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175. Curriculum for the Joint (PLUS/BU and PLUS/ULB) and Multiple (SU) Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy (TRACEE)

Curriculum 2025 updated version

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In its session on 11 March 2025, the Academic Senate of the Paris Lodron University of Salzburg enacted the curriculum for the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy, formally approved by the curriculum commission Transdisciplinary Studies of Climate, Environment and Energy of the Paris Lodron University of Salzburg on 10 March 2025 in the following version. In its session on 13 May 2025, the Academic Senate has amended Art 1(3) of the curriculum to include an abbreviation of the academic title to be awarded upon the completion of the Master's Programme, following the formal approval of the curriculum commission on 6 May 2025.

The curriculum forms part of the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy offered by the CIVIS Alliance (Aix-Marseille Université (AMU), National and Kapodistrian University of Athens (NKUA), University of Bucharest (UB), Université Libre de Bruxelles (ULB), Universidad Autónoma de Madrid (UAM), Sapienza Università di Roma (SUR), Stockholm University (SU), Eberhard Karls Universität Tübingen (UT), University of Glasgow (UG), Paris Lodron University of Salzburg (PLUS) and University of Lausanne (UNIL). The alliance also includes the following 6 African partners: Makerere University, Eduardo Mondlane University, Université Hassan II de Casablanca, University of Sfax, Université Cheikh Anta Diop de Dakar, and University of the Witwatersrand. The details of implementation are regulated in an interinstitutional consortium agreement concluded between the participating institutions.

The Paris Lodron University of Salzburg participates in the teaching of the first semester module at SU (Climate, Environment and Energy – A Transdisciplinary Perspective), in Study Track 1 (Environmental Humanities and Law) and in Study Track 8 (Transdisciplinary Approaches to Climate Change).

The legal basis for the curriculum is the Federal Act on the Organization of Universities and their Studies (Universities Act 2002 – UG), Federal Law Gazette I No. 120/2002, as well as the section of the Statutes of the University of Salzburg pertaining to university studies in the applicable version.

§ 1 General provisions

(1) The total number of ECTS credit points necessary to complete a degree in the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy is 120. This corresponds to four semesters of study.

(2) The language of instruction is English. If available, courses with equivalent content may be taken in languages other than English.

(3) Graduates of the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy will be awarded the academic title **"Master in Transdisciplinary Studies of Climate, Environment and Energy"**, abbreviated "MTrS". The Paris Lodron University of Salzburg jointly awards the Master's degree with the University of Bucharest for Study Track 1 "Environmental Humanities and Law", and with the Université Libre de Bruxelles for Study Track 8 "Transdisciplinary Approaches to Climate Change". The University of Stockholm awards a Multiple Degree for both Study Tracks and the title "Master of Science in Transdisciplinary Studies of Climate, Environment and Energy".

(4) The precondition for the admission to the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy is the completion of a bachelor's degree programme or another degree programme of at least the same higher educational level at a recognized domestic or foreign post-secondary institute of education (cf. § 64 para.3 UG). The Master's Programme is aimed at graduates of all disciplines. Subject-specific training is not required.

(5) Each academic achievement to be fulfilled by students has been assigned ECTS credit points. One ECTS credit point equals 25 hours of study, which corresponds to the average number of hours required to achieve the expected learning objectives. An academic year consists of 1500 full hours corresponding to 60 ECTS credit points.

(6) Students with disabilities and/or chronic illnesses must not be subject to any form of discrimination in their studies. The basic principles laid out in the UN Convention on the Rights of Persons with Disabilities, the Austrian Federal Equal Treatment Act as well as the principles of compensation of disadvantage apply.

§ 2 Subject of the degree programme and qualification profile

(1) Subject of the degree programme

(a) The Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy (TRACEE) aims to equip students with transdisciplinary expertise to address the complex challenges of our time, focusing on climate, environment and energy. It features an integrated curriculum co-created by scholars from CIVIS partner universities that promote diverse academic perspectives across Europe and Africa. The vision of this programme is that students with a solid disciplinary background in any discipline at bachelor level or equivalent become transdisciplinary graduates capable of addressing the world's most pressing challenges of the Anthropocene — climate change, energy transition and environmental crises.

