Environmental Sciences: Specialisation in Environmental Monitoring and Pollution Assessment (M.Sc.)

Module overview | Start in winter term

Version: 11.10.2022 | Examination regulations: 2022

UNIVERSITÄT TRIER

1	2	3	4
5 CP Environmental Systems Analysis	5 CP Environmental Chemistry and Risk Assessment	5 CP Ecotoxicological Effects of Environmental Pollutants	30 CP Master's Thesis
5 CP Multivariate Statistics	5 CP Aquatic Pollution Assessment	10 CP Research Project	
5 CP Optional Module (see right)	5 CP Environmental Analytical Chemistry		
5 CP Optional Module (see right)	5 CP Regional Biomonitoring Project	5 CP Optional Module for Specialisation (see next page)	
5 CP Optional Module (see right)	5 CP Optional Module for Specialisation (see next page)	5 CP Optional Module for Specialisation (see next page)	
5 CP Optional Module (see right)	5 CP Optional Module for Specialisation (see next page)	5 CP Optional Module for Specialisation (see next page)	

Compulsory Modules (45 CP)

Concluding Module (30 CP)

Optional Modules (20 CP)

Optional Modules (25 CP)

Optional Modules, first semester

5 CP Introduction to Geoinformatics
5 CP Fundamentals of Environmental Remote Sensing
5 CP Atmospheric Boundary Layer
5 CP Geological Hazards, Risk Assessment and Management
5 CP Advanced Aspects of Environmental Soil Science

Environmental Sciences: Specialisation in Environmental Monitoring and Pollution Assessment (M.Sc.)

Module overview | Start in winter term

Version: 06.03.2023 | Examination regulations: 2022

UNIVERSITÄT TRIER

Optional Modules for specialisation, second semester

5 CP Soil Biology and Soil Functioning	5 CP Advanced Remote Sensing Data Processing and Analysis
5 CP Interdisciplinary Excursion or Field Project	5 CP Physical Monitoring of Litho- and Hydrosphere
5 CP Polluted Site Remediation	5 CP Landsurface Athmosphere Interactions
5 CP Vegetation Ecology	5 CP Sustainable Chemistry
5 CP Global Climate Change and Energy Resources	5 CP Monitoring and Remote Sensing in Meteorology

Optional Modules for specialisation, third semester

5 CP Geo Statistics	5 CP Fluvial Hydrology
5 CP Soil Use and Sustainable Management	5 CP Paleoclimate and Paleoenvironmental Changes
5 CP Environmental Monitoring Strategies	
5 CP Socio Hydrology	
5 CP Ecosystem Remote Sensing and Modelling Concepts (Part a & b)	

Environmental Sciences: Specialisation in Environmental Remote Sensing (M.Sc., Master Degree Programme)

Module overview | Start in winter term

Version: 06.03.2023 | Examination regulations: 2022

UNIVERSITÄT TRIER

Compulsory Modules (20 CP)

Concluding Module (30 CP)

Optional Modules (20 CP)

Specialisation in Environmental Remote Sensing (30 CP)

Optional Modules (20 CP)

Environmental Sciences: Specialisation in Environmental Remote Sensing (M.Sc.)

Module overview | Start in winter term

Version: 17.10.2022 | Examination regulations: 2022

UNIVERSITÄT TRIER

Optional Modules for specialisation, second semester

5 CP Vegetation Ecology	5 CP Global Climate Change & Energy Resources
5 CP Interdisciplinary Excursion *or* Field Project	5 CP Nature Conservation, Restoration and Protection
5 CP Environmental Management and Resource Economics	5 CP Numerik für Geowissenschaftler
5 CP Monitoring and Remote Sensing in Meteorology	5 CP Landsurface Atmosphere Interations
5 CP Numerical Modelling in Meteorology – Part 1	

