



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Climate Physics

Kiel University • Kiel

Overview

Degree	Master of Science (MSc) in Climate Physics: Meteorology and Physical Oceanography
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are only held in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	The application period is expected to end 15 April for the following winter semester. Please consult the GEOMAR website https://www.geomar.de/studieren/msc-climate-physics/how-to-apply/ in January.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The study of climate physics (meteorology and physical oceanography) will provide students with advanced knowledge on atmosphere, ocean and the climate system using the terms and laws of physics. Students will become familiar with experimental and theoretical methods, and will be guided towards current research. The course will provide instruction on how to present physical context, how to critically access scientific problems, and how to apply modern methodology in experimental and theoretical climate physics. Mathematical methods are an indispensable tool for processing physical relations, and they are essential for the comprehension of physical context.

Course Details

Course organisation	The programme consists of lectures and seminars. The ECTS system allows for individual choices according to the programme guidelines.
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A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • International guest lecturers
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	<p>An enrolment fee ("Einschreibgebühr") of 55 EUR is charged for the first enrolment at Kiel University. A semester contribution ("Semesterbeitrag") currently amounting to 277 EUR must be paid each semester at Kiel University. This covers free public transport ("landesweites Semesterticket") for trains and buses in Schleswig-Holstein and Hamburg, reduced lunch prices, and other benefits for students.</p>
Costs of living	<p>The monthly costs of living in Germany are currently at least 934 EUR per month. Please note that when applying for a visa (from countries requiring a visa) and also later in Germany when extending a residence permit, financial means in the amount of the living costs for one year (11,208 EUR) must be proven.</p> <p>More information can be found here: www.international.uni-kiel.de/en/advising-activities-services/service-information/visa.</p>
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> • Bachelor's degree in Meteorology, Oceanography, Geophysics, or similar • 50 ECTS points in Mathematics and Physics • Proficiency in English • Applicants must hand in a personal statement explaining their reasons for choosing this programme. • Proof of programming skills in at least one programming language
Language requirements	<p>Proof of proficiency in English at level C1 CEFR (Common European Framework of Reference for Languages), unless you are a native English speaker or if the medium of instruction of your BSc degree was English, certified by:</p> <ul style="list-style-type: none"> • TOEFL® iBT (Internet-based test): at least 95 points, • at least IELTS Band 7, • Cambridge Certificate of Advanced English (CAE): grade C minimum,

- Cambridge English C2 Proficiency: Level C1 Advanced, or
- similar test

Application deadline

The application period is expected to end 15 April for the following winter semester. Please consult the GEOMAR website <https://www.geomar.de/studieren/msc-climate-physics/how-to-apply/> in January.

Submit application to

International applications will only be accepted via an online application platform. Please see: <https://www.geomar.de/studieren/msc-climate-physics/how-to-apply/>

Services

Possibility of finding part-time employment

Employment options include work as a student assistant at the research centre (few spaces, subject to availability).

Accommodation

Please find information on accommodation in Kiel on the following website: www.international.uni-kiel.de/en/advising-activities-services/service-information/accomodation-in-kiel/.



Kiel University Interfaces

Kiel University (CAU) uses research, teaching and the transfer of science to address the great challenges of our time in health, environmental and cultural change, technology and energy. In doing so, it ensures peace and preserves livelihoods for future generations.

» more:
https://www.youtube.com/watch?v=WYX_XFd0ROM

Kiel University

Kiel University

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Kiel University (also referred to as the CAU) was founded in 1665. It is Schleswig-Holstein's oldest, largest and best-known university, with 27,000 students and 3,700 staff members. It is also the only full-fledged university in the state. Seven Nobel Prize winners have worked here. The CAU has been successfully taking part in the Excellence Initiative since 2006.

