

Environmental Studies Certificate Program

Course Catalogue Summer Term 2020

Due to the COVID-19 situation, the following course selection can only be offered with reservation. Faculties are still figuring out online teaching methods and are about to decide which courses can take place. Planned seminars including field trips can only be offered if we emerge from this pandemic in time.

P 1 Environment and Society: Mandatory Module (Pflichtveranstaltung)

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 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.

Unfortunately, there will be no Lunchtime Colloquium series in the summer semester due to COVID-19. Nevertheless we will find a way to integrate the short, 20–30 minute presentations by RCC fellows. 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:** 2 – 3 hours per week
- **Dates:** Thursday, 2 pm - 4 pm
- **Start date:** 23.04.2020 **End date:** 23.07.2020
- **Location:** KHG, Leopoldstr. 11 / online
- **Work format:** Reading Course
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 14618 & 14617

Elective Modules (Wahlpflichtveranstaltungen)

Environmental History and Society

WP 2 Anthropology

SASKIA BRILL / MARTIN FONCK

Environment and Knowledge: An ethnographic exploration

In this course, we want to look at how different forms of knowledge production, -practice and -transfer shape human relations to their environments. Different forms of knowledge can be evoked by different agents with different perceptions of the environment and its purpose, may it be local or scientific; based on examination or observation; oral, written or embodied. Based on comparative case studies, we want to showcase how these different forms of knowledge meet, repel, merge or refine each other and which concepts of environment emerge from them respectively. Students of this course will be sensitized to see these different forms and to dismantle the discourses they influence, the power structures they create, the historic traces that emerge from and the future visions they create. By bringing “Environment” and “Knowledge” into dialogue, students get the opportunity to dive deep into different ways of understanding and perceiving landscapes, places and spaces and to discuss whose and which forms of knowledge come into play when talking about, understanding, experiencing or managing them. Even though this course is meant to look first and foremost through an anthropological lens, we also want to use the opportunity to integrate approaches from related disciplines including but not limited to Geography, Sociology, Science and Technology Studies, or Literature.

This seminar will take place in **six consecutive 4h online sessions on Fridays mornings from 12 June until 17 July**. The sessions are designed as modules and each of them will cover a different aspect of - or perspective on environmental knowledge. Each of the modules is based on literature which is to be read before the respective session. The texts will be examined on plenary discussions or exercises and supplemented by research insights from the two facilitators. The seminar will be concluded by individual essays from the participants in which they reflect upon a topic of their choice discussed throughout the workshop.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 6 x 4h online sessions
- **Dates:** Fridays, 12 June – 17 July 2020
- **Location:** online (ZOOM / Moodle)
- **Work format:** Seminar
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 12347

DR. WOLFGANG KAPFHAMMER / PROF. DR. EVELINE DÜRR

Lebenswelten Amazoniens. Ein interaktives Regionalseminar

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.

Aus gegebenem Anlass ist noch nicht entschieden, in welchem Format dieser Kurs stattfinden kann. Mehr Informationen folgen so schnell wie möglich.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 3 SWS
- **Dates:** Seminar: Tuesdays, 16.00 – 18.00
Practice Seminar: Tuesdays, 18.00 – 20.00 (every other week)
- **Start date:** 21.04.2020 **End date:** 21.07.2020
- **Location:** Oettingenstr. 67 – 027 / online
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 12331

WP 4 Sociology

DR. ANNA ANTONOVA

Tourist Landscapes: Environment, Society and Tourism

Tourism surrounds us and we have all been tourists. In 2018 alone, according to the UN's World Tourism Organization, international tourism generated US\$ 1.7 trillion in exports, making it the world's third largest export industry after chemicals and fuels. Tourism creates vital livelihoods for many regions and even countries, but it also has a huge impact on environments 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 travel: from globe trotters and cruise ships to wellness holidays and ecotourism. Considering case studies from around the world, we will explore a range of issues including: the changing environments, cultures, and communities supporting 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. Should we emerge from the pandemic in time for an excursion to be safe in July, we will also take a field trip to a local Bavarian tourist destination.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 15.30 – 17.00
- **Start date:** 21.04.2020 **End date:** 21.07.2020
- **Location:** Leopoldstr. 11a – 4th floor conference room (RCC) / ZOOM, Moodle
- **Work format:** Seminar
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 14678

WP 5 Internship or Practice Seminar

SARA-DUANA MEYER / DR. GESA LÜDECKE

Ideas of Wilderness in Art, Ecology, and the City

Since their beginnings, cities have been both linked and contrasted to nature. Literature and art often apply metaphors of the wild to describe urban agglomerations. However, in an era where nature is commonly understood and interpreted as 'The Other' of society, cities (and humans) continue their complicated relationship of both dependency and destruction with nature. While urban constructions around the world often destroy existing biodiversity and ecosystems, spaces of possibilities open up in various forms from ecosystemic architecture to guerilla gardening and public eco-art projects.

