

Environmental Sciences & Humanities
UniFR_**ESH** Institute

**MSC IN ENVIRONMENTAL SCIENCES AND
HUMANITIES (120 ECTS)**

**MSC IN ENVIRONMENTAL HUMANITIES AND
SUSTAINABILITY STUDIES (90 ECTS)**

Warmly welcome!

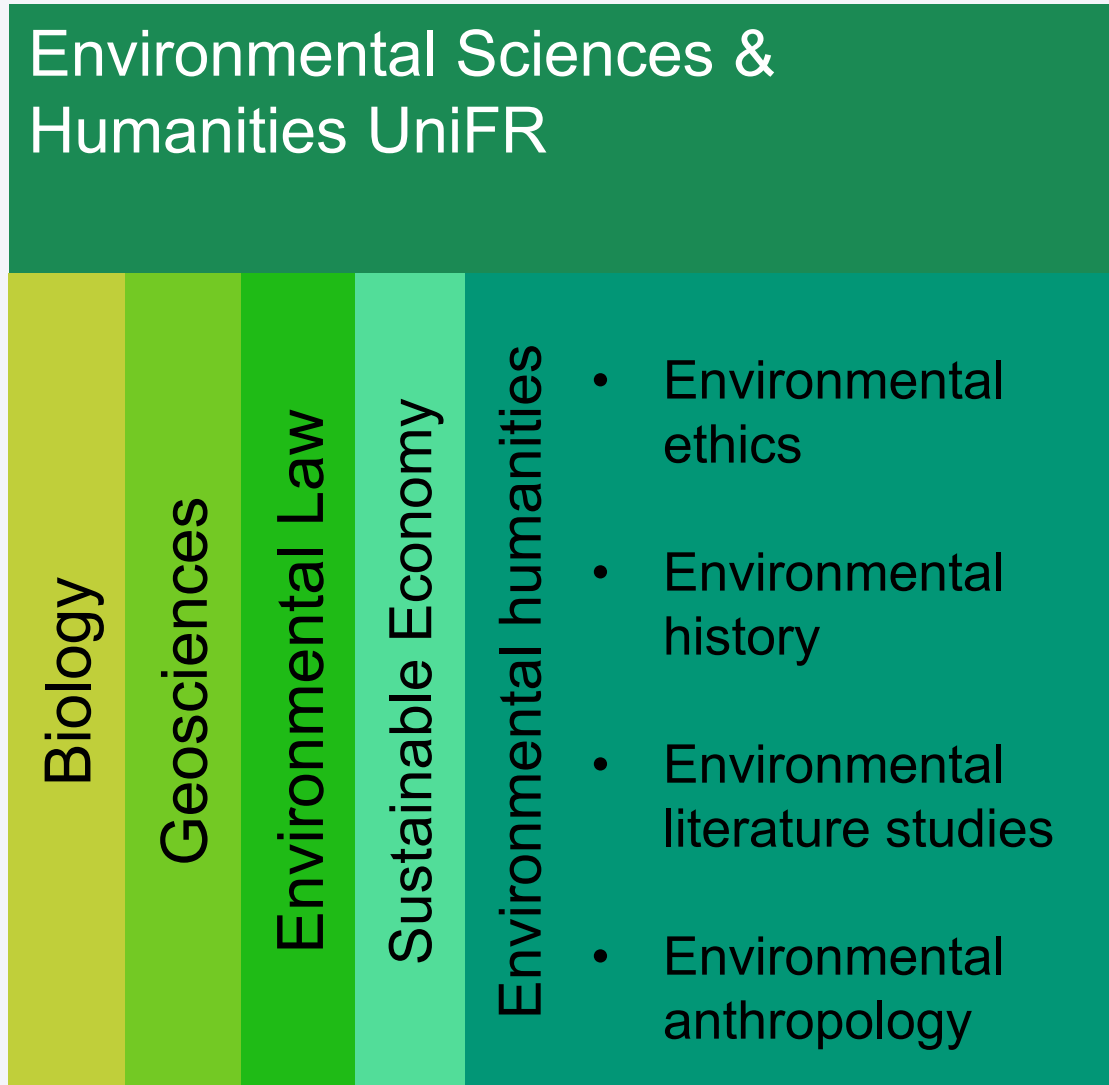


THEIR SOLUTION DEMANDS SCIENCES & HUMANITIES

- To solve the environmental challenges of today a solid background in **sciences** is essential. We focus on **biology and/or geosciences**.
- Governance solutions to environmental challenges include not only **legal and economic** aspects but also...
 - value judgements
 - ethical dilemmas
 - historical developments

*This demands competences in the **humanities** and especially in ethics and ethical decision-making.*

ENVIRONMENTAL HUMANITIES



- Environmental humanities
 - are **part of the** environmental sciences.
 - mostly originate from **classical** disciplines of **the humanities**.
 - a relatively **young subject**.
 - have an **environmental-ethical** character at UniFR.
- There is a lot of **room for** definition and **design for** the subject.

