 12 pm
- **Start date:** 27.04.2022 **End date:** 27.07.2022
- **Location:** Geschw.-Scholl-Pl. 1 (M) - M 010
- **Work format:** Lecture
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 01076

IVO FRANKENREITER

Aktanten-Netzwerke zwischen Politik und Religion – Bruno Latour und die Christliche Umweltethik (Lecture)

Der Klimawandel ist bereits heute eine gesamtgesellschaftliche Herausforderung, die sich in den kommenden Jahren weiter verschärfen wird. Ihr Ausmaß wird erst durch eine Vielzahl einzelwissenschaftlicher Perspektiven erkennbar. Für sich allein genommen, bleibt jeder dieser Zugänge hinter der Komplexität des Problems zurück. Die zentrale Aufgabe besteht somit darin, sowohl im Denken als auch in der politischen Praxis unterschiedliche Blickwinkel konstruktiv in Verbindung zu setzen. Als eine zentrale Figur für die Verbindung von technischen, sozialwissenschaftlichen und sogar religiösen Diskursen hat sich über die vergangenen Jahrzehnte der französische Soziologe Bruno Latour etabliert. Ziel des Seminars ist es, einen grundlegenden Zugang zu seinem Denken zu gewinnen, um auf diesem Wege einen Zugriff auf die umweltethischen Probleme der Gegenwart zu erarbeiten. Dafür werden im ersten Teil des Seminars zentrale Passagen seines Werks mithilfe von Primär- und Sekundärliteratur erschlossen, um sie im zweiten Teil mit Perspektiven der christlichen Umweltethik in Beziehung zu setzen.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2h per week
- **Dates:** Tuesday, 2 pm – 4 pm
- **Start date:** 26.04.2022 **End date:** 26.07.2022
- **Location:** Geschw.-Scholl-Pl. 1 E - E 206
- **Work format:** Lecture
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 01078

WP 8 Environmental Law

MARIA BEKIARI

The Legal Framework of the Environmental Pollution

Environmental pollution constitutes one of the biggest and more complex challenges of modern time. Both natural sciences and humanities deal with environmental problems trying to understand their causes and develop effective solutions. In this framework, this course aims to give more light to the environmental pollution from a legal perspective. More precisely, it aims to answer to the following questions: What is the environmental pollution? What are the environmental problems that law has to address? Which are their main characteristics and particularities? What differentiates environmental problems from other types of problems? How has law addressed them? What kind of principles and instruments it has developed in order to control and reduce environmental pollution? What are the shortcomings of the current legal framework and what could be further done? A specific focus will be given to the industrial pollution. At the end of the course, students will get a thorough understanding of the environmental pollution, its aspects, and characteristics, and become familiar with the international, European and German legal framework related to it.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** June 24 & 25, and July 1 & 2, 9am – 4 pm
- **Start date:** 24.06.2022 **End date:** 02.07.2022
- **Location:** Online
- **Work format:** Lecture
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14843

WP 10 / 11 Biosciences and Anthropology A / B

PROF. DR. WOLFGANG FRANK, PROF. DR. DARIO LEISTER

Interactions of Plants and Environment (Lecture)

Plants as sessile organisms respond to adverse environmental conditions by a diversity of physiological acclimations. This lecture covers the basics in the interaction of plants with the environment and the specific responses to different kinds of stimuli and stresses. Acclimation mechanisms will be reviewed in depth to be able to teach biochemical and molecular mechanisms in more detail and to reinforce recurring mechanisms. The students will be able to integrate knowledge and deal with the complexity of plant acclimation and to apply these capabilities to more specialized courses. Interaction with the environment becomes an even more important topic in an era of climate changes. Understanding these impacts is one of the goals of this lecture.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Mondays, 10.00 am – 11.30 am
- **Start date:** 02.05.2022 **End date:** 25.07.2022
- **Location:** Großhad. Str. 2 (D) - D 00.013
- **Work format:** Lecture
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 19019

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 winter semester in Content Area 4 in order receive 6 ECTS in total.

JENS BENÖHR, KARA LENA VIRIK
Decolonial Ecology

This seminar aims to explore decolonial perspectives on the ecologies we inhabit in a damaged planet. Decolonization of knowledge begins by acknowledging and examining the historical mechanisms of knowledge production and its colonial and ethnocentric foundations.

This block seminar conducted by the *Visionary Ecologies Lab* team will be an introduction to decolonizing the field of ecology. We will examine the colonial and pre-colonial histories of ecology, the way ecology intersects with corporate power and interests of extraction, and how Eurocentric research has marginalized species, communities, traditional ecological knowledges, and pluriversal ontologies about the environment. Here, we bring together students from the fields of the arts, technology, social and natural sciences, to engage with a critical examination of the messy entanglements of ecology as a discipline within colonialism.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **SWS:** 2 SWS
- **Dates:** Wednesdays: 11.05.: 2pm - 4 pm;
15.06., 22.06., 29.06., & 06.07.: 2 pm - 5 pm
- **Start date:** 11.05.2022 **End date:** 06.07.2022
- **Location:** online
- **Registration online:** 04.04.2022 **until** 19.04.2022
- **Belegnummer:** 14844

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 winter semester in Content Area 4 in order receive 6 ECTS in total.

WP 13 Geography B

PROF. DR. MATTHIAS GARSCHAGEN
Sustainable Management of Resources (Lecture)

This module covers key themes related to Geography and Sustainability. Topics related to the use and management of resources such as resource scarcity of water and energy and their connections with questions of land use receive particular attention. This is complemented by a focus on socio-economic aspects of sustainability and the application of multi- and interdisciplinary perspectives.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **SWS:** 2 hours per week
- **Dates:** Thursday, 2 pm – 4 pm
- **Start date:** 28.04.2022 **End date:** 28.07.2022
- **Location:** Richard-Wagner-Str. 10 - D 105
- **Work format:** Lecture
- **Registration online:** 04.04.2022 **until** 04.04.2022
- **Belegnummer:** 20205