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Earth, Life and Climate

Utrecht University

Master Postgraduate Utrecht

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Course description

Qualification Master of Science

Field of study Mathematics, natural sciences and computer science

Course summary Earth, Life and Climate is an interdisciplinary study of the processes that govern past, present and future climates, environments and biotic responses.

The programme Earth, Life, and Climate explores the fundamental processes which regulate the past, present, and future dynamics of sedimentary systems, biodiversity, and climate, as well as their evolution. It provides the knowledge to understand climate change and its impact on natural environments such as soils, sediments, lakes, groundwater, wetlands, estuaries, and oceans. The main topics include the evolution of life, the development of sedimentary basins, carbon sources and sinks, biogeochemical and geochemical fingerprinting of sedimentary processes/environments, and climate reconstruction. Students will learn state-of-the-art reconstruction methods, modelling techniques, and laboratory experiments used in a wide range of earth and beta science disciplines. These disciplines include biogeology, palaeontology, sedimentology, stratigraphy, environmental geochemistry, organic geochemistry, hydrology, physical geography, geology, biology, climate dynamics, and palaeoceanography. Students utilize these skills in their own research project or in the traineeships they undertake in preparation for an international career in applied or fundamental research.

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Study The courses in the first year prepare the student for his/her independent research, that includes reading relevant literature to formulate research questions and hypotheses, planning and performing the research, and presenting the work in an Master's thesis and an oral



subjects	presentation. It is optional to do a guided research that includes various research and learning activities such as small research projects, as well as attending summer schools, seminars, workshops and complementary courses.
Course objectives	-
ECTS credits	120.00
Duration	24 month(s) full-time
Language of instruction	English
Instruction modes	literature study, oral presentation, research, research project, excursion, research proposal, tutorial, lecture, working group, group assignment, workshop, poster presentation, individual assignment, practicum, self study, project, laboratory work, seminar
Accreditation	-

About the institution

Department	Faculty of Geosciences
Information about the institution	Commitment, inspiration, ambition and independence are Utrecht University's core values. The University fosters its academic community through investment in staff and students.

Admission

Admission requirements	
Language requirements	
Professional experience required	-
Duration	24 month(s) full-time
Application deadlines	Start date EU/EEA Students Non-EU/EEA students
	1 Sep 2020 1 Jun 2020 1 Apr 2020 1 Sep 2021 1 Jun 2021 1 Apr 2021
Year	EU/EEA Non-EU/EEA Institutional
	2020 (FT) € 2143 € 20473 € 13553

In short, the following rules apply:

- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
- The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.



- Tuition fees
- The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
 - Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships -
For more scholarships, visit: www.grantfinder.nl

Course website [More information about the course](#)

Contact

studievoorlichting@uu.nl

Contact information for the study programme **mastervoorlichting Geowetenschappen**
Communications & Marketing
mscinfo.geo@uu.nl

Contact information for the institution
study info
studievoorlichting@uu.nl

Telephone number +31 (0) 30 2532670
Course website [More information about the course](#)
Institution website [More information about the institution](#)
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