



GÖTEBORGS UNIVERSITET

## Arctic in a Changing Climate, 5 credits

Course period: 4-29 Mars 2019 Lecturing week: 11-15 Mars	Last day for application: 2019-02-18
Course leader/Address for applications: Mats P. Björkman / mats.bjorkman@gu.se	
Course description (Advertisement for Ph.D. students):  The course will give graduate students a broad holistic knowledge about the Arctic and how systems are affected by the ongoing climate change and potentially feed back to the climate system. Lectures and seminars will cover several disciplines within Science (e.g. Atmosphere, Cryosphere, Terrestrial Ecology, Marine issues and Climate modelling) and aims to create a stimulating forum for graduate students with issues that force them to broaden their perspective from their own doctoral research. The course will further strengthen the scientific development of graduate student stripes within the Earth System Science and students will also gain in-depth knowledge of the ecological consequences of a changing Arctic. The course will also be launched for doctoral students in the graduate school ClimBEco organized by BECC and MERGE. The course is based on one lecturing week with preparation and after work from the home institute.  Week 1: Literature study (15-18 scientific papers) Week 2: Lecturing week: 5 x 3-4.5 h lectures, 5 x 1.5-4 h discussion sessions, group work, and article presentation Week 3: Preparation of written report Week 4: Student peer review of report and final hand in of report	
Responsible department and other participating departments/organisations: Department of Earth Sciences	
Teachers: Mats P. Björkman (Course leader and main contact) Robert G. Björk (Course leader)  Other teachers to be announced	
Examiner: Håkan Pleijel (Department of Biological and Environmental Sciences)	