(b) The Master's Programme will offer nine Study Tracks, from which students must select one at the time of application for the Master's Programme. The Study Tracks are:

- Study Track 1: Environmental Humanities and Law
- Study Track 2: Environmental Social Sciences
- Study Track 3: Energy and Matter
- Study Track 4: Environmental Chemistry and Toxicology
- Study Track 5: Environmental Geoscience
- Study Track 6: Climate Change Science
- Study Track 7: Environmental Risks and Mitigation
- Study Track 8: Transdisciplinary Approaches to Climate Change
- Study Track 9: Global Change Biology

(c) Study Track 1 (Environmental Humanities and Law) and Study Track 8 (Transdisciplinary Approaches to Climate Change) include a semester at the Paris Lodron University of Salzburg. They are described in detail in § 3 Structure of the Programme and Annexes 2 and 3.

(2) Professional skills and competences (learning outcomes)

Upon completion of this Master's Programme, graduates will have acquired the following knowledge, skills and competences:

Knowledge:

- knowledge and understanding in transdisciplinary environmental science, including both broad knowledge of the field and a considerable degree of specialised and transversal knowledge applied in the fields of climate, environment and energy and its transdisciplinary applications applied within each study track,
- insight into current research and research frontiers within the specialized field of the study track and its transdisciplinary applications,
- methodological knowledge from the humanities, law, social and natural sciences applied to, and relevant for transdisciplinary environmental science,
- knowledge to use systems thinking as a framework for analysing climate, environment and energy issues from perspectives of natural sciences, social sciences, law, and humanities, and transdisciplinary science.

Skills:

- skills required to participate in research and development work, or to work independently in other professional areas.
- skills to make assessments in transdisciplinary environmental science informed by relevant *interdisciplinary,* societal and ethical issues and to demonstrate awareness of ethical aspects of research and development work.
- skills to assess the possibilities and limitations of research, its role in society and the responsibility of individuals for how it is used.
- skills to identify the personal need for further knowledge and to take responsibility for his/her/their ongoing learning.

Competences:

- ability to critically and systematically integrate knowledge, analysis, and deal with complex phenomena, issues and situations from perspectives in the natural and social sciences, humanities, and law, as well as demonstrate an ability to do this even with limited information available.
- ability to critically, independently, and creatively identify and formulate questions, plan and carry out qualified tasks within given time frames using appropriately chosen methods, and contribute to the development of knowledge and evaluation of one's own work.
- ability to clearly communicate and discuss, both orally and in writing, conclusions and the knowledge and arguments underlying them in dialogue with various national and international groups with different backgrounds.

(3) Importance and relevance of the degree for the scientific community, society, and the labour market

(a) This programme is intended for students who are seeking a career working at a local, regional, national, European, or global level on the ongoing societal transformation (e.g., as expressed by the European Green Deal), or working in transdisciplinary research focusing on climate, environment and/or energy.
(b) Graduates of the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy have a unique academic profile, which allows them to pursue careers inter alia as:

- Policy advisors at local, regional, or state governments,
- Policy advisors in international organizations or in the diplomatic service,
- Sustainability managers in and consultants to companies, advising companies on implementing sustainability strategies,
- Political advisors in NGOs aiming to implement climate, environmental and renewable energy policies,
- Academics trained in transdisciplinary research on climate, environment and energy transition,
- Employment in the field of civil and political education in the field of climate, environment and energy,
- Employment in the cultural sector regarding climate, environment and energy,
- Science communicators in the fields of climate, environment and energy.

§ 3 Structure of the programme

(1) The Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy comprises three modules with a total number of 90 ECTS credit points. The first module is the obligatory first semester (30 ECTS credit points) followed by one of 9 elective Study Tracks consisting of two modules (each 30 ECTS credit points). The Master's thesis is worth 27 ECTS credit points, the Master's examination 3 ECTS credit points.
(2) The following table shows the structure of the Study Track 1 "Environmental Humanities and Law":

	ECTS
Module 1: Climate, Environment and Energy: A Transdisciplinary Perspective (SU)	30
Module 2: Environmental Humanities and Law (PLUS)	30
Module 3: Environmental Humanities and Law (UB)	30
Master's thesis (SU/PLUS/UB)	27
Master's examination	3
Total sum	**120**

Participating students in the Study Track 1 "Environmental Humanities and Law" will complete semester 2 at the Paris Lodron University of Salzburg and semester 3 at the University of Bucharest and will decide for semester 4 for one of the previous three universities (Stockholm, Salzburg or Bucharest).
(3) The following table shows the structure of the Study Track 8 "Transdisciplinary Approaches to Climate Change":

	ECTS
Module 1: Climate, Environment and Energy: A Transdisciplinary Perspective (SU)	30
Module 2: Transdisciplinary Approaches to Climate Change (PLUS)	30
Module 3: Transdisciplinary Approaches to Climate Change (ULB)	30
Master's thesis semester (ULB)	30
Total sum	**120**

Participating students of Study Track 8 "Transdisciplinary Approaches to Climate Change" will continue after Stockholm University and the University of Salzburg to the Université Libre de Bruxelles for semesters 3 and 4. The Master's thesis will be written at the Université Libre de Bruxelles.