The seminar traces ideas of the wild across different disciplines and investigates their translation into urban space. At the intersection of urbanism, environmentalism, cultural studies, literature and art, we will explore our own perception of wilderness, discuss what Raj Patel calls the 'capitalocene' and its impact on the human-nature relationship, pay close attention to artistic experimentation as a catalyst and tool of empowerment and set out on experimental walks.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **Timeframe:** 4-day workshop (Blockseminar)
- **Dates:** 27.06./28.06. and 11.07./12.07.
Recap: 08.07. or 15.07.
- **Location:** Leopoldstr. 11a – 4th floor conference room (RCC) / online
- **Work format:** Seminar
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 14679

PROF. EM. DR. KLAUS WAHL / DR. GESA LÜDECKE

Weinbauseminar

Wissenschaft, Geschichte, Ökologie und Kultur der Traube: all das vereint sich in unserem Seminar zum Weinbau. Wir möchten die Entstehung einer Weinregion aus umwelt- und kulturhistorischer Perspektive betrachten. Dabei spielt die Erforschung der Wechselwirkung zwischen Klima und Boden und dessen Einfluss auf die Qualität der Trauben eine große Rolle. Wie hat sich der Weinbau über die Jahrhunderte verändert? Welchen ökologischen Herausforderungen sieht sich der Weinbau aufgrund des sich wandelnden Klimas gegenüber? Wie hat Weinbau die natürliche Umwelt verändert? Diese und andere Fragen stellen wir uns im Rahmen des Seminars, bei dem wir auf Exkursion in die Winzerregion Franken fahren und vor Ort mit Winzerinnen und Weinbauern sprechen. Wir lernen, was ökologisch produzierten Wein ausmacht, gehen in die Keller der Winzer und lernen von Expertinnen, wie Wein entsteht und was seine Qualität ausmacht.

Zu diesem Zeitpunkt können wir leider nicht versichern, dass dieser Kurs mit der Exkursion wie geplant stattfinden kann.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **Timeframe:** 4-day workshop (Blockseminar)

- **Dates:** 23.05 Seminar (9.00 – 16.00)
26.06. – 27.06. Study trip to Würzburg
08.07. Recap and paper preparation
- **Location:** Leopoldstr. 11a (RCC) – 4th floor conference room
- **Work format:** Seminar and study trip
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 14680

CHRISTA SYRER / DR. GESA LÜDECKE

Natur und Ideal: Der Landschaftsgarten im 18. Jahrhundert - Einführung in die Geschichte der europäischen Gartenkunst

In diesem Seminar beschäftigen wir uns mit der Frage, wie z. B. politische und philosophische Vorstellungen einer idealen Natur die Gestaltung von Gärten prägten. Im 18. Jh. wurde die "natürliche" Gestaltung von Gärten, die eigentlich sehr künstlich war, u. a. als Ausdruck eines naturnahen Menschenbildes oder als Verkörperung liberaler Werte gedeutet. Die Studierenden sollen zum einen die Fachbegriffe zur Gartenkunst und zum anderen die gestalterischen Mittel erkennen lernen und diese "Naturbilder" an Beispielen analysieren. Geplant ist, dass einige Sitzungen vor Ort stattfinden, d. h. im Englischen Garten und im Nymphenburger Park.

In welcher Form dieses Seminar stattfinden kann, wird sich erst in den kommenden Wochen zeigen.

- **Language:** German
- **ECTS:** 6 ECTS
- **Timeframe:** 3 SWS
- **Dates:** Wednesdays, 12 pm – 3 pm
- **Start date:** 22.04.2020 **End date:** 22.07.2020
- **Location:** Zentnerstr. 31 – 004 / online
- **Work format:** Seminar
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 09409

Environmental Politics and Ethics

WP 7 Environmental Ethics and Politics

DR. ALEXANDER SCHULAN

Introduction to Future Ethics

Future Ethics considers questions concerning the temporal dimension of our lives and its moral implications for taking care of future generations and the environment. Future Ethics discusses issues like poverty, intergenerational pension systems and a fair distribution of the costs and benefits of climate change. One characteristic of Future Ethics is that the effects of our decisions on future generations are uncertain. Another characteristic is that our decisions will influence how many persons will come into existence in the future. Examples of questions in Future Ethics are:

- What do we owe to future generations?
- Do we have any moral obligations to future generations, and if yes, which obligations?
- Is the world better with less persons enjoying a prosperous well-being or with more persons having barely what is necessary to subsist?
- What will be the conception for a good life of future generations which are not born yet?

- How can democratic institutions today take the rights and interests of future generations into account?

The questions above illustrate that intergenerational justice is an important part of Future Ethics. Trying to find answers for these questions is especially important with regard to the destruction of the environment, climate change and sustainability.