Optional Modules for specialisation, third semester

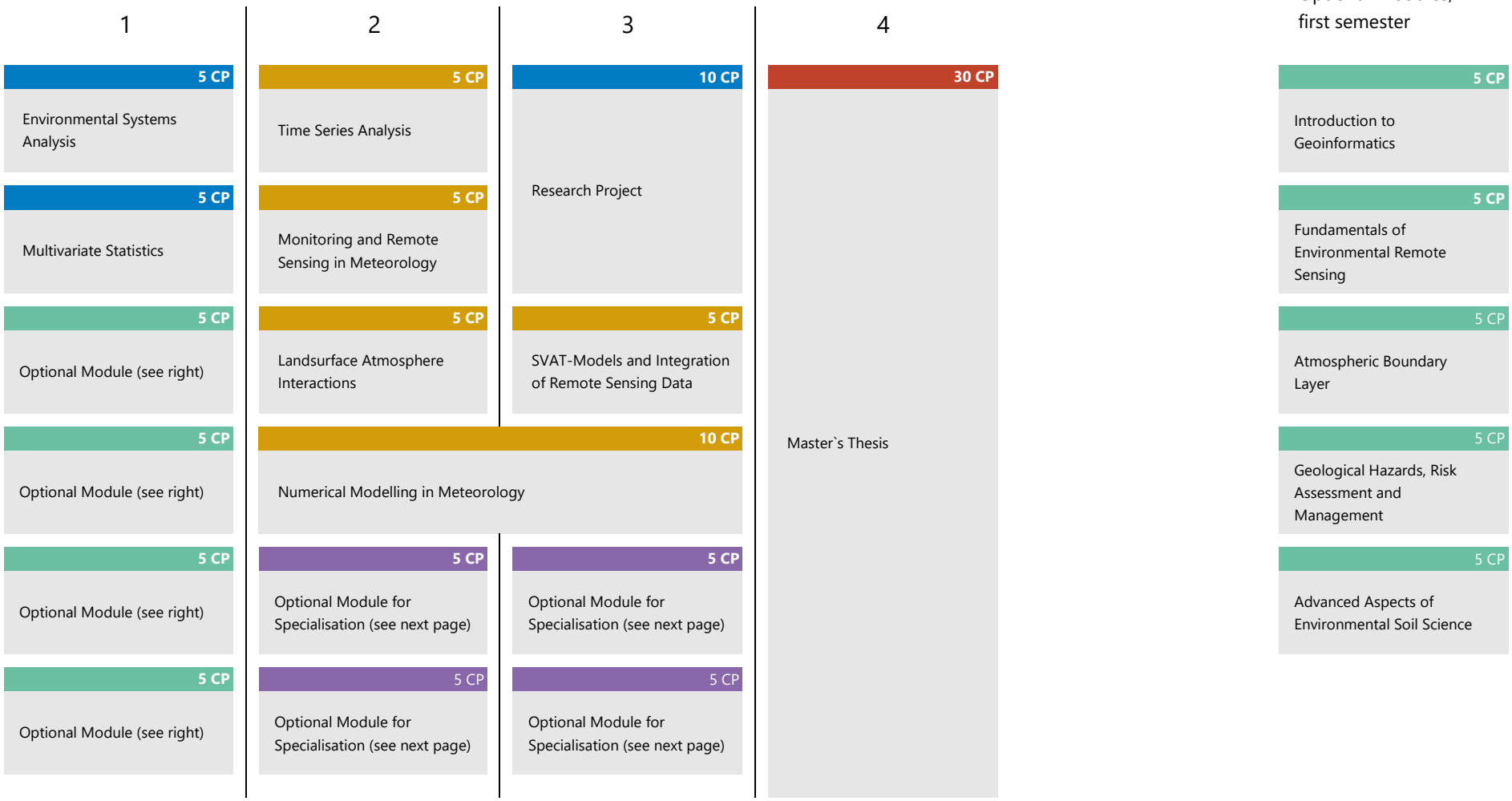
5 CP Geostatistics	5 CP Socio Hydrology
5 CP Soil Use and Sustainable Management	5 CP Environmental Monitoring Strategies
5 CP Paleoclimate and Paleoenvironmental Changes	5 CP Population Ecology
5 CP Environmental Management & Resource Economics	5 CP SVAT Models and Integration of Remote Sensing Data
5 CP Numerical Modelling in Meteorology – Part 2	