§ 4 Types of courses

(1) The programme offers different types of courses, which are defined by the rules of the different CIVIS partner universities participating in the Study Tracks.
(2) At the Paris Lodron University of Salzburg, the programme comprises the following types of courses:
Lecture courses (VO) provide an overview of a subject or one of its sections and its theoretical approaches and present different doctrines and methods. Contents are primarily presented in the style of a speech. A lecture course is not continuously assessed, attendance is not compulsory.
Tutorial and lecture courses (UV) combine a theoretical introduction to a specific topic with practical skills, whereby the character of the course is predominantly practical. A tutorial and lecture course is a continuous assessment course, attendance is compulsory.

Tutorial courses (UE) aim to help students acquire, practice and perfect practical skills and knowledge of the subject or one of its topics. A tutorial course is a continuous assessment course, attendance is compulsory.
Field trip courses (EX) are intended to promote and exemplify specialised knowledge beyond the classroom. A field trip course is a continuous assessment course, attendance is compulsory.
Introductory seminar courses (PS) are research-oriented courses constituting the pre-stage to seminars. Students actively participate in practical and theoretical work to acquire basic knowledge and skills in academic research. An introductory seminar course is a continuous assessment course, attendance is compulsory.
Colloquium courses (KO) serve as a forum for academic discussion, debate and collaboration, the consolidation of specialist knowledge and the specialised supervision of theses, dissertations, and research. A colloquium is a continuous assessment course, attendance is compulsory.
Seminar courses (SE) are advanced academic courses to acquire more in-depth knowledge, to discuss and reflect academic issues through active participation on the part of the students. A seminar course is a continuous assessment course, attendance is compulsory.

§ 5 Programme content and schedule of study

(1) First semester: The programme begins with an obligatory module (Climate, Environment and Energy – A transdisciplinary perspective, 30 ECTS credit points). The module will be hosted by the Department of Environmental Science at Stockholm University. It is co-created and co-taught by educators from across the CIVIS consortium in Europe and Africa. This module consists of five parts. The first part (system thinking) uses the concept of systems to set the stage for interdisciplinary learning. The second, third and fourth parts examine climate, environment and energy from natural science, social science and humanities perspectives. The fifth part (creating knowledge through transdisciplinary methods) introduces transdisciplinary learning.

(2) In the second and third semester, students pursue their chosen Study Tracks (60 ECTS credit points of course work). The modules of the Study Tracks are taking place at different universities of the CIVIS consortium. The assignment to semesters is mandatory. It ensures that the sequence of courses is optimal, based on knowledge previously obtained. The Paris Lodron University of Salzburg is involved in Study Track 1 (Environmental Humanities and Law) and in Study Track 8 (Transdisciplinary Approaches to Climate Change).

(3) The fourth semester is devoted to writing and defending a transdisciplinary thesis. The details are described in § 6.

(4) The following contains a list of modules and courses of the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy. Detailed descriptions of the modules including the knowledge, methods, and skills to be imparted can be found in Annexes 1, 2, and 3.

