UNIVERSITY OF GOTHENBURG

FACULTY OF SCIENCE

ES2521, Master Thesis in Atmospheric Science with orientation towards Environmental Sciences, 60,0 higher education credits

Miljövetenskap: Examenskurs i atmosfärsvetenskap med inriktning mot miljövetenskap, 60.0 högskolepoäng

Second Cycle

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1. Confirmation

The course syllabus was confirmed by Faculty of Science on 2007-06-30 and was last revised by Faculty of Science on 2010-11-01 to be valid from 2010-11-01.

Field of education: Science 100 %
Department: Department of Biological and Environmental Sciences

2. Position in the educational system

The course is given on an advanced level and assigned to be included in aMaster degree in Environmental Sciences. The course can be read as afreestanding course.

Main field of studies	*Specialization*
Environmental Science	A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

3. Entry requirements

The entrance requirements are a Bachelor of Science and at least a pass degree on the courses Atmospheric Science (NGN140) and Global Change (FIM900) or similar courses.

4. Course content

The course is designed as an individual work within a specific topic within atmospheric science. The course will provide opportunities to plan, conduct and report a project within the field of Atmospheric Science. The course can fully or partly be conduced at industry, authorities or research institute other than University of Gothenburg. However, the work should be established and discussed with researcher or teacher at University of Gothenburg. The participant must have a supervisor within the faculty of Science at University of Gothenburg.

5. Learning outcomes

1. Knowledge and understanding

After comletion of the course the student is expected to

- have developed a profound knowledge in a specific topic within atmospheric science.

2. Skills and abilities

After completion of the course the student is expected to be able to

- put results of a specific project into a broader context.
- have developed a good skill in planning and running a project within atmospheric science.
- report a specific project on advanced level both orally and in written.

3. Judgement and approach

After completion of the course the student is expected to be able to

- independently discuss and put atmospheric issues into contexts.

6. Literature

Course literature is selected individually in discussion with examiner and supervisor (s).

7. Assessment

The achieved learning goals are evaluated and examined on the student's achievements during the course and on the final written thesis and the concurrent oral presentation. The scientific results from the work are primarily not the basis for grading, unless the results could be connected to the performance of the work. Regardless of the results it is the planning, performance and reporting of the work that are to be evaluated. The work should normally be accomplished during the effective working time of 1 year/ 60 hec that is approximately 40 weeks of full time work.

Specifically it is the following criteria that are basis for the obtained Grade:

- Understanding of the imposed task
- Implementation of the experiments/field work/the theoretical task
- Knowledge of the theoretical background
- Interpretation and analysis of results
- Independence
- Oral presentation
- Written presentation

A student who has failed a test twice has the right to change examiners, if it is possible. A written application should be sent to the Department. In cases where a course has been discontinued or major changes have been made a student should be guaranteed at least three examination occasions (including the ordinary examination occasion) during a time of at least one year from the last time the course was given.

8. Grading scale

The grading scale comprises Fail (U), Pass (G), Pass with Distinction (VG).

Three grades according to the Swedish grade system are given: Fail, Pass and Pass with honours.

The course has two examination codes, each 30 hec. The first represents an assessment of the progress of the work after the first half of the period, while the second is based on the final written and oral presentations.

9. Course evaluation

10. Additional information

Language of instruction: English.

The language of instruction is English. The course may include time abroad.