Competences

- analytical thinking & precise reasoning
- detecting the ethical / humanist implications of environmental practice
- general natural scientific, economic and legal knowledge concerning the environmental challenges of today
- specialize in the context of Master thesis

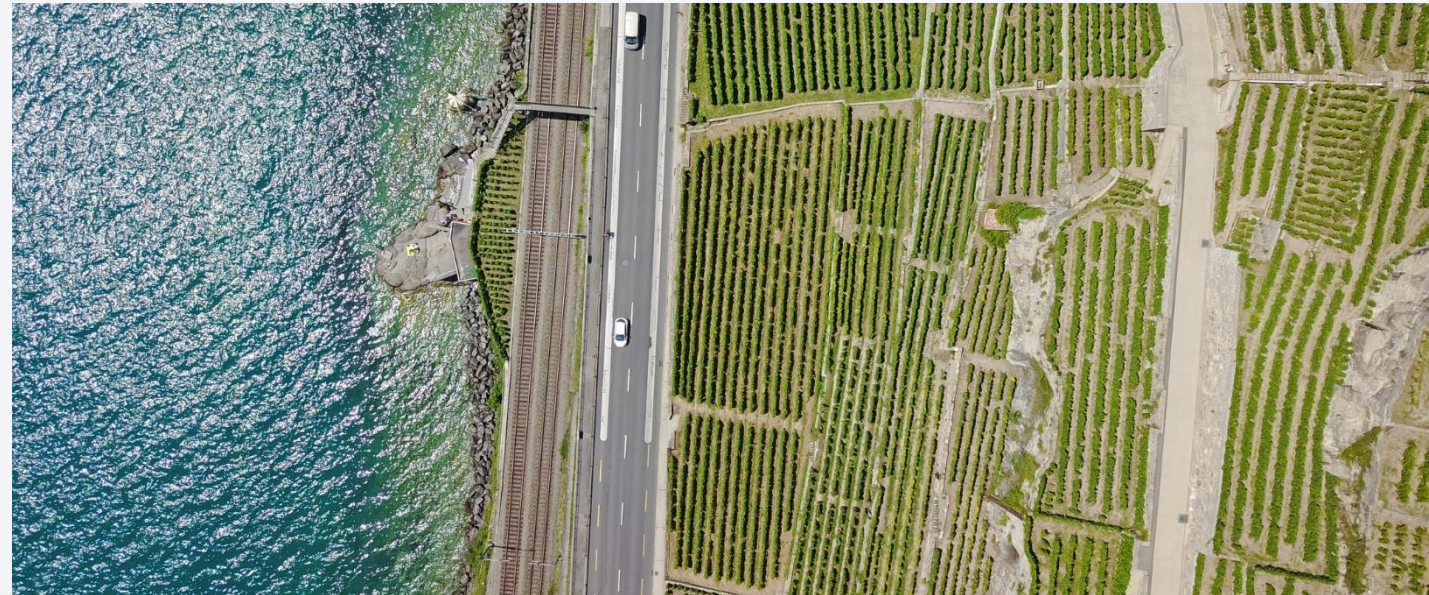
Opportunities

- research in the fields of environmental sciences and humanities, especially applied ethics and philosophy
- Job opportunities include the fields of environmental administration, environmental education and public institutions as well as NGOs



Environmental Sciences & Humanities
UniFR_ESH Institute

WHO WE ARE & WHAT WE DO



TEAM UNIFR_ESH INSTITUTE

Teaching and scientific management

- Prof. Ivo Wallimann-Helmer (Director)
- Prof. Ass. Claudia Keller
- Dr. Angela Martin / PhD Simon Kräuchi / PhD Valentina Sartor (Assistants to teaching and research)
- Simon Kräuchi / Valentina Sartor / Lukas Kunerth / Jana Manferdini (PhD students)
- Ilias Voiron / Giona Segat / Devhuti Shaw / Katherine Hermans / Ilja Kirianoff / Shea MCBride (guest PhD students) / Nika Chitishvili (guest post-doc)
- Dr. Aurianne Stroude / Dr. Miriam Zemanova / Dr. Maude Ouellette-Dubé
- Lucie Monney, Laura Barraud, Rébecca Greber (Tutors)

