

| Code | Course name | Cr | Period | Teaching language | Form of teaching | Open to students of other degree programmes | Open to exchange students | Open university studies |
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| Compulsory courses for all study tracks | | | | | | | | |
| ATM301 | Atmospheric and Earth Sciences Today | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM345 | Atmospheric science seminar for Master's students | 5 cr | 1.-4. period | English | blended teaching | no | no | no |
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| Optional Advanced Studies – common to all study tracks | | | | | | | | |
| ATM360 | First Steps in Biosphere-Atmosphere Modelling | 5 cr | 10-21.8.2026 | English | contact teaching | yes, but limited | no | no |
| ATM5001 | Statistical Analysis of Environmental Field Measurements | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM-202630-04 | Project management | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM378 | Sustainable.now | 5 cr | 1. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM309 | Analysis of atmosphere-surface interactions and feedbacks | 5 cr | 19.-30.10.2026 | English | contact teaching | yes, but limited | no | no |
| ATM302 | Climate.now (5 cr version) | 5 cr | 2. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM306 | Basics of atmospheric chemistry | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM389 | Living with changing climate | 5 cr | 2. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM322 | Meteorological observation systems | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM335 | Geophysics of Snow and Ice | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM373 | Leadership for Sustainable Change | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM379 | SystemsChange.now | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM382 | ClimateComms.now | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM404 | Environmental and Climate Regulation in the EU | 5 cr | 3. period | English | blended teaching | yes | yes | no |
| ATM317 | Hands-on weather and climate modelling | 5 cr | 3.-4. period | English | contact teaching | yes | yes | no |
| ATM341 | Polar Oceans and Ice | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM380 | Solutions.now | 5 cr | 4. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM384 | Integrating art and science | 5 cr | May intensive period | English | contact teaching, field course | yes, but limited | no | no |
| ATM386 | Climate.now (2 cr version) | 2 cr | all year round | English | Independent study, no teaching | yes | yes | yes |
| ATM397 | Forests and Climate Change | 2 cr | all year round | English | online teaching (not time-bound) | yes | yes | yes |
| ATM303 | Project course in atmospheric sciences | 3 or 5 cr | all year round | English | Independent study, no teaching | yes | yes | no |
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| Study track in Atmospheric Chemistry and Aerosol Physics | | | | | | | | |
| ATM360 | First Steps in Biosphere-Atmosphere Modelling | 5 cr | 10-21.8.2026 | English | contact teaching | yes, but limited | no | no |
| ATM304 | Aerosol Physics II | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM306 | Basics of atmospheric chemistry | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM318 | Aerosol measurement techniques | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM327 | Fine Particles in Occupational Environments | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | no |
| ATM320 | Mass Spectrometry in Atmospheric Sciences and Environment | 5 cr | 3.-4. period | English | contact teaching | yes | yes | no |
| ATM372 | Atmosphere of planets from our solar system and beyond | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM358 | Atmospheric photochemistry and reaction kinetics | 5 cr | 4. period | English | contact teaching | yes | yes | no |

See also courses of the Master's programme in Chemistry.

