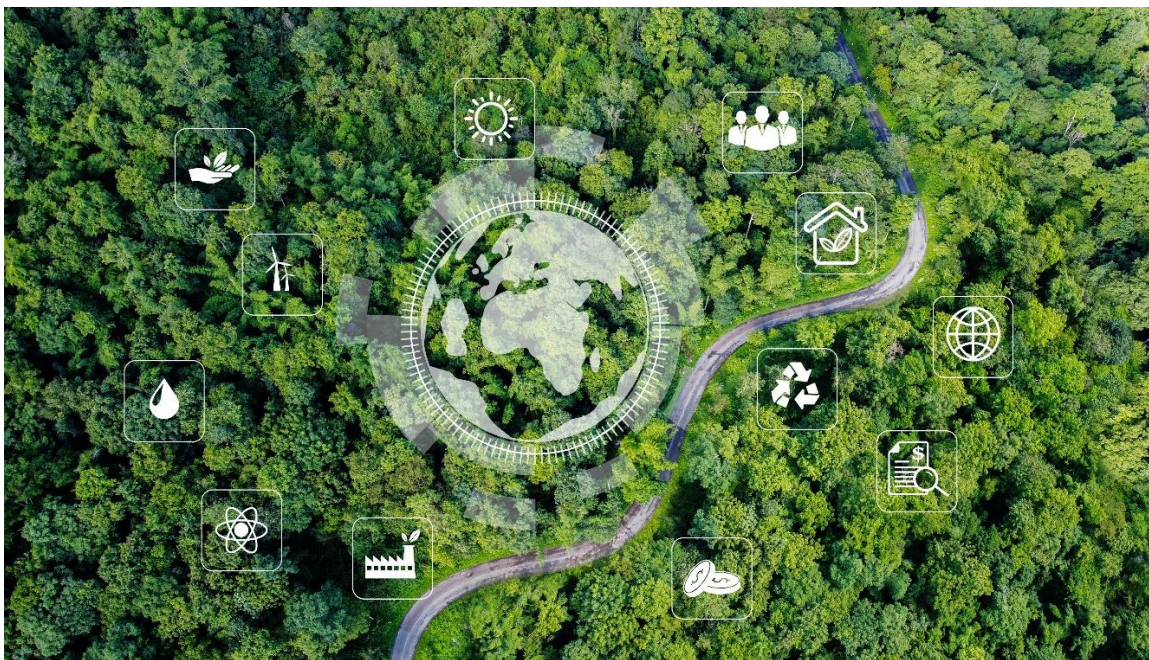


# Welcome/Course Guide

## International Joint Master's Programme in Sustainable Development 2023 - 2024



*Universities:* **GRAZ**, University of Graz, Austria/ **VENICE**, Ca' Foscari University of Venice, Italy/ **LEIPZIG**, Leipzig University, Germany/ **UTRECHT**, Utrecht University, The Netherlands/ **BASEL**, Basel University, Switzerland/ **HIROSHIMA**, Hiroshima University, Japan/ **STELLENBOSCH**, Stellenbosch University, South Africa/ **NEW DELHI**, TERI School of Advanced Studies, India.



# Table of contents

<b>1</b>	<b>PROGRAMME INFORMATION .....</b>	<b>4</b>
1.1	ELEMENTS OF THE JOINT PROGRAMME .....	4
1.2	COMPETENCE PROFILE AND CAREER PERSPECTIVES .....	4
1.3	PROGRAMME STRUCTURE .....	5
1.4	CONSORTIUM AND PARTNER UNIVERSITIES.....	5
1.5	ENTRANCE UNIVERSITY AND MOBILITY SEMESTER .....	6
1.6	DEGREE AWARDING .....	6
<b>2</b>	<b>MODULES AND TRACKS .....</b>	<b>7</b>
2.1	BASICS IN SUSTAINABLE DEVELOPMENT .....	7
2.2	SPECIALISATION TRACKS .....	7
2.3	INTEGRATION MODULE .....	7
2.4	MASTER THESIS .....	7
<b>3</b>	<b>PRACTICAL INFORMATION .....</b>	<b>8</b>
3.1	VIRTUAL EXCHANGE .....	8
3.2	MOBILITY PROCEDURES.....	8
3.3	GRADING .....	9
3.4	ACADEMIC CALENDAR.....	9
3.5	CONTACTS & INFORMATION.....	10
<b>4</b>	<b>AVAILABLE SPECIALISATION TRACKS .....</b>	<b>10</b>
4.1	APPENDIX I: TRACKS AND COURSES 2023 - 24.....	12



## **Welcome to the International Joint Master's Programme in Sustainable Development!**

This Joint Master's Programme was developed by a consortium which consists of University of Graz, Ca' Foscari University of Venice, and Leipzig University. Basel University, Utrecht University, Hiroshima University, Stellenbosch University and TERI School of Advanced Studies are associated partners in the programme.

