Department of Meteorology

Stockholm University

Syllabus

for course at advanced level

Atmospheric Sciences, Oceanography and Climate, Degree Project
Meteorologi, oceanografi och klimat, självständigt arbete

45.0 Higher Education Credits
45.0 ECTS credits

Course code:	MO9002
Valid from:	Autumn 2009
Date of approval:	2008-09-01
Department	Department of Meteorology
Subject	Meteorology
Specialisation:	A2E - Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University 2008-09-01.

Prerequisites and special admittance requirements

Knowledge corresponding to a Bachelor's degree, as well as 30 HECs Second level courses in an area relevant for the project. Also required is knowledge equivalent to Swedish upper secondary school course English B or equivalent to one of the following tests; Cambridge CPE and CAE: Pass, IELTS: 6.0 (with no part of the test below 5.0), TOEFL (paper based): 550 (with minimum grade 4 on the written test part), TOEFL (computer based): 213, TOEFL (internet based): 79.

Course structure

Examination code	Name	Higher Education Credits
HELA	Atmospheric Sciences, Oceanography, Climate, Degree Project	45

Course content

The course consists of independently carrying out a research project or investigative project formulated together with an advisor. The course provides further knowledge about scientific methods. Central moments are planning, performing and reporting the project.

Learning outcomes

After taking this course the student should to be able to
- develop, concretize and plan a project, starting from an initial idea
- put the project into a scientific perspective
- evaluate, analysa and critically interpret a data set
- perform a goal-oriented scientific literaature search
- demonstrate an independent and scientific mode of work, where earlier acquired knowledge is used
- write a scientific report in English
- report and present scientific results orally
- carry out a project within the allotted time

Education

The teaching consists of a project carried out independently under the supervision of one or more teachers at the Department of Meteorology, and/or an external supervisor with research experience.

Forms of examination

a) Examination is done by oral and written presentation of the Degree Project b) Grading is done on a seven-step scale: A=excellent B=Very good C=Good D=Satisfatory E=Sufficient F=Unsatisfactory Fx=Entirely unsatisfactory. c) The grading criteria are handed out at the beginning of the course. d) For passing the course, at least grade E is required. e) Students that do not pass the regular examinaton have a right to attempt at least for further examinations as long as the course is given. As "examination" are understood also other compulsory parts of the course. Students that have passed an examination are not allowed to attempt another examination in order to receive a higher grade. Students that have failed an examination twice have a right to demand that another teacher is appointed to determine the grade. The request for this should be directed to the Board of the department.

Interim

Students may demand that the examination is performed according to this syllabys even after it has ceased to be valid. However, this may be done at most three times during the two years after the course was last given. The request for this should be directed to the Board of the department.

Limitations

The course may not be included in a degree together with Atmospheric Sciences, Oceanography and Climate, Degree Project, 30 HEC, MO9001, Atmospheric Sciences, Oceanography and Climate, Degree Project, 60 HEC, MO9003, Examensarbete i meteorologi, 20p, ME4130, Examensarbete i kemisk meteorologi, 20p ME4160, or Examensarbete i fysisk oceanografi, 20p, ME4170.

Misc

The course is a part of the Master's programme in Meteorology, Oceanography and Climate, but may also be taken as an individual course.

Required reading

The literature is based on scientific publications and reports in the relevant field obtained by the student by literature search as well as literature provided by the advisor.