Environmental Sciences: Specialisation in Environmental Meteorology (M.Sc., Master Degree Programme)

Module overview | Start in winter term

Version: 06.03.2023 | Examination regulations: 2022

UNIVERSITÄT TRIER



Optional Modules, first semester

- 5 CP — Introduction to Geoinformatics
- 5 CP — Fundamentals of Environmental Remote Sensing
- 5 CP — Atmospheric Boundary Layer
- 5 CP — Geological Hazards, Risk Assessment and Management
- 5 CP — Advanced Aspects of Environmental Soil Science

Compulsory Modules (20 CP)

Concluding Module (30 CP)

Optional Modules (20 CP)

Specialisation in Environmental Meteorology (30 CP)

Optional Modules (20 CP)

Environmental Sciences: Specialisation in Environmental Meteorology (M.Sc.)

Module overview | Start in winter term

Version: 17.10.2022 | Examination regulations: 2022

UNIVERSITÄT TRIER

Optional Modules for specialisation, second and third semester

5 CP Vegetation Ecology	5 CP Global Climate Change and Energy Resources
5 CP Interdisciplinary Excursion or Field Project	5 CP Nature Conservation, Restoration and Protection
5 CP Environmental Manage-ment and Resource Economics – Part 1	5 CP Numerik für Geowissenschaftler
5 CP Geospatial Data Analysis: Advanced GIS	5 CP Advanced Remote Sensing Data Processing and Analysis
5 CP Ecosystem Remote Sensing and Modelling Consepts – Part 1	

Optional Modules for specialisation, third semester

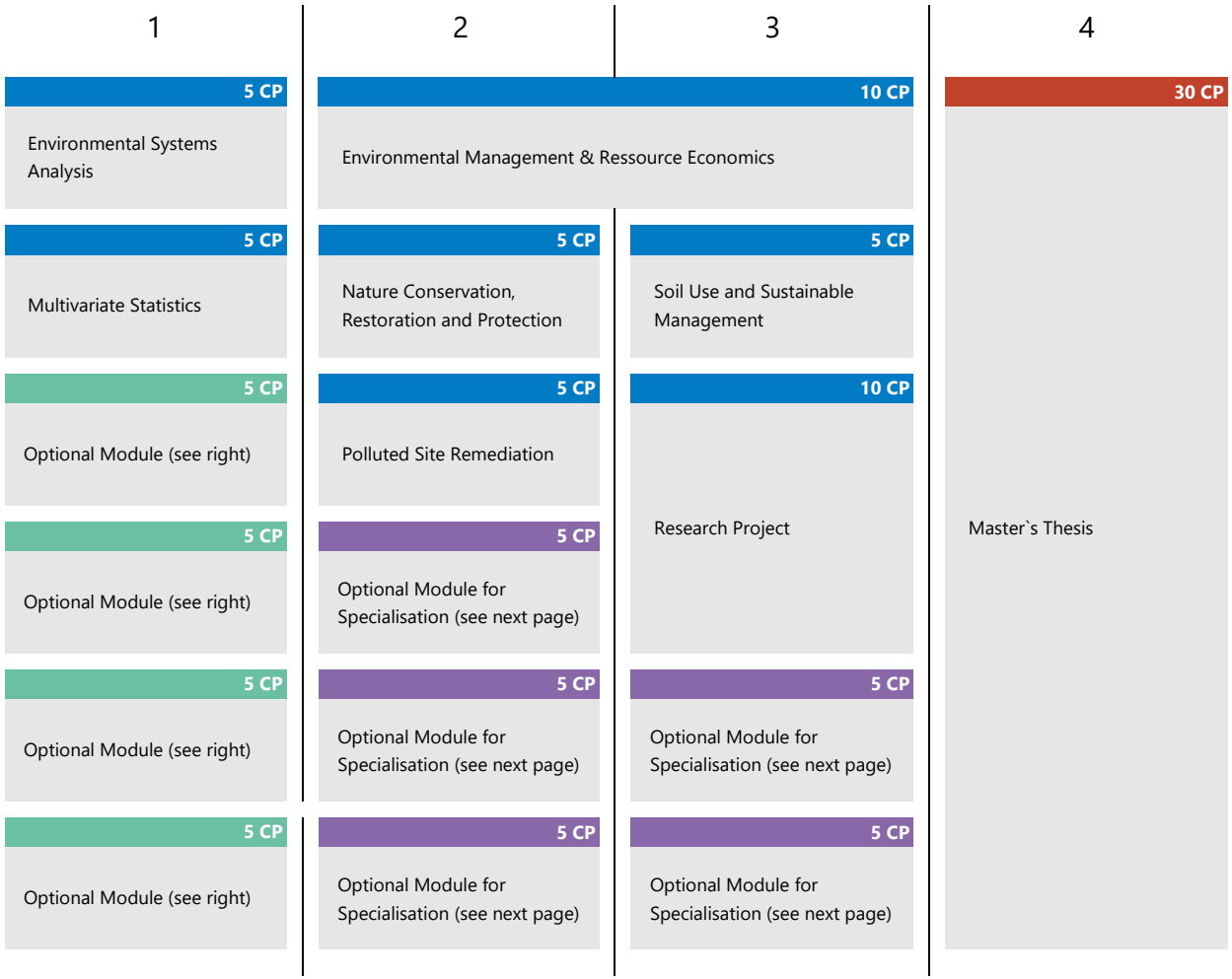
5 CP Geostatistics	5 CP Socio Hydrology
5 CP Soil Use and Sustainable Management	5 CP Environmental Monitoring Strategies
5 CP Paleoclimate & Paleoenvironmental Changes	5 CP Population Ecology
5 CP Environmental Management and Resource Economics – Part 2	5 CP Remote Sensing of Global Chance Processes
5 CP Ecosystem Remote Sensing and Modelling Consepts – Part 2	