The International Joint Master's Programme in Sustainable Development is a prime example of a programme where sustainability issues are approached from an interdisciplinary perspective. The focus is set on applying competencies to the question of sustainable development and the needs and possibilities of societal transformation. It combines the specialisations in teaching and the research excellence of eight partner universities, thereby offering you a comprehensive qualification recognized by the countries of the consortium partners and the possibility of going on to PhD studies as well as increasing the employability in the private, public, and semi-public sector.

On behalf of faculty and staff we wish you an inspiring, pleasant and successful new academic year!

The Joint Programme Coordination team



## 1 Programme information

This chapter introduces you to the concept of sustainable development, which is of course the core subject of the Joint Master's Programme. It explains what a joint programme is and gives an insight about the programme content.

### 1.1 Elements of the Joint Programme

A Joint Programme is offered jointly by several higher education institutions. You can choose one of the degree-awarding universities as your entrance university where you will be enrolled and a mobility university for your specialisation according to your academic background. You must complete at least one semester at your mobility university. This allows you to highly specify on different modules and specialisation tracks that are of interest to you.

Students of the Master's programme attend the module "Basics in Sustainable Development" (30 ECTS) in the first semester and the "Integration Module" (30 ECTS) in the third semester at their entrance university (the university where you enrol). The courses in these modules aim to put disciplinary insights and approaches into the right context while learning to work in teams on assigned projects.

Each specialisation track of the programme (second semester, 30 ECTS) includes a specific number of courses that provide you with theoretical depth and a solid foundation in research methodology, techniques and skills. Elective courses further deepen this knowledge.

The independent final research Master's thesis comprises 30 ECTS credits. A research internship can be part of this final thesis (after consultation with the academic coordinator and/or supervisor).

### 1.2 Competence Profile and Career perspectives

The Joint International Master in Sustainable Development trains highly qualified specialists whose multidisciplinary skills enable them to prevent, diagnose and solve environmental challenges.

A student with a Master of Science degree in Sustainable Development:

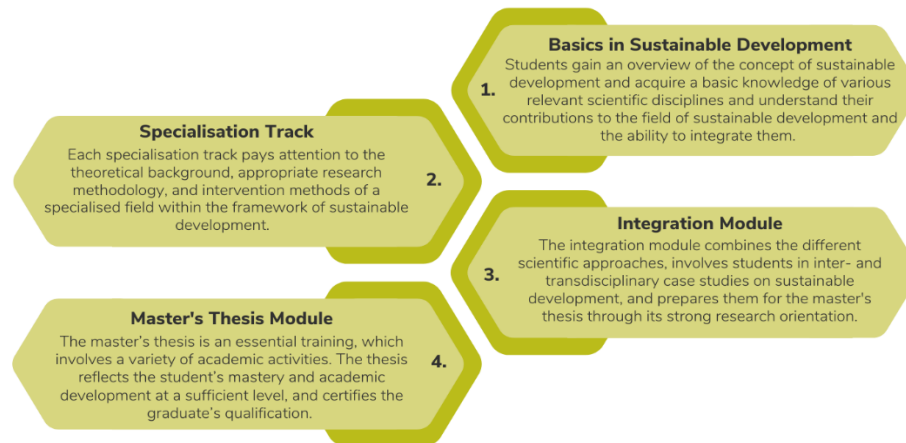
- understands the dynamics, complexity and interaction between natural, social and economic processes and systems with regard to sustainable development,
- is able to analyse issues in the field of sustainable development, taking into consideration different disciplinary perspectives,
- has comprehensive competences in a scientific perspective,
- knows and is able to apply adequate working methods and instruments of scientific research and application,
- is able to apply their knowledge and scientific skills in inter- and trans-disciplinary teams to complex issues, has the appropriate social skills, such as writing, discussing, conflict management, teamwork, project management and is thus able to make a significant



- contribution to the transition to a sustainable society,
- is able to conduct independent scientific research and publish the results of a scientific investigation in the form of a scientific article or a similar publication.

The Master's programme prepares students for doctoral studies that, ultimately, lead to careers in scientific research. The societal orientation of the Master's programme also makes it a good starting point for positions not directly related to scientific research. Graduates might find employment in the private sector, the public sector (EU, national, regional, and local government), consultancies, and NGOs.

### 1.3 Programme Structure



### 1.4 Consortium and Partner Universities

The International Joint Master's Programme in Sustainable Development combines the teaching specialisations and research foci of eight high profile partner institutions. The universities work together to guarantee a high-quality international curriculum with regional aspects.