Transdisciplinary Studies of Climate, Environment and Energy (TRACEE)								
Module	**Course**	**Hours**	**Type**	**ECTS**	**Semester with ECTS**			
					I	**II**	**III**	**IV**
(1) Obligatory First Semester								
Module 1 - Climate, Environment and Energy: A Transdisciplinary Perspective (at SU) *[course details subject to Stockholm University (SU)]*								
Systems Thinking		-	-	3	3			
Climate, Environment and Energy – A Natural Science Perspective		-	-	9	9			
Climate, Environment and Energy – A Social Science Perspective		-	-	9	9			
Climate, Environment and Energy – A Humanities Perspective		-	-	6	6			
Creating Knowledge Through Transdisciplinary Methods		-	-	3	3			
Subtotal Module 1				30	30			
(2) Elective Modules according to Study Track								
Study Track 1 - Environmental Humanities and Law (at PLUS/UB)								
Module 2/1 - Environmental Humanities and Law (PLUS semester)								
Philosophy of Climate Change		2	VO	3		3		
Psychology of Climate Change		2	VO	3		3		
Introduction into Environmental and Climate History		2	VO	3		3		
Thinking the Planetary Predicament: Critical Perspectives from the Humanities		2	KO	4		4		
Urban Ecology		2	SE	3		3		
Politics of Climate Change		2	SE	6		6		
Climate Law and Litigation		2	UV	4		4		
Environmental, Social and Governance Investments and Legal Framework		2	UV	4		4		
Subtotal Modul 2/1		16		30		30		

Module 3/1 - Environmental Humanities and Law (UB semester) *[course details subject to University of Bucharest (UB)]*							
Philosophical Challenges of Climate Change	-	-	5			5	
The Ethics of Sustainable Governance	-	-	4			4	
Social Ecology	-	-	4			4	
Ecoarchaeology and Climate Resilience	-	-	4			4	
Human Evolution and Adaptive Strategies	-	-	4			4	
Sustainability of Human Capital in a World in Demographic Contraction	-	-	4			4	
Critical Thinking for Sustainable Development	-	-	5			5	
Subtotal Modul 3/1			30			30	
Study Track 8 - Transdisciplinary Approaches to Climate Change (at PLUS/ULB)							
Module 2/8 - Transdisciplinary Approaches to Climate Change (PLUS semester)							
Introduction into Environmental and Climate History	2	VO	3		3		
Climate Law and Litigation	2	UV	4		4		
Natural Hazards and Risk Management	2	VO	3		3		
Hazards and Risk in an Alpine Setting	2	EX	2		2		
Natural Hazards Management – Hands on	2	UE	3		3		
Applied Data Analysis in Climate & Environmental Sciences	2	UE	3		3		
Risks and Tipping Points in the Earth System	2	PS	6		6		
Environment and Society in the Anthropocene	2	PS	6		6		
Subtotal Modul 2/8	16		30		30		

Module 3/8 Transdisciplinary Approaches to Climate Change (ULB semester) *[course details subject to Université Libre de Bruxelles (ULB)]*							
Action for Change	-	-	5			5	
Law & Economics of the Environment	-	-	5			5	
Interdisciplinary Project	-	-	5			5	
Elective courses (3 courses from the list): -Socio-Environmental Dynamics (5 ECTS credit points) -Environmental Impact Analysis and Management (5 ECTS credit points) -Circular Economy (5 ECTS credit points) -Social-Ecological Systems (5 ECTS credit points) -The Life of Environmental Numbers (5 ECTS credit points)	-	-	15			15	
Subtotal Module 3/8			30			30	
Subtotal Modules 1-3			90	30	30	30	
(3) Master's Thesis (PLUS)							27
(4) Master's Examination (PLUS)							3
Sum Total			**120**	**60**		**60**	

§ 6 Master's thesis

(1) Each Study Track includes an obligatory independent Master's thesis at one of the CIVIS partner universities participating in the Study Track chosen by the student. The Master's thesis serves to demonstrate that the students have acquired the capability to independently perform academic research in the field of transdisciplinary studies of climate, environment and energy according to current academic research methods and standards.

(2) During the course of the second semester, students will be asked to indicate at what CIVIS partner university they wish to carry out the thesis. The TRACEE Consortium Board will be responsible for allocating partner universities for the students' thesis work. During the course of the third semester, students will be asked to submit a proposal for a thesis project. The CIVIS partner university where the student will carry out the thesis project is responsible for supporting the student in finding a suitable thesis project. The TRACEE Transdisciplinary Stream and Thesis Committee will decide on students' project proposals for the thesis, with particular consideration to the transdisciplinary aspects.

(3) The topic of the Master's thesis should be chosen in such a way that it is reasonable and appropriate to complete the thesis within six months (cf. § 81 para. 2 UG).

(4) The topic of the Master's thesis must be taken from one of the modules in the Master's Programme and should reflect the learning undertaken in the modules of the chosen Study Track. The student is entitled to suggest a topic or to choose the topic from a number of topics proposed by the available thesis advisors.

