

Exchange Courses Master Department of Sustainable Development 2024-2025

click on the course code for more information

Course Code	Course Name	Slot	Admission requirements*	Early Exit
Period 1 September - November				
GEO4-2323	Environmental ethics and SD	1-A		
GEO4-2259	Innometrics	1-A		
GEO4-2009	Innovation and International Development	1-A		
GEO4-2347	Global Governance of the Earth System	1-B		
GEO4-2522	Energy in the Built Environment	1-B	Basic principles of energy flows in the built environment, i.e. electricity, heat and gas networks. Basic knowledge on power system planning & operation and electricity markets.	
GEO4-2526	Energy Conversion Technologies	1-C	Elementary thermodynamics and calculus; NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2310	Global Environmental Change	1-C		
GEO4-2326	Tools for Energy & Materials Analysis	1-C	Course in energy analysis (GEO3-2223) or similar	
GEO4-6008	Sustainable Water Resources Management	1-C		
GEO4-2344	Introduction to Political Ecology	1-C	NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2268	Innovation Management	1-C	NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2010	Imagining the Future for Transformation	1-C	NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2521	Bio-based Economy	1-D	knowledge of biochemistry, basic understanding of how energy systems work, Energy analysis, Life cycle assessment and sustainable development	
Period 2 November - January				
GEO4-6001	Quantitative Water Management	2-A	Natural science bachelor degree; knowledge of hydrology	For 3 EC: all assignments until Christmas. For 7,5 EC: complete the course and take exam in Remindo from home
GEO4-2257	Innovation Systems and Processes	2-A		1,5 EC; individual assignments
GEO4-2610	Corporate Sustainability and Change Management	2-A	Knowledge of Innovation Management (GEO4-2268); NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	2,5 EC; submit the first group assignment before Christmas
GEO4-2339	Natural Resource Management and Society	2-A+D	NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	3 EC; individual paper
GEO4-2011	Data Analytics for Sustainability	2-A+D	Background in sustainability. NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	3,75 EC; complete module 1
GEO4-2338	Squaring the Circular Economy	2-B	Basic background in natural sciences	3,75 EC; complete the group work (provided you have made arrangements with the other group members and contributed enough to the final product).
GEO4-2602	Sustainability Assessment and Management Tools	2-B	Natural science bachelor degree, affinity with sustainability and innovation, life cycle assessment. NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	3 EC; individual assignment (short paper)
GEO4-2270	Quantitative Innovation Analytics	2-C	Knowledge of GEO4-2268 and GEO4-2259	3 EC; pass 3 assignments (average satisfactory grade)
GEO4-2005	Sustainable Food Systems	2-C	NO MORE THAN 10 EXCHANGE STUDENTS ADMITTED	2,5 EC; follow all classes and write an essay
GEO4-2508	Advanced Energy Analysis	2-C	Knowledge of Energy Analysis and calculus	7,5 EC; take home exam
GEO4-2332	Governance Theories	2-D	Basic knowledge of governance and policy issues. NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	4,5 EC; pass the exam before Christmas
GEO4-2340	Integrated Assessment of Climate Change	2-D	Natural science bachelor degree, e.g. earth sciences, physics, chemistry	3 EC; pass 3 assignments
Period 3 February - April				
GEO4-2258	Societal Challenges & Innovation Theory	3-A	Knowledge of GEO4-2257 and GEO4-2268	
GEO4-6002	Water, Governance and Law	3-A		
GEO4-2304	Research strategies ESG	3-B	Only for SUSD Joint Programme ESG students	
GEO4-2303	Environmental Systems Analysis	3-B	Knowledge of mathematics and modelling	
GEO4-2260	Qualitative Innovation Analytics	3-B		
GEO4-2312	Energy Supply Technologies	3-B	Courses in energy analysis, applied thermodynamics, knowledge of GEO4-2326	
GEO4-2345	Research Methods PES	3-B	Only for SUSD Joint Programme PES students	
GEO4-2314	Research design SD	3-C	Only for SUSD Joint Programme students	
GEO4-2611	Governance and Sustainability Transitions	3-C	NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2515	Energy Systems Modelling	3-D	Knowledge of Energy Analysis	
GEO4-6007	Water Quality Management	3-D	General knowledge of the basic principles of chemistry incl. thermodynamics.	
Period 4 April - June				
GEO4-2341	Quantifying Ecosystem Resilience to Global Environmental Change	4-B+C	Only for SUSD Joint Programme ECE students	
GEO4-2311	Policies for Energy & Materials Transitions	4-C	Basic quantitative skills for analysing the energy and materials system (e.g. energy statistics, decomposition analysis, investment analysis)	
GEO4-2346	Social Innovation and Alternatives to Development	4-C	Knowledge of Political Ecology. NO MORE THAN 5 EXCHANGE STUDENTS ADMITTED	
GEO4-2348	Theories of Change in Action	4-C	Only for SUSD Joint Programme ESG students	

* Master courses are only open to students holding a relevant Bachelor's degree

