

School of Science - Department of Geosciences
Bachelor degree course entirely taught in English in EARTH AND CLIMATE DYNAMICS
Study programme for students enrolled in the academic year 2023-2024

MANDATORY UNITS	Academic Year	Period	Credits	lecture hrs	practice hrs	laboratory hrs
Mathematics	1st year	1st semester	13	88	24	
Physics	1st year	1st semester	8	48	24	
Chemistry	1st year	1st semester	8	56		16
Geology and Paleontology	1st year	2nd semester	11	80		16
Mineralogy and Petrology	1st year	2nd semester	11	64		48
Dynamics of Hydrosphere, Atmosphere and Earth's Surface	1st year	2nd semester	12	88		16
Structural Geology and Earth's Geodynamics	2nd year	1st semester	11	80		16
Paleoclimatology, climatology and climate models	2nd year	1st semester	12	88		16
Methods for Earth observations and data management	2nd year	1st semester	7	40		32
Field monitoring and thematic mapping	2nd year	2nd semester	10	56		48
Georesources and sustainability	2nd year	2nd semester	10	72		16
Soil System Science	2nd year	2nd semester	6	48		
Geochemistry of Earth System	2nd year	2nd semester	8	64		
Global impacts of mass movements	3rd year	1st semester	6	40		16
Fluvial systems and extreme events	3rd year	1st semester	8	56		16
Ecosystems under climate changes	3rd year	1st semester	6	48		
Geohazards and risk analysis	3rd year	1st semester	8	56		16
Evolution of coastal systems	3rd year	1st semester	6	48		

FREE-CHOICE CREDITS	12
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INTERNSHIP/STAGE	3
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FINAL EXAM	4
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TOTAL CREDITS	180
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ATTENTION: Attendance is mandatory for lessons and for laboratories for at least 75% of the hours

Free-choice credits can be chosen among the university's educational offer as long as they are consistent with the educational path