(5) Thesis supervision is ensured by the CIVIS partner university where the student is participating for the 4th semester of the chosen Study Track. A co-supervision can be provided by another university participating in the chosen Study Track, by specific arrangement between the respective partner universities.

(6) The Master's thesis, if carried out at the Paris Lodron University of Salzburg, is worth 27 ECTS credit points, and requires a thesis defense as part of the Master's examination, which is worth 3 ECTS credit points. Details are specified in § 11.

(7) It is to be noted that both the student's work on the topic and advisor's work with the student are governed by Austrian copyright law, Federal Law Gazette No. 111/1936 (cf. § 80 para. 2 UG) and the Consortium Agreement.

(8) For cases of alleged academic misconduct, including plagiarism and the unauthorized use of artificial intelligence, relating to the thesis prepared at the Paris Lodron University of Salzburg, the rules and procedures of the University will apply.

§ 7 Transdisciplinary stream

(1) A supportive optional transdisciplinary stream will be offered that runs through the entire programme. The stream will be offered on site during the first semester in Stockholm, and thereafter online. The stream will engage the students in learning about definitions of transdisciplinarity and transdisciplinary methods and offer support and checkpoints for their development of independent projects.
(2) The main purpose of the transdisciplinary stream will be to enhance the students' knowledge, understanding and skills required to undertake a transdisciplinary thesis in semester 4. Secondary aims include maintaining connection and support networks within the student cohort and providing an overall coherence to the Master's Programme.
(3) The stream will consist of remote monthly meetings, each lasting 1.5 hours. These sessions will include a combination of guest lectures, discussion panels, networking sessions and student presentations. Guest speakers will be invited from a range of fields and sectors, with the aim being to demonstrate the importance of transdisciplinary thinking in different environments.
(4) The sessions will evolve throughout the programme, with a slightly different focus in each semester. In the first semester, concepts will be introduced, and students exposed to a range of ideas from guest speakers. During the second and third semesters, students will begin to select topics for their thesis projects and the sessions will focus more strongly on helping them to develop their own ideas, forge connections with useful contacts, and establish how they can demonstrate transdisciplinarity in their own project. In the final semester, sessions will be almost entirely student-led, allowing them the opportunity to support one another while carrying out their projects.

§ 8 International mobility

(1) Students of the Master's Programme must undertake their studies at the three CIVIS partner universities of their selected Study Track. The obligatory first semester takes place at Stockholm University. The second and third semester takes place at the universities offering the Study Track chosen by the student. The fourth semester takes place at the universities provided for by the chosen Study Track. Mobility pathways for Study Track 1 "Environmental Humanities and Law" and Study Track 8 "Transdisciplinary Approaches to Climate Change" involving the Paris Lodron University of Salzburg are described in § 3 "Structure of the programme".

(2) Each applicant must specify the selected Study Track, as defined in § 2 when applying for the Master's Programme. The recognition of courses and other academic achievements in the Master's Programme completed according to Study Tracks 1 and 8 is granted in accordance with this curriculum and regulations agreed upon in the Consortium Agreement.

(3) Students must earn at least 30 ECTS credit points in each semester at the respective CIVIS partner university.

(4) Students with disabilities and/or chronic illnesses will be assisted in organizing their international mobility by the relevant support units of the respective CIVIS partner university.

§ 9 Allocation of study places in courses with a limited number of participants

(1) For the admission to and priorities in all individual courses offered within the Study Tracks 1 and 8, the admission regulations of the CIVIS partner universities hosting the courses are applied.

(2) For the following types of course the number of participants in the Master's Programme in Transdisciplinary Studies of Climate, Environment and Energy at the Paris Lodron University of Salzburg is limited as follows:

Lecture courses (VO)	No limit
Tutorial and lecture courses (UV)	40
Tutorial courses (UE)	25
Field trip courses (EX)	25
Introductory seminar courses (PS)	25
Colloquium courses (KO)	25
Seminar courses (SE)	25

(3) If the maximum number of participants is exceeded by the number of enrolments for courses with a limited number of participants, those students for whom this course is part of their curriculum will be given priority.

(4) Study places will be allocated in the order specified in the Statutes of the University of Salzburg.

(5) For students participating in international exchange programmes, additional study places constituting at least ten percent of the maximum number of participants on each course will be available. These study places will be allocated by lot.