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| Study track in Biosphere-atmosphere cycles | | | | | | | | |
| ATM321 | Field Course in Micrometeorology and Hydrology | 5 cr | August 2026 | English | contact teaching | yes | yes | no |
| ATM309 | Analysis of atmosphere-surface interactions and feedbacks | 5 cr | 19.-30.10.2026 | English | contact teaching | yes, but limited | yes | no |
| ATM331 | Theory of Micrometeorological Flux Measurements | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| Check also courses offered by Master's programmes in Forestry, Agriculture and Environmental Change and Global Sustainability | | | | | | | | |
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| Study track in Physics of the hydrosphere | | | | | | | | |
| ATM321 | Field Course in Micrometeorology and Hydrology | 5 cr | August 2026 | English | contact teaching | yes | yes | no |
| ATM334 | Measurement Methods in Hydrospheric Geophysics | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM339 | Oceanography of the Baltic Sea | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM310 | Time Series Analysis in Geosciences | 5 cr | 2.-3. period | English | blended teaching | yes | yes | no |
| ATM333 | Turbulence Theory | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM335 | Geophysics of Snow and Ice | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM341 | Polar Oceans and Ice | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM343 | Glaciology | 5 cr | 4. period | English | contact teaching | yes | yes | no |
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| Study track in Meteorology | | | | | | | | |
| ATM357 | Atmospheric Radiation | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM348 | Dynamics of Atmospheric Flow Structures I | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM349 | Dynamics of Atmospheric Flow Structures II | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM354 | Cloud Physics | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM322 | Meteorological observation systems | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM352 | Synoptic Meteorology I | 5 cr | 2. period | English | contact teaching | yes | yes | no |
| ATM353 | Synoptic Meteorology II | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM315 | Numerical solution of shallow water equations | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM331 | Theory of Micrometeorological Flux Measurements | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM351 | Mesometeorology | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM355 | Atmospheric General Circulation | 5 cr | 3. period | English | contact teaching | yes | yes | no |
| ATM317 | Hands-on weather and climate modelling | 5 cr | 3.-4. period | English | contact teaching | yes | yes | no |
| ATM316 | Fusion of observations with numerical models | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM347 | Boundary Layer Physics I | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM362 | Stratospheric Dynamics and Chemistry | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM364 | Laboratory Course in Synoptic Meteorology | 5 cr | 4. period | English | contact teaching | yes | yes | no |
| ATM395 | Predictability of weather and ensemble forecasting | 5 cr | all year round | English | independent studying | yes | yes | no |
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| Study track in Climate and Sustainability | | | | | | | | |
| ATM378 | Sustainable.now | 5 cr | 1. period | English | distance teaching (time-bound) | yes | yes | yes |

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|---|---|------|------------------|---------|------------------------------------|------------------|-----|-----|
| ATM5001 | Statistical Analysis of Environmental Field Measurements | 5 cr | 1. period | English | contact teaching | yes | yes | no |
| ATM389 | Living with changing climate | 5 cr | 2. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM302 | Climate.now (5 cr version) | 5 cr | 2. period | English | distance teaching (time-bound) | yes | yes | yes |
| ECH303 | Statistical Tools for Climate and Atmospheric Science | 5 cr | 2. period | English | distance teaching (time-bound) | yes, but limited | no | no |
| ATM379 | SystemsChange.now | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM382 | ClimateComms.now | 5 cr | 3. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM380 | Solutions.now | 5 cr | 4. period | English | distance teaching (time-bound) | yes | yes | yes |
| ATM407 | Climate and sustainability competence portfolio | 2 cr | all year round | English | independent studying | yes | yes | no |
| Check alternative advanced course under the respective Master's prog. | | | | | | | | |
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| Climate University courses that are not listed above | | | | | | | | |
| ATM405 | Una Europa Virtual Exchanges for Sustainability (UnaVex) | 1 cr | 10-19.11.2026 | English | distance teaching (time-bound) | yes | yes | no |
| ATM405 | Una Europa Virtual Exchanges for Sustainability (UnaVex) | 1 cr | 24.11.-2.12.2026 | English | distance teaching (time-bound) | yes | yes | no |
| ATM383 | Leadership for sustainable change | 2 cr | all year round | English | no lecturing, independent studying | yes | yes | yes |
| ATM385 | Introduction to sustainability | 3 cr | all year round | English | no lecturing, independent studying | yes | yes | yes |
| ATM387 | Political economy of Sustainability | 2 cr | all year round | English | no lecturing, independent studying | yes | yes | yes |
| ATM388 | Sustainability and the Arts | 1 cr | all year round | English | no lecturing, independent studying | yes | yes | yes |
| ATM406 | Sustainability: Social Sciences in the Face of the Anthropocene | 2 cr | all year round | English | no lecturing, independent studying | yes | yes | yes |
| ATM-202630-01 | Cluvex/UnaVEx -virtual exchange moderation 1 | 3 cr | November | English | moderator course | yes | yes | no |
| ATM-202630-02 | Cluvex/UnaVEx -virtual exchange moderation 2 | 1 cr | November | English | moderator course | yes | yes | no |
| ATM-202630-03 | Cluvex/UnaVEx -virtual exchange moderation 3 | 1 cr | November | English | moderator course | yes | yes | no |