Entrance (degree awarding and mobility) universities:

- [University of Graz](#)
- [Ca' Foscari University of Venice](#)
- [Leipzig University](#)

Mobility universities (for mandatory mobility):

- [Utrecht University](#)
- [University of Basel](#)
- [Hiroshima University](#)

Additional mobility universities:

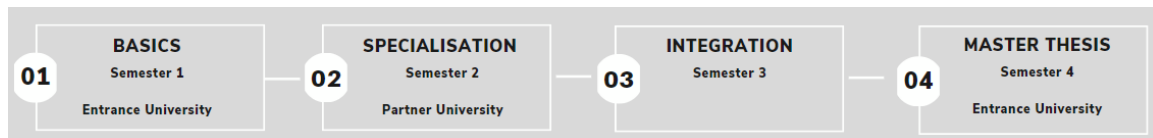
- Stellenbosch University
- TERI School of Advanced Studies



## 1.5 Entrance University and Mobility Semester

The 'entrance university' is defined as the university where you are enrolled as a regular student, at which you start the programme and complete at least the first semester and last semester (60 ECTS). You are required to complete at least 30 credits<sup>1</sup> at one of the partner universities (except TERI and Stellenbosch).

You have to spend the specialisation track in the 2nd semester at a partner university. The mobility semester can be spent at any of the degree awarding partners as well as at the associated partner universities Basel University, Utrecht University and Hiroshima University. You may also spend an additional study period<sup>2</sup> at Stellenbosch University and TERI School of Advanced Studies or use any other mobility programmes available at your entrance university.



## 1.6 Degree awarding

Upon successful completion of the Joint International Master in Sustainable Development, students are awarded a "Master's Degree in Sustainable Development - M.Sc."

- Austria: Master of Science (M.Sc.)
- Germany: Master of Science (M.Sc.)
- Italy: Laurea magistrale (LM)

A double degree will be awarded by the University of Graz and Ca' Foscari University Venice, by Leipzig University and Ca' Foscari University Venice and by the University of Graz and Leipzig University after the fulfilment of the respective legal prerequisites.

Graduates who completed the mandatory mobility in Utrecht, Basel or Hiroshima will receive the Master's degree issued by the entrance university.

In addition, graduates of the Joint International Master in Sustainable Development will receive a diploma supplement and a jointly issued bridging document, containing all information about the programme and its international structure, provided by the respective entrance university.

The entrance university is responsible for handling the graduation process by confirming the successful completion of the programme in accordance with the programme

<sup>1</sup> "European Credit Transfer and Accumulation System" points are based on the total time investment a course or module requires in principle, including both classroom contact hours and individual study. You can find out more about the ECTS system at [http://ec.europa.eu/education/tools/ects\\_en.htm](http://ec.europa.eu/education/tools/ects_en.htm)

<sup>2</sup> Note: additional fees may be charged. You have to go through regular procedures.



requirements. The entrance university issues the local degree certificate and informs the degree-awarding mobility partner about the completion of the Joint Programme.

## **2 Modules and Tracks**

This chapter will give you detailed information on the programme, qualifications, and tracks as well as an overview of the general structure of the joint master's programme.

### **2.1 Basics in Sustainable Development**

All students of the Joint International Master in Sustainable Development must take the introductory module 'Basics in Sustainable Development' (1<sup>st</sup> semester) at their chosen entrance university. By attending the basic module, you gain a comprehensive overview of the concept of sustainable development, ranging from local to global processes, including the history of the concept and various ways it can be operationalised. You also acquire a basic knowledge and skills in policy analysis and policy evaluation, as well as of various relevant scientific disciplines and understand their contributions to the field of sustainable development and the ability to integrate them.

### **2.2 Specialisation tracks**

Each specialisation track (2nd semester, mandatory mobility) pays attention to the theoretical background, appropriate research methodology, and intervention methods of a specialised field within the framework of sustainable development. You specialise in natural or social sciences (or a mix of both) depending on your academic background. You deepen that basis by attending further optional courses from the curriculum.

### **2.3 Integration module**

The integration module (3rd semester) combines the different scientific approaches, involves you in inter- and transdisciplinary case studies on sustainable development, and prepares you for the Master's thesis in the fourth semester through its strong research orientation.

### **2.4 Master thesis**

The Master's thesis module (4th semester) comprises 30 ECTS credits. The thesis reflects your mastery and academic development at a sufficient level and is an essential training, which involves a variety of academic activities: formulating a research objective and question after reviewing the literature; sorting, interpreting, and synthesising information; collecting/analysing measurements/observations; and presenting oral/written reports of findings, if required by the respective regulations of the entrance university. A research traineeship may be part of the final thesis project.

! Check out the website (download section) for further information about the role of the second reader.



### 3 Practical information

This chapter provides some practical information about the programme. You will get to know the virtual components as well as some insights into the organisation of the mandatory mobility which is part of the programme. An overview of the academic calendar at the different universities is given as well as information regarding language conditions and optional language courses.