§ 10 Examination regulations

(1) The students' academic performance is assessed according to the examination and assessment methods, criteria, and regulations of the university responsible for the course or part of the programme that is being assessed.
(2) The grades received during the programme follow the local regulations at the university where the course is given. A comparison table is used for degree honours at some universities (see Annex 4).
(3) For cases of alleged academic misconduct, including plagiarism and the unauthorized use of artificial intelligence, relating to a course delivered at the Paris Lodron University of Salzburg, the rules and procedures of the University will apply.

§ 11 Master's examination before an examining committee

(1) The Master's Programme in Transdisciplinary Studies in Climate, Environment and Energy is concluded with a Master's examination before an examining committee worth 3 ECTS credit points.
(2) Taking the Master's examination before an examining committee requires proof of successful completion of all prescribed examinations, and positive assessment of the Master's thesis.
(3) The Master's examination before an examining committee consists of a presentation of the Master's thesis by the person taking the examination (not longer than 20 minutes), and questions on the topic of the Master's thesis by the members of the examining committee.

§ 12 Effective date

The curriculum enters into force on 1 October 2025.

Annex 1: Obligatory First Semester Module "Climate, Environment and Energy: A Transdisciplinary Perspective" (delivered by SU)

Module name	**Climate, Environment and Energy: A Transdisciplinary Perspective (SU semester)**
Module code	CEE
Total workload	30 ECTS credit points
Learning outcomes	After completing the module, students will be able to: • reason about system thinking and its history, key system concepts, as well as types of systems and their characteristics, • explain energy and matter and their transfer within Earth's systems, as well as the solutions available for future energy supply, • describe global biogeochemical cycles, ecosystem services, and biodiversity, as well as the risks they face due to global environmental changes, • describe climate systems, drivers, and feedback, as well as Earth's past, present, and future climate, • explain past, present, and future economy, politics, and policies related to energy systems, environment and climate change, • explain the international, European, and national legal frameworks for climate, environmental, and energy policies, as well as their transition, • explain knowledge, behavior, and actions in relation to climate change, as well as the role of communication and education in addressing environmental and climate challenges, • reason about historical, literary, aesthetic, and philosophical aspects of environmental thinking and addressing concerns about climate and the environment, • analyze sociocultural paradigms and rhetorical strategies in climate and environmental communication, • explain methods for involving society in various cultural contexts for knowledge generation, as well as case studies of transdisciplinary investigations.
Module content	This module consists of five parts. The first part (system thinking) uses the concept of systems to set the stage for **interdisciplinary** learning. The second, third and fourth parts examine climate, environment and energy from natural science, social science and humanities perspectives. The fifth part (creating knowledge through transdisciplinary methods) introduces **transdisciplinary** learning.
Courses	• **Systems Thinking (3 ECTS credit points)** • **Climate, Environment and Energy – A Natural Science Perspective (9 credit points)** • **Climate, Environment and Energy – A Social Science Perspective (9 ECTS credit points)** • **Climate, Environment and Energy – A Humanities Perspective (6 ECTS credit points)**

	• **Creating Knowledge Through Transdisciplinary Methods (3 ECTS credit points)**
Type of exam	The students' academic performance is assessed according to the examination and assessment methods, criteria, and regulations of SU.

Annex 2: Study Track 1 "Environmental Humanities and Law" (delivered by PLUS and UB)

Module name	**Environmental Humanities and Law (PLUS semester)**
Module code	EHLPLUS
Total workload	30 ECTS credit points
Learning outcomes	After completing the module, students will be able to: • identify what disciplines are relevant for solving a specific problem related to climate, environment and energy, • understand the basics of the disciplines involved and their methods use, with a focus on philosophy, psychology, history, linguistics, urban ecology, political sciences, and law, • read and discuss papers from disciplines other than their own, • discuss solutions to climate change with scholars from philosophy, psychology, history, linguistics, urban ecologists, political scientists, and legal scholars, • develop, adopt, and implement solutions to the problems posed by climate change, energy transition, and environmental issues informed by the humanities and law backgrounds acquired in this module, • assess the impacts of solutions on societies and law from an environmental and humanities background.
Module content	The Study Track "Environmental Humanities and Law" provides students with in-depth knowledge of the disciplines involved in the development of profound and lasting solutions to climate change. Based on the transdisciplinary knowledge of climate, environment and energy obtained in the first semester, students will be introduced to the disciplines of philosophy, psychology, history, linguistics, urban ecology, political sciences, and law that inform the development, adoption, and implementation of solutions to the problems posed by climate change, energy transition, and environmental issues.
Courses	• **VO Philosophy of Climate Change (3 ECTS credit points)** • **VO Psychology of Climate Change (3 ECTS credit points)** • **VO Introduction into Environmental and Climate History (3 ECTS credit points)** • **KO Thinking the Planetary Predicament: Critical Perspectives from the Humanities (4 ECTS credit points)** • **SE Urban Ecology (3 ECTS credit points)** • **SE Politics of Climate Change (6 ECTS credit points)** • **UV Climate Law and Litigation (4 ECTS credit points)** • **UV Environmental, Social and Governance Investments and Legal Framework (4 ECTS credit points)**
Type of assessment	Course-oriented examination: The achievement of teaching and learning objectives is assessed for each course separately by written and/or oral components.