We use research, teaching and the transfer of science to address the great challenges of our time in health, environmental and cultural change, nutrition and energy. In doing so, we ensure peace and preserve livelihoods for future generations. We use responsible actions to make sure that scientific discoveries are transferred into all sectors of our society by interdisciplinary thought – regardless of short-lived trends – where they are incorporated into political, economic and social decisions aimed at securing peace and prosperity.

When it was founded back in 1665, the CAU had the motto “Pax Optima Rerum: peace is the most valuable asset.” This maxim is as applicable today as it was over 350 years ago. We want to follow this key idea and contribute towards creating a peaceful, fair world in which everyone lives freely and comfortably. We aim to create a world in which treating the environment with respect also enables future generations to enjoy the same benefits.

CAU's mission:

Our mission is to deliver research and teaching that contribute to peace, prosperity and maintaining a pluralistic, free society as well as address the challenges we are facing. Our strong disciplines carry out this mission. The fulfilment of this mission requires interdisciplinary collaboration and involves transdisciplinary issues. We find solutions to today's pressing problems and implement these solutions together with stakeholders from society, industry and politics.

Teaching profile:

We are dedicated to research-based teaching and learning. Therefore, the development of new teaching approaches is evolving constantly at the interfaces between research from the different scientific disciplines. Students from all over the world benefit from this: research results are quickly integrated into programme curricula and our academic staff is trained in state-of-the-art teaching methods.

Research profile:

The CAU is Schleswig-Holstein's only full-fledged university with a major focus on research. Over time, four dynamic priority research areas have systematically developed. These are based on strong disciplines interacting together – Marine Science, Life Science, Societal and Cultural Change, and Nano Surface and Interface Science. Each individual research area makes a substantial contribution towards dealing with at least one of the grand challenges of our time.

Transfer profile:

A university is not an island. It is an entity that impacts on, with and for society in a number of ways, by offering space for new ideas, passing on knowledge and values, and enabling debates about controversial subjects. Universities train specialists, produce innovative products and start-ups, help companies to develop further and assist politics by giving advice and warnings. The CAU encompasses top quality, innovative science, a sense of responsibility and the transfer of knowledge. We advocate for the university's active role in society and aim to work closely together with the community to be the driving force behind regional, national and international development by looking for and finding pioneering solutions for our most pressing issues. This is the reason why we maintain a variety of active connections with our partners in science, industry, politics and society.

[Read more about our profiles.](#)



University location

The city of Kiel is located directly on the Baltic Sea coast and is the capital of the northernmost German federal state, Schleswig-Holstein. Famous for its sailing tradition, Kiel has hosted two Olympic sailing competitions. The city's annual "Kiel Week" is the world's largest sailing event and one of the biggest cultural festivals in northern Europe. Kiel's international flair is enhanced by its port, where Scandinavian ferries dock next to cruise liners and historic ships. Those who enjoy going out will benefit from the city's lively cultural life as well as the many clubs and bars to be found between the campus and the city centre. Kiel is a strong centre of science and research. Our students benefit from studying by the sea in a city that offers short distances and a wide range of leisure facilities by the waterside. It takes less than 20 minutes to get from the lecture hall to the beach. A fresh breeze on your face and the right books on hand create a great atmosphere for learning. The social conditions for studying in Kiel are excellent. Freshmen receive a welcome payment of 100 EUR when they come to Kiel to commence their undergraduate studies. Here, they have the opportunity to live in one of the many halls of residence, which are reasonably priced and situated close to the universities. In our bicycle-friendly city, not only the universities but also other inner-city locations can be reached conveniently by bike. The new scientific generation represents the most important resource for making Kiel, the state capital, fit for the future.

www.kiel.de

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🌐 Course website: <https://www.geomar.de/en/studying/msc-climate-physics>

📘 <https://www.facebook.com/kieluni>

🐦 <https://twitter.com/kieluni>

🌐 <https://www.linkedin.com/school/kieluni/>

📷 <https://www.instagram.com/kieluni/>

📺 <https://www.youtube.com/kieluni/>

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Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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