#### 3.1 *Virtual exchange*

This year the programme offers two virtual exchange components:

A First **Virtual Exchange Orientation** for all students of the Joint International Master in Sustainable Development. It allows students to get to know each other independently of their entrance university. It also offers the opportunity to obtain information directly from the coordinators of the individual partner universities.

**When:** Thursday, September 14, 2023, 9am - 11am CET

**Where:** <https://unimeet.uni-graz.at/b/hof-6ee-efr-le2>

This year the consortium will again offer a **Webinar Miniseries**, some of which will be integrated into courses at the respective entrance universities.

This last year newly established format will not only provide a first insight into the different perspectives on SD present in the programme but will also bring together students from the different universities.

Participants will

- get a brief insight into the different perspectives on SD present in the programme
- have a chance to discuss sustainability topics with experts from different backgrounds,
- get to know the students from the partner universities in the same generation and
- collaborate with them in small group exercises.

Information about dates and time will be sent out by email.

#### 3.2 *Mobility procedures*

Your entrance university takes care of the organisation of the **mandatory mobility semester** in the course of the first semester. Where possible, the Erasmus+ programme will be used to facilitate the study abroad stay.

Your entrance university will nominate you to your mobility university and will provide contact details.





Your mobility university will then contact you and you will receive more information about the application procedure and the course selection. You will also receive assistance in case you need to apply for a visa.

Joint Master students are normally considered mobility students covered by the EU Directive 2016/801 which allows a stay for research or study purposes for up to 360 days at another Schengen country without the need to apply for a separate visa.

**Important:** please get in contact with your mobility university to check whether this policy applies to you and whether it is necessary to register additionally in the host country.

**Tuition fees** will be waived at the mobility university, however administrative fees may apply. Please check the programme website for further details!

! Important: please stick to deadlines and read carefully through information provided! In case of questions, please get in contact with the administrative coordination of your entrance university!

### 3.3 Grading

Bilateral conversion tables as stipulated in the cooperation agreement of the consortium are used for grade conversion between the partner universities.

The grade conversion table can be found as a download on the website ([download section](#)).

### 3.4 Academic Calendar

The start of the semester can vary within the Joint Master's Programme depending on your chosen entrance and mobility universities. Here is an overview of the academic calendar for 2023/24:

	<b>Semester 1</b>		<b>Semester 2</b>	
	Semester 1a	Semester 1b	Semester 2a	Semester 2b
<b>Utrecht</b>	Sept 4 - Nov 10	Nov 13 - Feb 2	Feb 5 - April 19	April 22 - July 12
<b>Graz</b>	Oct 3 - Feb 3		March 6 - Jun 28	
<b>Leipzig</b>	Classes: Oct 9 - Feb 3		April 2 - July 6	
<b>Venice</b>	Classes: Sep 18 - Dec 23 Exams: Jan 15 - Feb 10		Classes: Feb 12 - May 18 Exams: May 27 - Jun 29	
<b>Basel</b>	Check <a href="#">here</a>		Check <a href="#">here</a>	
<b>Hiroshima</b>	Oct. 1 - Feb 9		April 3 - August 2	



### 3.5 Contacts & information

University	Academic Coordinators	Administrative Coordinators
<b>Graz</b>	Assoc.-Prof. Dr. Thomas Brudermann <a href="mailto:thomas.brudermann(at)uni-graz.at">thomas.brudermann(at)uni-graz.at</a>  Juliane Stumpf <a href="mailto:Juliane.stumpf@edu.uni-graz.at">Juliane.stumpf@edu.uni-graz.at</a>	Mag. Ulrike Krawagna & Dr. Anja Hoffmann <a href="mailto:jointdegrees(at)uni-graz.at">jointdegrees(at)uni-graz.at</a>
<b>Hiroshima</b>	Prof. Daisaku Goto <a href="mailto:dgoto@hiroshima-u.ac.jp">dgoto@hiroshima-u.ac.jp</a>  Prof. Tao Feng <a href="mailto:taofeng@hiroshima-u.ac.jp">taofeng@hiroshima-u.ac.jp</a>	Support Office for the fields of International Development and Cooperation (IDEC) <a href="mailto:koku-gaku@office.hiroshima-u.ac.jp">koku-gaku@office.hiroshima-u.ac.jp</a>
<b>Leipzig</b>	Prof. Dr. Thomas Bruckner <a href="mailto:sustainable@uni-leipzig.de">sustainable@uni-leipzig.de</a>	Ms. Lydie Laforet & Ms. Sabine Tuch <a href="mailto:sustainable@uni-leipzig.de">sustainable@uni-leipzig.de</a>
<b>Venice</b>	Prof. Fabio Aricò <a href="mailto:fabio.arico@unive.it">fabio.arico@unive.it</a>	Ms. Debora Dai Prè & Ms. Alessia Pelella <a href="mailto:jointdegree(at)unive.it">jointdegree(at)unive.it</a>
<b>Basel</b>	PD Dr. Basil Bornemann <a href="mailto:basil.bornemann@unibas.ch">basil.bornemann@unibas.ch</a>	Ms. Camelia Chebbi <a href="mailto:coordination-msd(at)unibas.ch">coordination-msd(at)unibas.ch</a>
<b>Utrecht</b>	Dr. Frank van Laerhoven <a href="mailto:F.S.J.vanLaerhoven@uu.nl">F.S.J.vanLaerhoven@uu.nl</a>	Drs. Erika Dijkma <a href="mailto:e.b.dijkma@uu.nl">e.b.dijkma@uu.nl</a>