Environmental Sciences: Specialisation in Environmental Conservation and Restoration Management (M.Sc.)

Module overview | Start in winter term

Version: 10.10.2022 | Examination regulations: 2022

UNIVERSITÄT TRIER



Optional Modules, first semester

5 CP
Introduction to Geoinformatics

5 CP
Fundamentals of Environmental Remote Sensing

5 CP
Atmospheric Boundary Layer

5 CP
Geological Hazards, Risk Assessment and Management

5 CP
Advanced Aspects of Environmental Soil Science

Compulsory Modules (45 CP)

Concluding Module (30 CP)

Optional Modules (20 CP)

Optional Modules (25 CP)

Environmental Sciences: Specialisation in Environmental Conservation and Restoration Management (M.Sc.)

Module overview | Start in winter term

Version: 17.10.2022 | Examination regulations: 2022

UNIVERSITÄT TRIER

Optional Modules for specialisation, second semester

5 CP Vegetation Ecology	5 CP Interdisciplinary Excursion *or* Field Project
5 CP Sustainable Chemistry	5 CP Environmental Chemistry
5 CP Advanced Remote Sensing Data Processing and Analysis	5 CP Aquatic Pollution Assessment
5 CP Physical Monitoring of Litho- and Hydrosphere	5 CP Environmental Analytical Chemistry
5 CP Global Climate Change and Energy Resources	5 CP Ecosystem Remote Sensing and Modelling Concepts – Part 1
5 CP Soil Biology & Soil Functioning	

Optional Modules for specialisation, third semester

5 CP Ecotoxicological Effects of Environmental Pollutants	5 CP Geo Statistics
5 CP Environmental Monitoring Strategies	5 CP Ecosystem Remote Sensing and Modelling Concepts – Part 2
5 CP European Environmental Law	5 CP Bodenerosion unter globalem Wandel
5 CP Socio Hydrology	