Administration and Student Advisory

- Astrid Kaiser



RESEARCH PROFILE ENVIRONMENTAL HUMANITIES

- **Environmental justice in an interdisciplinary contexts:** fair differentiation of responsibilities for the implementation of environmental measures and distribution of environmental risks.
- **Institutions for sustainable environmental policy:** institutional structures for ensuring a sustainable, efficient and effective environmental policy.
- **Ethical decision-making in environmental practice:** implementation of environmental and climate policy measures.
- **Ethics for Animals and the Environment:** ethical questions concerning animals and their environment as well as the intersection of these domains
- **Narratives and communication on biodiversity:** Investigates how narratives are used in communication and how storytelling can contribute to effective biodiversity communication.
- **Environmental disvalue:** deals with the “rough edges” of nature and the associated disvalues

ADMINISTRATION OF STUDIES



STUDENT ADVISORY

- Please always check **our homepage** first: www.unifr.ch/env
- **E-mail contact *only*:** environment@unifr.ch

Personal consultation

Astrid Kaiser, Room 3.325, PER14

Mondays and Tuesday mornings (or by appointment on Tuesday afternoons and Fridays)

Consultation hours Prof. Wallimann-Helmer & Dr. Angela Martin

By appointment, please send your request by mail to:
environment@unifr.ch

Documents, information and important communications

- <https://moodle.unifr.ch/course/index.php?categoryid=37>
- If needed the code of the teaching unit is always set as the password (e.g. SSE.00230 for Principles of Environmental Ethics)
- Login is also possible with the account of the University of Bern (Switch AAI)

COURSE ENROLLMENT

- On my.unifr.ch
- Please note that each faculty has its **own registration deadlines**.
- Deadline (Faculty of Science and Medicine): **20.09.26** / 16.10.26 (late registration)

EXAM REGISTRATION

- On myunifr.ch
- Please note that each faculty has its **own registration deadlines** (Deadline).
- Winter session (Faculty of Science and Medicine): **23.11.26 – 11.12.26**
- In some faculties, registration for the course includes registration for the examination!
- Note: No enrolment for exams in case of seminars validated by a written seminar paper (e.g. SSE.00470 Case studies in environmental sustainability)

DECLARATIONS

- **Declaration on scientific integrity:** Every student attending a course at the Faculty of Science and Medicine must complete two online courses on documentation skills and scientific integrity and then sign and submit a scientific integrity form:

<https://www.unifr.ch/scimed/en/integrity>

- For women only: Please sign also the **Declaration concerning pregnancy and breastfeeding:**

<https://www.unifr.ch/scimed/en/studies/rules/pregnancy>

STRUCTURE OF THE PROGRAMMS



GENERAL STRUCTURE AND RULES

- Each module consists of:
 - **Compulsory courses**
 - **Elective Courses**
- ***Elective courses*** should be taken at the level of competence: **only follow courses at master level if** you know the basics from your Bachelor studies.
- Some courses have strict **pre-requisites**

STRUCTURE MSC ENVIRONMENTAL SCIENCES AND HUMANITIES

The program divides into 6 Modules, supporting courses and the master thesis **(2 years, 120 ECTS** in total):

- 1. Environmental Humanities and Ethics**
 - 2. Geosciences**
 - 3. Environmental Biology**
 - 4. Environmental Law**
 - 5. Sustainable Economy**
 - 6. Humanities and Theology**
- Supporting Courses & Master Thesis**

BIOLOGY MODULE

- Special rules for biology module:
 - If you have not acquired any credits in biology during your BA **(0 ECTS)**: you must take **SBL.0001 – SBL.0004**
 - If you have acquired **1 – 29 ECTS** in biology during BA: follow **elective courses at Bachelor level** first, before taking MSc level courses.
 - More than **30 ECTS** in biology during BA: you can directly start with compulsory Master level courses, if you want
- Note: some biology courses presuppose specific knowledge and have **pre-requisites** → check in study plan

MSC ENVIRONMENTAL HUMANITIES AND SUSTAINABILITY STUDIES

	Modules	ECTS
Compulsory	Environmental Humanities Module	24-27
	Master Thesis Module	30
		Total: 54-57
Compulsory elective	Geosciences Module	18
	Environmental Biology Module	18
		Total: 18-36
Elective	Sustainable Economics Module	18
	Environmental Law Module	15
		Total: 0-18
		Total: 90

Note: you are only allowed to take the Environmental Biology Module if you have acquired at least 30 ECTS in biology during BA

COURSES OVERVIEW MSc ENVIRONMENTAL ETHICS

Basic courses

- Principles of environmental ethics + reading seminar
- Responsibility for green political theory
- Case studies in environmental sustainability