## 4 Available Specialisation Tracks

The programme consists of different tracks, allowing you to depending on your undergraduate education. This academic year the consortium offers the following tracks:

### Utrecht University:

- Energy and Materials
- Environmental Change and Ecosystems
- Earth System Governance
- Politics, Ecology & Society

### University of Graz:

- Corporate Sustainability Management
- Innovation and Transition Management
- Climate Change



**Ca' Foscari University of Venice:**

- Global Change and Sustainability

**Leipzig University:**

- Environmental and Resource Economics
- Environmental and Resource Management

**University of Basel:**

- Sustainability: A social science perspective

**Hiroshima University:**

- Sustainable Development Science and Technology
- Global Development Policy

The list plus descriptions can be also found on our website:

<https://www.jointdegree.eu/de/joint-international-master-in-sustainable-development/modules-tracks/specialisation-tracks/>



## 4.1 Appendix I: Tracks and Courses 2023 - 24

### University of Graz

Please check the programme of courses online in the [UniGrazOnline Course Guide](#):

#### Semester 1: Basics in Sustainable Development

Compulsory	A.1 The Sustainability Challenge (3, SE ECTS) A.2 Sustainable Development: Integrating Perspectives (AG 10 ECTS) A.3 Social competencies for working in inter- & transdisciplinary teams (SE 2 ECTS) A.4 Methods for inter- and transdisciplinary problem solving (KS 2 ECTS) A.5 Earth's Climate System and Climate Change (VO 3 ECTS)
Optional* (select 10 ECTS)	The Sustainability Challenge - reading and reflection (2 ECTS) Environmental and technology assessment (4 ECTS) Fundamentals of Circular Economy and Industrial Ecology (4 ECTS) Waste and Recycling (4 ECTS) Decision Making for Sustainable Development (4 ECTS) Human Factors in Transitions (4 ECTS) Sustainable Business Models (4 ECTS) Data in Systems Sciences (3 ECTS) Seminar Data in Systems Sciences (4 ECTS) Globalization and Development (6 ECTS) Seminar in Research Methodology (3 ECTS) Renewable Resources - Chemistry and Technology Further selected topics*

\*please check the [UniGrazOnline Course Guide](#)

#### Semester 2 Specialisation track: Corporate Sustainability Management

Compulsory	B.10.1 Strategic Sustainability Management (4 ECTS) B.10.2 Sustainability Controlling and Management (4 ECTS) B.10.3 Quantitative methods of Social Research (4 ECTS) B.10.4 Research Project Sustainability and Innovation Management (6 ECTS)
Optional (select 12 ECTS)	B.10.5 Selected Topics of Sustainability Management Value Chain Management (4 ECTS) Change Management and Learning for Sustainability (4 ECTS) Waste and Recycling (4 ECTS) Sustainable Product Management (4 ECTS) Product and Service Development (4 ECTS) Decision Making for Sustainable Development (4 ECTS) Low-carbon mobility behavior and policy options (4 ECTS) Fundamentals of Circular Economy and Industrial Ecology (4 ECTS)



---

**Semester 2 Specialisation track: Innovation and Transition Management**

---

Compulsory	B.11.1 Transition Management (4 ECTS)
	B.11.2 Sustainable Innovation (4 ECTS)
	B.11.3 Quantitative methods of Social Research (4 ECTS)
	B.11.4 Research Project Sustainability and Innovation Management (6 ECTS)
Optional (select 12 ECTS)	B.11.5 Selected Topics of Innovation and Transition Management
	Environmental and Technology Assessment (4 ECTS)
	Environmental Decision Making (4 ECTS)
	Product and Service Development (4 ECTS)
	Human Factors in Transitions (4 ECTS)
	Change Management and Learning for Sustainability (4 ECTS)
	Value Chain Management (4 ECTS)
	Waste and Recycling (4 ECTS)
Fundamentals of Circular Economy and Industrial Ecology (4 ECTS)	
Low-carbon mobility behavior and policy options (4 ECTS)	