- **Language:** English
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Mondays, 14.00 – 16.00
- **Start date:** 20.04.2020 **End date:** 20.07.2020
- **Location:** Leopoldstr. 11a – 4th floor conference room (RCC) / online
- **Work format:** Seminar
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 14681

PROF. DR. MARKUS VOGT

Nachhaltigkeit als sozialetisches Prinzip

Mit den 2015 von den Vereinten Nationen beschlossenen „Sustainable Development Goals“ (SDGs) und den ehrgeizigen Klimaschutzzielen von Paris (Dezember 2015) wurde Nachhaltigkeit als verbindliche Grundlage für einen neuen globalen Gesellschaftsvertrag anerkannt. Zugleich zeigt sich, dass Politik, Wirtschaft und Gesellschaft mit der dafür nötigen „Großen Transformation“ radikal überfordert sind. So brechen Grundsatzdebatten über globale und intergenerationelle Gerechtigkeit sowie den Stellenwert kosmopolitischer Ideale angesichts verschärfter Verteilungskämpfe auf. Die Suche nach neuen Orientierungen stellt die Problemlösungskompetenzen und Werte demokratischer Gesellschaften vor eine harte Bewährungsprobe. 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 „Ökotheologie“; 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.

Nähere Informationen zum Format der Vorlesung und eventuelle online Termine folgen so schnell wie möglich.

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Wednesdays, 10.00 – 12.00
- **Start date:** 22.04.2020 **End date:** 22.07.2020
- **Location:** Geschw.-Scholl-Pl. 1 (B) - B 006 / online
- **Work format:** Lecture
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 01054

WP 10 / 11 Biosciences and Anthropology A / B

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

Interactions of Plants and Environment

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
- **Timeframe:** 2 SWS
- **Dates:** Mondays, 10.00 – 11.30
- **Start date:** 27.04.2020 **End date:** 20.07.2020
- **Location:** Großhad. Str. 2 (B) - B 01.015 / online
- **Work format:** Lecture
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 19022

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

Please register for this course, not via LSF, but with envstudies@rcc.lmu.de. The format of this course is currently being discussed. Please check LSF regularly for updates.

PROF. DR. ULRICH SCHUMANN

Aviation and Climate

By the example of aviation we will look at the composition of the atmosphere, its climate and how it is influenced by emissions from anthropogenic sources.

Topics:

1. Introduction and overview
 2. Global air traffic and its emissions into the atmosphere
 3. Trace species in the atmosphere
 4. Nitrogen oxides and ozone
 5. Water vapor, contrails and contrail-induced cloud changes
 6. Aerosols and aerosol-induced cloud and ozone changes
 7. Aviation induced climate change, environmentally compatible air transport system, and research topics
- Ends with a test ("Klausur")

The lecture provides insights in applied climate sciences and recent research in physics and chemistry regarding the atmosphere.

- **Language:** English
- **ECTS:** 3 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Tuesdays, 15.30 – 17.00
- **Start date:** 28.04.2020 **End date:** 21.07.2020
- **Location:** Theresienstr. 39 - B 101 / online
- **Work format:** Lecture
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 17181

This lecture is offered with reservation as the faculty is currently unsure if the course can take place as of the COVID-19 situation.

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

PROF. DR. GISELA GRUPE
Historische Umweltforschung

Thema der Vorlesung ist die anthropogene Landschafts- und Umweltgestaltung im Holozän und die Langzeitwirkung dieser Eingriffe durch vorindustrielle Bevölkerungen. Natur- und kulturwissenschaftliche Erkenntnisse werden in integrativer Weise vorgestellt und die Landschafts- und Umweltentwicklung Europas sowie ausgewählter weiterer Standorte mit Implikationen für zukünftige Generationen nachvollzogen. Die Studierenden erfahren den historischen Hintergrund aktueller Umweltprobleme basierend auf der Nachhaltigkeit vorindustrieller Umwelteingriffe (Bodenexhaustion, Treibhauseffekt, Schwermetallbelastung...) einschließlich der inhaltlichen Ausfüllung von Begriffen wie Nachhaltigkeit und Langzeitrisiko.

- **Language:** German
- **ECTS:** 3 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Mondays, 08.15 – 09.45
- **Start date:** 20.04.2020 **End date:** 03.08.2020
- **Location:** Großhad. Str. (Building&Room numbers differ! Please check LSF)
- **Work format:** Lecture
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 19084

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

Please register for this course, not via LSF, but with envstudies@rcc.lmu.de. The format of this course is currently being discussed. Please check LSF regularly for updates.

WP 9 / WP 13 Geography A / B

PROF. DR. MATTHIAS GARSCHAGEN
Sustainable Management of Resources

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.

Further information on the course of the lecture will be published on the [department's website](#).

- **Language:** German
- **ECTS:** 6 ECTS Points
- **Timeframe:** 2 SWS
- **Dates:** Thursday, 14.00 – 16:00
- **Start date:** 20.04.2020 **End date:** 03.08.2020
- **Location:** Richard-Wagner-Str. 10 - D 118 / online
- **Work format:** Lecture
- **Registration online:** 30.03.2020 until 14.04.2020
- **Belegnummer:** 20138

Please register for this course, not via LSF, but with envstudies@rcc.lmu.de