

Høst 2022

SVF-8602 Changing Arctic - 2 stp

The course is administrated by

Norges fiskerihøgskole

Type of course

The course can be taken as a singular course. Priority will be given to PhD students enrolled in the Changing Arctic Research School.

Course contents

Involve students in cutting edge Arctic sustainability and resilience issues. To understand and discuss societal challenges within food security, sustainable energy, health and wellbeing upon the students' PhD plans and theses. Provide framework to improve student's communication and writing skills including discussing research and publications plans.

Application deadline

PhD students at UiT apply for a seat by registering for classes in StudentWeb before 1. September. The registration starts 15. May.

Other applicants apply for admission through SøknadsWeb before 1. June.

Application code 9301. For applicants who are granted a seat, a study right will be created, and these applicants apply for a seat by registering for classes in StudentWeb before 1 September.

Admission requirements

Accepted at a PhD program at UiT. Priority will be given to PhD students enrolled in the Changing Arctic Research School.

Objective of the course

Upon completion of the course, participants will have developed

Knowledge:

- specialized knowledge of how the own PhD project relates to societal challenges in the Arctic (including key concepts, issues, and frameworks)
- substantial insight into sustainable development in food security, renewable energy, health and wellbeing in the Arctic.
- knowledge of key concepts and frameworks related to resilience and transformation of socio-economic systems in the Arctic, including adaptation measures
- advanced knowledge in how to perform in international, diverse and interdisciplinary teams for successful problem solving.
- general understanding of opportunities and challenges for integration across different disciplines, sectors and levels of governance to advance sustainable development in the Arctic

Skills:

- critically analyze scientific work and presentations, and provide constructive critique
- use relevant methods to conduct scholarly work on practical and theoretical problems individually and in teams.
- cooperate effectively with others and facilitate collaborative teamwork to advance common goals
- integrate knowledge from different arenas to analyze problems and propose solutions within the transdisciplinary field of Arctic sustainability

General competence:

- apply above knowledge and skills to carry out advanced assignments
- communicate effectively about the own PhD project and issues and challenges, connected to the changing Arctic, to colleagues and to public audiences
- apply ideas on transdisciplinary, innovation, Arctic resilience and transformation to advance sustainability within the PhD students own context
- analyze relevant academic work, and constructively develop ideas with peers and actors from private and public sector

Language of instruction

English

Teaching methods

The seminars will be conducted every second week:

1) Every four weeks the seminar is common with Universities in Umeå and Rovaniemi. The topics of the seminars, names of lecturers, and any pre reading will announced a month before the event. After lecture/s students will work in international groups in break out rooms responding on seminar questions and assignments.

2) Every second week UiT students only will attend the seminar. A speaker (sometimes a student who present their project) will challenge the students to oppose and then jointly address a challenge in the Arctic.

As some of the students are not on Campus Tromsø we will provide a Teams connection for students at other Campuses.

Date for examination

Oral exam 01.12.2022; Oral exam 01.12.2022

The date for the exam can be changed. The final date will be announced at your faculty early in May and early in November.

Vår 2023

SVF-8600 Philosophy of science and ethics - 6 stp

The course is administrated by

Norges fiskerihøgskole

Type of course

This course cannot be taken as a singular course. This course is recommended as part of the compulsory credits in philosophy of science and research ethics within the instruction component of the PhD programs in natural and social sciences.

Course overlap

HEL-8040 Theory of science, research ethics and research design 3 stp

Course contents

The course aims to introduce the participants to core issues in the philosophy and ethics of science. The course will convey different concepts and positions regarding the demarcation of science from non-science, the nature of the scientific method, theories of explanation and confirmation, the rationality and progress of theory change, modelling and inference under uncertainty, the role of science and technology in society, and the ethical responsibilities of scientists.

Application deadline

Apply for admission by registering for class in StudentWeb before 15. December.

Admission requirements

The course is open for UiT students admitted to a PhD program. Priority will be given to PhD students from the BFE faculty, PhD students from the NT faculty, PhD students from other faculties at UiT, and PhD students from UNIS. The number of participants is limited to 50.

Contact Ingjerd Gauslaa Nilsen (ingjerd.nilsen@uit.no) at the BFE-faculty if you have any questions regarding course registration or other queries.

Objective of the course

By the end of the course, students will be expected to understand:

Knowledge and understanding. The candidate

- has knowledge of the philosophy of science, such as the demarcation problem, the debate among competing accounts of the scientific method, the problem of induction, and the concepts of paradigms and scientific revolutions
- understands the role and place of science and technology in modern societies

Skills. The candidate

- has theoretical and practical understanding of various ethical positions and the main ethical issues in research
- has the ability to communicate key philosophical and ethical concepts
- has the ability to engage in contemporary debates about the nature and role of science
- the ability to see their own research in a wider perspective, and to critically reflect upon the basic assumptions and challenges of their research projects

Expertise. The candidate

- knows how to write an essay on philosophy and/or ethics of science, relevant to their research practice and field
- is able to communicate with scientists from other fields with a clear and understandable language

Language of instruction

English

Teaching methods

Teaching runs as an intensive course over two weeks with 20 hours of lectures and 12 hours of group discussions and seminars. Course dates: 30.01.23-10.02.23.