---

**Semester 2 Specialisation track: Climate Change**

---

Optional (select 12 ECTS)	B.12.1 Climate Physics (4 ECTS)
	Climate and Environmental Change - Current Research Topics (2 ECTS)
	Atmospheric Dynamics (3 ECTS)
	Climate Dynamics (3 ECTS)
	Atmospheric Measurement Methods (3 ECTS)
	Selected Topics in Atmospheric and Climate Physics (3 ECTS)
	Physical Oceanography, Hydrology and Climate (3 ECTS)
Climate Modelling (3 ECTS)	
Optional (select 12 ECTS)	B.12.2 Physical Geography
	Mountain Hydrology (4 ECTS)
	Mountain Meteorology and Climatology (4 ECTS)
	Climatology and Hydrology (4 ECTS)
	Master Seminar Physical Geography (4 ECTS)
Geomorphology and Earth System Sciences (4 ECTS)	
Optional (select 6 ECTS)	B.12.3 Selected Topics in Climate and Environmental Change
	Climatological/Hydrological data processing and modelling (4 ECTS)
	Monitoring of geomorphological processes (4 ECTS)
	Practical Course in Hydrology (2 ECTS)
	Special Topics in ESS/CCET Climate Change - Climate and Energy Management (3 ECTS)
	Snow and ice processes (4 ECTS)

---




---

### Semester 3: Integration Module and Further Specialisation

Compulsory	C.1.1 Inter- and transdisciplinary case study on Sustainable Development (10 ECTS) C.1.2 Social Competences for Managing Sustainable Development (3 ECTS) C. 1.3 Master seminar (2 ECTS)
Optional (select 14 ECTS)	Free Electives

---

### Semester 4: Master Thesis

Compulsory	Master Thesis (30 ECTS) Master Exam (1 ECTS)
------------	---

---

## Leipzig University

### Semester 1 Basics in Sustainable Development

Compulsory	Basics in Economic Sciences (10 ECTS) <ul style="list-style-type: none"> <li>• Sustainable Economics</li> <li>• International Financial Management</li> <li>• Elective Seminar</li> </ul>
Compulsory	Basics in Social Sciences (10 ECTS) <ul style="list-style-type: none"> <li>• International Studies: Lecture and tutorial</li> <li>• Development Economics</li> </ul>
Compulsory	Basics in Sustainable Development (10 ECTS) <ul style="list-style-type: none"> <li>• Theories of Sustainability</li> <li>• Assessment of Climate Protection Strategies</li> <li>• Seminar in a selected sustainability topic</li> </ul>

---

### Semester 2 Specialisation track: Environmental and Resource Economics

Compulsory	Sustainable Energy Economics (10 ECTS) Environmental and Biodiversity Economics (10 ECTS)
Optional	1 Elective from Track 2 or Elective to be discussed with the Academic Advisor

---



---

**Semester 2 Specialisation track: Environmental and Resources Management**

---

Compulsory (20 out of 30 ECTS)	Water Resource Management (10 ECTS) Land Management (10 ECTS) Energy Engineering and Management (10 ECTS)
Optional	1 Elective from Track 1 (10 ECTS)

---

**Semester 3: Integration Module**

---

Compulsory	Inter- and transdisciplinary case study (15 ECTS) Project Management and Communication Skills (5 ECTS)
Optional (select 10 ECTS)	Material Flow Management Sustainability Assessment of the "Energiewende" (5 ECTS) Natural Resource use and Conservation Economics (5 ECTS) Modelling in Resources Management (10 ECTS) Entrepreneurship Management (10 ECTS)

---

**Semester 4: Master Thesis**

---

Compulsory	Master Thesis (30 ECTS)
------------	-------------------------

---

**Ca' Foscari University Venice**

Students starting the programme in Venice check out the full programme here:

<https://www.unive.it/data/45464/>

**Semester 1 Basics in Sustainable Development**

---

Compulsory	Health and Safety for Teaching and Research (0 ECTS) Health and Safety for Teaching and Research - update (0 ECTS) Oceanography and Climatology (12 ECTS) Biodiversity and Global Change (6 ECTS) Environmental Data Analysis
------------	---

---

**Semester 2 Specialisation track: Global Change and Sustainability**

---

Compulsory	Geographic Information Systems (6 ECTS) Renewable energy sources (6 ECTS) Environmental and climate economics (6 ECTS) The climate of the past (6 ECTS) Environmental impacts of climate change (6 ECTS)
------------	--

---



### Semester 3: Integration Module

Compulsory	Ecosystem functioning and climate change (6 ECTS) Environmental modelling (6 ECTS)
Optional * (select 12 ECTS)	2 Elective courses to be selected among the courses offered 1 Elective course (6 ECTS) + 6 ECTS internship (150h) 12 ECTS internship (300h)