- Provide basics for ethical analysis of decision-making
- Train reading ethics texts
- Practice joint knowledge production and application of lectures theories

Complementing

- Justice in managing environmental challenges
- Environmental ethics for the Anthropocene

- Provide a broader view, presenting additional approaches and theories
- Complement and extend the basic theory courses

Deepening

- Responsibilities for sustainability
- Issues in environmental ethics

- Enable narrower and deeper analysis
- Provide advanced reading training
- Train to present own arguments through the studied theories

SUPPORTING COURSES MSC IN ENVIRONMENTAL SCIENCES & HUMANITIES (120 ECTS)

Workshop on supporting courses



SUPPORTING COURSES AND MASTER THESIS

Supporting Courses (9,5-11 ECTS)

- Choice of courses agreed with the study advisor to **compensate for competences** not acquired at Bachelor level

Deadline: end of 4th week of the first semester

Master Thesis (30 ECTS)

- **Interdisciplinary analysis** of an environmental challenge with a focus on ethics.
- Regular **discussions and feedback** at the Environmental Humanities Colloquium.

CHOICE OF SUPPORTING COURSES

- **Supporting courses** must be chosen from the lists of **elective courses**.
- Goal is to **acquire missing competences** from previous studies.
- **Rules of thumb:**
 - **Natural scientists** take courses in humanities, economics & law
 - **Economists and lawyers** take courses in natural sciences
 - **Social scientists** (e.g. international relations / political sciences) take courses in natural sciences & humanities
 - **Humanists** take courses in natural sciences

SUPPORTING COURSES

- Procedure on Moodle:

<https://moodle.unifr.ch/course/view.php?id=248286>

- Please fill in form 1 until **end of 4th week of the *first semester*.**

SUPPORTING COURSES

S'inscrire à des cours

Semestre d'automne 2022

- You might need to register to the course under «additional teaching in...»
- At the end of the semester, once the credits are acquired : you have to transfer the credits in the supporting courses module !
- Go on your www.myunifr.ch page and ask for a «credit transfer»
- Select the course and select in which module the credits should be counted
- You will receive a confirmation in a few days

Filtres

Plan d'études * MSc en Sciences de l'environnement et humanités environnementales [MA] 120

Semestre * MSc en Sciences de l'environnement et humanités environnementales [MA] 120

Domaine d'études

Cours de langues

Projets d'auto-apprentissage

Enseignement complémentaire en Théologie

Enseignement complémentaire en Droit

Enseignement complémentaire en SES

Enseignement complémentaire en Lettres

Enseignement complémentaire en sciences

Compétences numériques

Type de cours

Langue

Structure des études

Mode d'évaluation

Examens / résultats

Examens

Résultats et validation

Transferts de crédits

Remise de diplômes

OTHER GENERAL INFORMATION

- The schedules of all courses are on www.unifr.ch/timetable
- **A lot of courses are biennial / on announcement only !!!!**
 - ➡ If one course does not appear when you research it, or when you are interested in a course but want to take it the year after, make sure it takes place in the next academic year.
- If you are from a country outside of Switzerland / European Union: recommendation to take at least **30 ECTS per semester**, otherwise there may be visa extension issues

CONCLUSION



Sustainability in practice - *Learning. Doing. Transforming*

What you learn



Adopt an interdisciplinary perspective to address sustainability challenges



Cultivate and apply critical thinking within a broad, complex field



Design and implement a collaborative project



Produce a podcast

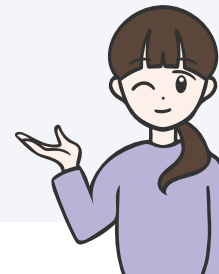


Develop a practical solution to address a local need

What you get

- A certificate worth 9 ECTS credits (outside the regular study program)
- Additional competencies relevant to the professional world
- Methods and tools to engage stakeholders in innovative ways
- Access to a network of researchers and experts working on transformation and sustainability topics

Learn more / Registration





FACHSCHAFT DES GÉOSCIENCES FACHSCHAFT DER GEOWISSENSCHAFTEN



FSGEOSCIENCESUNIFR

fs-geo@unifr.ch



ACTIVITÉS?

- Apéro de bienvenue
- GeoFondue
- Apéro de Noël
- Soirée film
- Week-end Cryosphère
- Excursions



Fachschaft des Géosciences



WHATSAPP- GROUP ENVIRONMENTAL SCIENCES AND HUMANITIES

(New)Environmental Science FR 

WhatsApp group





Kind invitation to our traditional

Semester opening apéro

From 16:00 – La Pommès, PER14, parterre