Module name	**Environmental Humanities and Law (UB semester)**
Module code	EHLUB
Total workload	30 ECTS credit points
Learning outcomes	After completing the module, students will be able to: • understand the basics of the disciplines involved and their methods use, with a focus on ethics, social ecology, ecoarcheology, human evolution, and sustainable development, • read and discuss papers from disciplines other than their own, • discuss solutions to climate change with scholars from ethics, social ecology, ecoarcheology, human evolution, and sustainable development, • develop, adopt, and implement advanced solutions to the problems posed by climate change, energy transition, and environmental issues informed by the knowledge obtained in the PLUS module and the ethics, social ecology, ecoarcheology, human evolution and sustainable development backgrounds acquired in this module, • assess the impacts of solutions on societies and law from an ethics, social ecology, ecoarcheology, human evolution and sustainable development background.
Module content	The Study Track “Environmental Humanities and Law” provides students with in-depth knowledge of the disciplines involved in the development, adoption, and implementation of profound and lasting solutions to climate change, energy transition, and environmental problems. Based on the transdisciplinary knowledge of climate, environment and energy obtained in the first semester and a general introduction to different disciplines of the environmental humanities and law in the second semester (PLUS semester), this module complements the PLUS module by offering a specialization in the disciplines of philosophy, ethics, social ecology, ecoarcheology, human evolution, and sustainable development.
Courses	• **Philosophical Challenges of Climate Change (5 ECTS credit points)** • **The Ethics of Sustainable Governance (4 ECTS credit points)** • **Social Ecology (4 ECTS credit points)** • **Ecoarchaeology and Climate Resilience (4 ECTS credit points)** • **Human Evolution and Adaptive Strategies (4 ECTS credit points)** • **Sustainability of Human Capital in a World in Demographic Contraction (4 ECTS credit points)** • **Critical Thinking for Sustainable Development (5 ECTS credit points)**
Type of assessment	The students’ academic performance is assessed according to the examination and assessment methods, criteria, and regulations of UB.

Annex 3: Study Track 8 "Transdisciplinary Approaches to Climate Change" (delivered by PLUS and ULB)

Module name	**Transdisciplinary Approaches to Climate Change (PLUS semester)**
Modul code	TACCPLUS
Total workload	30 ECTS credit points
Learning outcomes	After completing the module, students will be able to: • understand the climate system and the framework of theories used to characterise climate change, • engage with the role of people in changing the Earth system and the concept of the Anthropocene, • comprehend how global changes like climate warming can generate very specific local consequences, • understand how natural hazards and risks are identified in mountain environments, are managed and can be communicated with society, • understand how climate change can be quantified on a local scale, relevant for creating solutions for specific problems, • interact with stakeholders to develop tailored solutions to climate warming issues.
Module content	The Study Track 'Transdisciplinary Approaches to Climate Change' provides students with in-depth understanding of underlying scientific issues as well as societal needs to develop climate warming solutions. Based on the transdisciplinary knowledge on climate, environment and energy obtained in the first semester, students will be introduced to various disciplines that inform the development, adoption and implementation of solutions to the problems posed by climate change, energy transition and environmental issues.
Courses	• **VO Introduction into Environmental and Climate History (3 ECTS credit points)** • **UV Climate Law and Litigation (4 ECTS credit points)** • **VO Natural Hazards and Risk Management (3 ECTS credit points)** • **EX Hazards and Risk in an Alpine Setting (2 ECTS credit points)** • **UE Natural Hazards Management – Hands on (3 ECTS credit points)** • **UE Applied Data Analysis in Climate & Environmental Sciences (3 ECTS credit points)** • **PS Risks and Tipping Points in the Earth System (6 ECTS credit points)** • **PS Environment and Society in the Anthropocene (6 ECTS credit points)**
Type of assessment	Course-oriented examination: The achievement of teaching and learning objectives is assessed for each course separately by written and/or oral components.