### Semester 4: Master Thesis

Compulsory	Interdisciplinary case study (6 ECTS) Innovation and Environmental Management (6 ECTS)
Compulsory	Master Thesis & Exam (24 ECTS)

#### \*Possible elective courses (Venice)

Department	Master's Degree Programme	Course title	Sem.	Where	Webpage
Economics	Global Development and Entrepreneurship	European Intellectual Property Law	1 <sup>st</sup>	TREVISO	<a href="https://www.unive.it/data/course/303613/programma">https://www.unive.it/data/course/303613/programma</a>
Economics	Global Development and Entrepreneurship	Geopolitics and Geoeconomics	2 <sup>nd</sup>	TREVISO	<a href="https://www.unive.it/data/course/303616/programma">https://www.unive.it/data/course/303616/programma</a>
Economics	Global Development and Entrepreneurship	Economics and Governance of Migration	2 <sup>nd</sup>	TREVISO	<a href="https://www.unive.it/data/course/303262">https://www.unive.it/data/course/303262</a>
Linguistics and Comparative Cultural Studies	Comparative International Relations	Global Change and Sustainability	2 <sup>nd</sup>	VENEZIA, Linguistic Campus	<a href="https://www.unive.it/data/course/314684/programma">https://www.unive.it/data/course/314684/programma</a>
DAIS	Conservation Science and Technology for Cultural Heritage	Geology applied for cultural heritage	1 <sup>st</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/course/306426">https://www.unive.it/data/course/306426</a>
DAIS	Conservation Science and Technology for Cultural Heritage	Statistics and Experimental Design	2 <sup>nd</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/insegnamento/321093">https://www.unive.it/data/insegnamento/321093</a>
DAIS	Conservation Science and Technology for Cultural Heritage	Ecology and Sustainability for Cultural Heritage	2 <sup>nd</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/course/281958">https://www.unive.it/data/course/281958</a>





DAIS	Computer Science	Bioinformatics	1 <sup>st</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/course/274869">https://www.unive.it/data/course/274869</a>
DAIS	Computer Science	Statistics for Spatio-Temporal Data	2 <sup>nd</sup>	MESTRE, Scientific Campus Mestre	<a href="https://www.unive.it/data/course/306560">https://www.unive.it/data/course/306560</a>
DSMN	Science and technology of bio and nanomaterials	Short course in Molecular Biology	1 <sup>st</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/course/307125">https://www.unive.it/data/course/307125</a>
DSMN	Science and technology of bio and nanomaterials	Microbiology	1 <sup>st</sup>	MESTRE, Scientific Campus	<a href="https://www.unive.it/data/course/320108">https://www.unive.it/data/course/320108</a>
MANAGEMENT	Management	Food Business Management and Marketing	2 <sup>nd</sup>	Venezia, San Giobbe	<a href="https://www.unive.it/data/course/317266">https://www.unive.it/data/course/317266</a>
School for International Education (SIE)	Semester course	The Ecosystem of the Venetian Lagoon	1 <sup>st</sup>	Venezia, S. Sebastiano	<a href="https://www.unive.it/data/course/321777/programma">https://www.unive.it/data/course/321777/programma</a>

## Utrecht University

### Teaching periods at Utrecht University

At Utrecht University, classes take place during two semesters per year, each of which can be divided into two blocks, or periods, of 9 or 10 weeks.

If you join Utrecht University in your 2<sup>nd</sup> semester as a mobility student, you will study with us in periods 3 and 4 of your 1<sup>st</sup> year.

#### Semester I:

Period 1: Starts Monday of week 36 (4 September 2023)

Period 2: Starts Monday of week 46 (13 November 2023)

In period 2, 2023-2024 there are two weeks without lectures: weeks 52 and 1.

#### Semester II:

Period 3: Starts Monday of week 6 (5 February 2024)

Period 4: Starts Monday of week 17 (22 April 2024)



## **Time slots at Utrecht University**

At Utrecht University a so-called timeslotmodel is used to schedule courses to fit into fixed parts of the week. Using this model prevents overlap in a schedule. In this way, it is easy to see if two courses can be taken in the same period.

The Utrecht University timeslotmodel consists of five slots (A, B, C, D, E).

Timeslot A = Monday morning and Wednesday morning

Timeslot B = Tuesday morning and Thursday afternoon

Timeslot C = Monday afternoon and Thursday morning

Timeslot D = Wednesday afternoon and Friday

Timeslot E = Monday evening until Friday evening

Morning = 09.00-12.45 hours, afternoon = 13.15-19.00 hours, evening = 18.00-21.45 hours.

Periods and timeslots have been put into the course schedules below.

