

Study Programme

Environmental and Resource Management - M.Sc.

Stand: Winter Semester 2023/2024

Mandatory Modules for all Students:

41421 Introduction to ERM II - 6 CP

41514 Study Project - 12 CP

List of Compulsory Elective Modules:

Code	Specialisation Area	Module No.	Module Title	Credit Points	Lecturer	Faculty	Semester rotation
001	Alle	13657	How to talk about nature?	6	Schwarz	5	Every semester
	Alle	13234	Communication of Science and Technology	6	Lee	5	Every semester
	Alle	14132	Multidimensional Approaches for Technology Assessment (New)	6	Lee	5	SoSe
EEPL 1	Environmental Economics, Planning and Law	11284	Advanced Studies of International Environmental Law	6	Albrecht	5	SoSe
EEPL 2	Environmental Economics, Planning and Law	12983	Climate Change and Migration	6	Ibrahim	5	SoSe
EEPL 3	Environmental Economics, Planning and Law	41405	Cost-Benefit Analysis in Environmental Evaluation	6	Wätzold	2	WiSe
EEPL 4	Environmental Economics, Planning and Law	11693	Ecological-Economic Modelling for Biodiversity Conservation	6	Wätzold	2	On special announcement
EEPL 5	Environmental Economics, Planning and Law	41427	Economics of Land Use and Biodiversity Conservation	6	Wätzold	2	WiSe
EEPL 6	Environmental Economics, Planning and Law	41422	Measuring Sustainability	6	Schmidt	2	WiSe
EEPL 7	Environmental Economics, Planning and Law	42417	Methods of Water Resources Management	6	Hinz	2	SoSe
EEPL 8	Environmental Economics, Planning and Law	43406	Municipal Solid Waste Management	6	Burkhardt	2	WiSe
EEPL 10	Environmental Economics, Planning and Law	41404	Strategic Environmental Assessment and Environmental Impact Assessment	6	Schmidt	2	WiSe
EEPL 11	Environmental Economics, Planning and Law	11463	Urban and Regional Planning	6	Gribat	6	SoSe
EEPL 12	Environmental Economics, Planning and Law	12971	Operations Research for Environmental and Resource Management	6	Fügenschuh	1	SoSe
EEPL 14	Environmental Economics, Planning and Law	13705	Sociology of Sustainable Development	6	Melanie Jaeger-Erben	5	SoSe
EEPL 15	Environmental Economics, Planning and Law	13706	Justice and Diversity in Environmental Change	6	Melanie Jaeger-Erben	5	WiSe
EEPL 16	Environmental Economics, Planning and Law	13655	Un/Disciplining Knowledge: Technology, Science, and Society in Transformation	6	Schwarz	5	WiSe
EEPL 17	Environmental Economics, Planning and Law	13770	Transition to Climate Neutrality - An Economic Perspective	6	Hoffmann	5	Inaktiv
EEPL 18	Environmental Economics, Planning and Law	13833	Analysis and modelling of human-environment systems	6	B. Müller	2	WiSe
EEPL 19	Environmental Economics, Planning and Law	13796	Just Energy Transition	6	Hirschl	5	WiSe
EE 1	Environmental Engineering	13517	CFD Seminar	6	Schmidt, Heiko	3	Every semester
EE 3	Environmental Engineering	11510	Hydrology & Hydraulics	6	Molkenthin	2	SoSe
EE 4	Environmental Engineering	11229	Information Management in Hydroinformatics Systems	6	Molkenthin	2	WiSe
EE 5	Environmental Engineering	11228	Modelling Process in Hydroengineering Projects	6	Molkenthin	2	WiSe
EE 6	Environmental Engineering	42421	Natural Resource Investigation	6	Herd	2	WiSe
EE 7	Environmental Engineering	11225	Numerical Simulation: Free Surface and Groundwater Modelling	6	Molkenthin	2	WiSe
EE 8	Environmental Engineering	35303	Power System Economics I	6	Zundel	5	WiSe
EE 9	Environmental Engineering	12165	Renewable Energy Technologies for Power Supply	6	Krautz	3	WiSe
EE 10	Environmental Engineering	44107	Safety- and Risk-Analysis for Process Plants	6	Arellano-Garcia	3	SoSe
EE 11	Environmental Engineering	44419	Wastewater and Sludge Treatment	6	Martenssen	2	WiSe
EE 12	Environmental Engineering	13515	Advanced Methods in Process, Energy and Systems Engineering	6	Arellano-Garcia	3	SoSe
EE 13	Environmental Engineering	12989	Process System Technology II	6	Arellano-Garcia	3	SoSe
EE 14	Environmental Engineering	13655	Un/disciplining Knowledge: Technology, Science, and Society in Transformation	6	Schwarz	5	Every semester
EE 15	Environmental Engineering	13664	Soil Reclamation and Landscape Restoration	6	Freese	2	SoSe
EE 16	Environmental Engineering	13251	Introduction to computational thinking and programming for CFD	6	H. Schmidt	3	SoSe
EE 17	Environmental Engineering	13249	Introduction to gas dynamics	6	H. Schmidt	3	SoSe
EE 18	Environmental Engineering	13831	Process Simulation in Chemical and Process Engineering	6	Arellano-Garcia	3	WiSe
EE 19	Environmental Engineering	13832	Optimization in Process and Energy Systems Engineering	6	Arellano-Garcia	3	WiSe
EE 20	Environmental Engineering	13929	Highly porous materials	6	Klepel	2	SoSe
EE21	Environmental Engineering	14069	Biomass and Bioenergy	6	Hirschl	5	WiSe
ES 1	Environmental Sciences	12759	Multifunctional Landuse	6	Freese	2	SoSe
ES 2	Environmental Sciences	13298	Basics for Freshwater Management	6	Mutz	2	WiSe
ES 3	Environmental Sciences	41406	Environmental Modelling	6	Hinz	2	SoSe
ES 4	Environmental Sciences	42505	Freshwater Restoration Ecology	6	Motz	2	SoSe
ES 5	Environmental Sciences	41217	General and Applied Ecology	6	Birkhofer	2	WiSe
ES 6	Environmental Sciences	12826	Mathematical Data Science	6	Hartmann	2	On special announcement
ES 7	Environmental Sciences	12261	Ecological Excursion	12	Birkhofer	2	WiSe
ES 9	Environmental Sciences	12959	Geopedology	6	Raab	2	WiSe
ES 10	Environmental Sciences	12942	Introduction to Climate Variability and Climate Change Projections	6	Will	2	WiSe
ES 11	Environmental Sciences	13221	Land surface - Atmosphere Interactions	6	Trachte	2	WiSe
ES 12	Environmental Sciences	13046	Microclimates	6	Trachte	2	SoSe
ES 13	Environmental Sciences	41111	Parasites	6	Wanner	2	WiSe
ES 15	Environmental Sciences	13300	Environmental Data Science	6	Ryo	2	WiSe
ES 16	Environmental Sciences	13653	Atmospheric Water	6	Trachte	2	WiSe
ES 17	Environmental Sciences	13663	Environmental Soil Science and Plant Nutrition	6	Freese	2	WiSe
ES 18	Environmental Sciences	13580	Systems and Process Hydrology	6	Hinz	2	WiSe
ES 19	Environmental Sciences	13737	Practical course aquatic Ecology	6	Martin-Creuzburg	2	SoSe
ES 20	Environmental Sciences	13837	Agro-ecosystems analysis and modelling	6	Webber	2	SoSe
ES 21	Environmental Sciences	13955	Geomorphology	6	Raab	2	SoSe