



**Karolinska
Institutet**

Course syllabus for

Degree project in toxicology, 45 credits

Examensarbete i toxikologi, 45 hp

This course syllabus is valid from autumn 2013.

Please note that the course syllabus is available in the following versions:

Autumn2009 , Autumn2011 , Autumn2013 , Autumn2015

Course code	4TX006
Course name	Degree project in toxicology
Credits	45 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Toxicology
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Institute of Environmental Medicine
Decided by	Programnämnden för biomedicinprogrammen
Decision date	2009-05-06
Revised by	Programnämnd 7
Last revision	2013-03-21
Course syllabus valid from	Autumn 2013

Specific entry requirements

Lowest the grade Pass at all courses on semester 1 and 2 within the Master's Programme in Toxicology.

Objectives

The course intends to give the students possibility to under supervision and with independent work plan and carry out a laboratory or risk assessment-related project within the toxicological field.

Upon completion of the course, the student should be able to:

Knowledge and understanding

- acquire and critically review relevant scientific literature in support of broadening and deepening his or her knowledge of the chosen project and its toxicological field,
- plan a project and be able to explain the choice of methods to solve a pretended scientific issue,
- collect data and/or other relevant information for compilation and analysis.

Skills and ability

- show independent, critical and creative thinking,
- be able to apply adequate methods to solve a pretended scientific issue,
- be able to discuss his or her own work and evaluate its relevance in a broader scientific and societal perspective,
- be able to formulate new scientific issues arisen in connection with the implementation of the project,
- critically and objectively be able to assess others' scientific work and be able to give relevant feedback,
- be able to present his or her work in written and oral form.

Judgement and approach

- show a professional approach regarding time planning, collegial cooperation and connection between theoretical and practical expertise,
- in a reassuring way and with good order handle scientific material,
- carry out the project work on a research-ethical correct way.

Content

Individual work with experimental or risk assessment specialisation. An individual study plan, which also serves as project description, is established by the supervisor together with the student before the course start. Projects can also be carried out at another university or public authority than Karolinska Institutet or at a company.

Teaching methods

Individual work under supervision and participation in seminars and meetings where the project work is carried out. Studies of scientific literature according to the recommendation of supervisor and own assessment. Seminars, group discussions and study tour with other students in the course.

Examination

The examination consists of a written and oral presentation and a critical oral review. To pass with distinction, it is required that the written report obtains the grade passed with distinction. The supervisor's assessment is included in the assignment of the final grade.

Compulsary participation

A study trip, seminars and a presentation of degree projects are compulsory. The course director assesses if and how absence can be compensated. Before the student has participated in all compulsory parts or compensated absence in accordance with the course director's instructions, the student's results for respective part will not be registered in LADOK.

Project placement

The examiner may immediately suspend a student's project placement or equivalent if the student demonstrates serious deficiencies in knowledge, skills or attitudes in a way that trust with the partner may be damaged or broken.

Transitional provisions

After each course occasion there will be at least six occasions for the examination within a two-year period from the end of the course.

Other directives

The course language is English.

Course evaluation will be carried out in accordance with the guidelines established by the Board of Higher Education.

Literature and other teaching aids

Scientific literature of relevance for the project.