**Note:** each year this may be subject to change. No rights can be derived from this schedule.

## **Specialisation tracks at Utrecht University**

**Bold** = mandatory general course

Normal = mandatory track course

**EM** = Utrecht track Energy & Materials

**ECE** = Utrecht track Environmental Change & Ecosystems

**ESG** = Utrecht track Earth System Governance

**PES** = Politics, Ecology & Society

Period 1	at your entrance university	at your entrance university
Period 2	at your entrance university	at your entrance university
<b>Period 3</b>	<b>(C) Research Design SD, GEO4-2314</b>	<b>EM:</b> (B) Energy Supply Technologies, GEO4-2312 <b>ECE:</b> (B) Environmental Systems Analysis, GEO4-2303 <b>ESG:</b> (B) Research Strategies ESG, GEO4-2304 <b>PES:</b> (B) Research Methods for Politics, Ecology and Society, GEO4-2345
<b>Period 4</b>	<b>(D) Consultancy Project SUSD and WSM , GEO4-2008</b>	<b>EM:</b> (C) Policies for Energy and Materials Transitions, GEO4-2311 <b>ECE:</b> (B+C) Quantifying Ecosystem Resilience to Global Environmental Change, GEO4-2341 <b>ESG:</b> (C) Analysing Governance Practices, GEO4-2328 <b>PES:</b> (C) Social Innovation and Alternatives to Development, GEO4-2346



## Hiroshima University

1 credit at HU is equivalent to 2 ECTS

2 credits course consists of 15 classes (90min each, including exercise)

In case students want to choose courses other than the one below, they need approval of their academic advisor

To obtain a student visa, students must take at least 7 classes (10 hours) in a week (90 minutes per class)

### Semester 2 Specialisation track: Global Development Policy

---

Compulsory (select 30 ECTS)	Applied Econometrics I (2 credits)
	Applied Econometrics II (2 credits)
	Economic Statistical Analysis (2 credits)
	Urban Economics (2 credits)
	Human Resource Development (2 credits)
	Corporate Strategy (2 credits)
	International Cooperation (2 credits)
	International Finance (2 credits)
	Developing Designing Ability (2 credits)
	International Environmental Cooperation Studies (2 credits)
	Practical seminar on international cooperation project (2 credits)
	Research methods (2 credits)
	Game Theory (2 credits)

---

### Semester 2 Specialisation track: Science and Technology for Sustainable Development

---

Compulsory (select 30 ECTS)	Environmental Management (2 credits)
	Transportation Engineering (2 credits)
	Transportation Planning (2 credits)
	Sustainable Architecture A (2 credits)
	Sustainable Architecture B (2 credits)
	Energy Science and Technology (2 credits)
	Numerical Environmental Impact Assessment II (2 credits)
	Botany Resources for the Future (2 credits)
	Management and Conservation of Ecosystems (2 credits)
	Developing Designing Ability (2 credits)
	International Environmental Cooperation Studies (2 credits)
	Practical Seminar on International Cooperation Project (2 credits)
	Environmental Health Science (2 credits)
	Smart Urban Development (2 credits)

---

## University of Basel

In order to earn 30 CP you must register for several seminars/courses/lectures (total of 15 CP) and you must write 3 large essays ("seminar papers"; each rated 5 CP = total 15 CP).



To get the ordinary CP for having attended a seminar/course/lecture you must register for these classes. You have to do the final assessment according to the information in the course directory and the lecturer's instructions.

To earn the CP with the large essays (=seminar papers), you have to write three large essays (each 5 CP) on topics, based on three enrolled seminars. The topics always have to be chosen in accordance with the lecturer of the related seminar (=supervisor). Seminar papers are only possible related to seminars you have enrolled for and which are marked with an \* in the course list. The length of a seminar paper is approx. 20 pages or 9,000-11,000 words.

Please note that you must discuss your choice for the 30 CP with PD Dr. Basil Bornemann (academic coordinator, [basil.bornemann@unibas.ch](mailto:basil.bornemann@unibas.ch)) at the beginning of the semester.

---

### **Social science courses offered by the Master's Degree in Sustainable Development spring semester 2024**

---

- Sustainability: A new Societal Paradigm? (lecture, 3 CP)
  - Training for Sustainability Research (project, 6 CP)
  - Qualitative Research in Sustainability Science (course, 3 CP)
  - \*Governance of Sustainable Development (seminar, 3 CP)
  - \*Changing Individual Energy Behaviour - Approaches & Strategies (seminar, 3 CP)
  - \*Current Topics in Social Science Based on Sustainability Research (seminar, 3 CP)
  - Interdisciplinary Approach to Sustainability (course, 3 CP)
  - \*Sustainability Governance in International Value Chains (seminar, 3 CP)
- 

### **Other social science courses from other disciplines are also eligible for you, e.g.:**

---

- \*Sozial-ökologische Transformationen: theoretische Konzepte, empirische Befunde und politische Gestaltungsansätze (seminar, 3 CP)
  - Urban Afterlives of Resource Extraction Landscapes (seminar, 3 CP)
-