YOU WILL GAIN

• Competencies to work with interdisciplinary Arctic research, to identify future research opportunities and to engage in professional consultancy relating to the management of developments in Arctic communities.

• An understanding of the interaction between ecosystems, natural resources and commerce, and the ability to engage professionally with nature management and research from a sustainable perspective.

• Tools to evaluate the effects of climate change on humans and nature, including the ability to analyze and apply results, methods, data and theory in relation to Arctic geoscience.

• Competencies related to professional work with Arctic health and Arctic health systems.

Interdisciplinary Arctic coursework at UCPH

Five Arctic modules
FIVE ARCTIC MODULES
Interdisciplinary coursework focusing on the Arctic is available for those interested in the Arctic who want a broad understanding of the complex global and regional challenges often related to Arctic research. The coursework introduces participants to the nature, culture and society of the Arctic, as well as to current issues including climate change, Greenlandic self-government policy, safety, health, environment, resource use, etc.

WHO MAY PARTICIPATE?
All Master's degree level Danish and international students from UCPH or other Danish universities may participate. The only prerequisite is that you understand English. All teaching and course materials are in English.

The coursework consists of five modules. You may choose whether to take the modules individually, or as a single course. Each module is 7.5 ECTS.

INTRODUCTION TO ARCTIC GEOSCIENCE
The module provides a scientific introduction to climate, ice, geography, ecosystems and biogeochemical cycles. It provides you with a broad understanding of the processes and changes at play in the Arctic and the significance of global climate change.

INTRODUCTION TO ARCTIC ECOSYSTEMS
The module provides you with a broad introduction to the development and functioning of Arctic ecosystems, beginning with its animals, plants and microbes, and their special adaptations. There will be a focus on the consequences of climate change and on the effects of the increased exploitation of natural resources.

THE ARCTIC ECOSYSTEM IN A CHANGING WORLD
This module combines theoretical work along with fieldwork. The practical part takes place at the university’s field station in Western Greenland. The module is aligned with the courses, Introduction to Arctic Geoscience and Introduction to Arctic Ecosystems. An emphasis will be placed on independent group projects with a strong interdisciplinary approach. You should plan on paying for a share of this module.

ARCTIC NATURE AND SOCIETY
This module provides a broad introduction to the natural and cultural history of the Arctic, combined with a modern perspective on society and Arctic inhabitants. The course deploys case studies having to do with natural resources, as well as the interaction between law, anthropology, the humanities, political conditions and future possibilities for the Arctic.

ARCTIC HEALTH
The module provides you with insight into Arctic health challenges, health systems, as well as frameworks for health management in small populations and sparsely populated areas.

You can read more about registration and the individual modules at kurser.ku.dk