Module name	**Transdisciplinary Approaches to Climate Change (ULB semester)**
Modul code	TACCULB
Total workload	30 ECTS credit points
Learning outcomes	After completing the module, students will be able to: • understand the role of law and economy in the management of climate change adaptation, • engage with the role of people in changing ecological and environmental system, • comprehend how dynamics of societies and environments interact in a changing world, • understand how circular economic systems functions and what benefits circular economy brings to society, • understand how socio-ecological systems can be quantified on a local scale, relevant for creating solutions for specific problems, • adopt an interdisciplinary perspective to applied challenges to society in the context of climate and environmental change and master an interactive development of solutions and adaptation strategies.
Module content	The Study Track 'Transdisciplinary Approaches to Climate Change' provides students with in-depth understanding of underlying scientific issues as well as societal needs to develop climate warming solutions. Based on the transdisciplinary knowledge on climate, environment and energy obtained in the first semester, students will be introduced to various disciplines that inform the development, adoption and implementation of solutions to the problems posed by climate change, energy transition and environmental issues.
Courses	• **Action for Change (5 ECTS credit points)** • **Law & Economics of the Environment (5 ECTS credit points)** • **Interdisciplinary Project (5 ECTS credit points)** • **Elective courses (15 ECTS credit points)** (3 courses from the list): **-Socio-Environmental Dynamics (5 ECTS credit points)** **-Environmental Impact Analysis and Management (5 ECTS credit points)** **-Circular Economy (5 ECTS credit points)** **-Social-Ecological Systems (5 ECTS credit points)** **-The Life of Environmental Numbers (5 ECTS credit points)**
Type of assessment	The students' academic performance is assessed according to the examination and assessment methods, criteria, and regulations of ULB.

Annex 4: Grading Scheme: Table of Conversions
This is the version contained in Annex 1 to the Consortium Agreement.

ECTS Grading Scale	AMU	NKUA	ULB	UB	UofG	UNIL	UAM	SUR	PLUS	SU	UT
A	20	9-10	20	10	22 (A1)	6.00	9,5	30+	1	A	1,0-1,3
	19		19		21 (A2)	5.75		30			
	18		18		20 (A3)	5.50					
	17		17		19 (A4)			29			
	16		16		18 (A5)	5.25					
B	15	8-8,9	15	9	17 (B1)	5.00	8	28	2	B	1,4-2,1
	14		14		16 (B2)	4.75		27			
C	13	7-7,9	13	8	15 (B3)	4.50	7	26	3	C	2,2-2,8
	12		12	7	14 (C1)			25			
D	11	6-6,9	11	6	13 C2)	4.25	6	24	4	D	2,9-3,6
					12 (C3)			23			
E	10	5-5,9	10	5	11 (D1)	4.00	5	20-21	4	E	3,7-4,0
					10 (D2)			19-20			
					9 (D3)			18			
FX	9	0-4,9	9	4	8 (E1)	3-3.75	4	16-17	5	FX	4,1-5,0
	8		8		7 (E2)			14-15			
	7		7		6 (E3)			12-13			
F	6		6	3	5 (F1)	1-2.75	3	10-11		F	
	5		5		4 (F2)			8-9			
	4		4	2	3 (F3)		2	6-7			
	3		3		2 (G1)			3-5			
	0-2		0-2	1	1 (G2)		0-1	0-2			

* UNIL only assign a grade zero when a student does not show up or in case of fraud, plagiarism, cheating or attempt to cheat. Zero cannot be counted in an average mark.
* SU does not assign a grade when a student either fails to show up or hands in a blank exam.

The definitions and honours of the ECTS standard grading table are:

ECTS standard grading scale	*Definitions and Honours*
A	**Excellent:** Outstanding performance without errors
B	**Very Good:** Above the average standard but with minor errors
C	**Good:** Performance meets the minimum criteria
D	**Satisfactory:** Fair but with significant shortcomings

E	**Adequate:** Performance meets the minimum criteria
FX	**Fail:** some additional work required
F	**Fail**: much more work required

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