



Course syllabus for

## **Degree project in toxicology, 30 credits**

Examensarbete i toxikologi, 30 hp

This course syllabus is valid from autumn 2015.

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

[Autumn2009](#) , [Spring2013](#) , [Autumn2013](#) , Autumn2015 , [Autumn2016](#) , [Autumn2018](#) , [Autumn2020](#) , [Autumn2023](#) , [Autumn2024](#)

Course code	4TX007
Course name	Degree project in toxicology
Credits	30 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Toxicology
Level	AV - Second cycle
Grading scale	Fail (U), pass (G) or pass with distinction (VG)
Department	Institute of Environmental Medicine
Decided by	Programnämnden för biomedicinprogrammen
Decision date	2009-05-06
Revised by	Programme Committee 7
Last revision	2015-04-09
Course syllabus valid from	Autumn 2015

### **Specific entry requirements**

At least grade Pass for all courses in semesters 1 and 2 within the Master's Programme in Toxicology.

### **Objectives**

The course enables students to, under supervision and via independent work, plan and carry out a research or risk assessment-related project within the toxicological field.

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

Regarding 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 related toxicological field,
- demonstrate specialized methodological knowledge and understanding in the area of study,
- plan a project and be able to explain the choice of methods to solve a scientific issue,
- collect data and/or other relevant information for compilation and analysis,

Regarding skills and ability:

- show independent, critical and creative thinking,
- apply adequate methods to solve a stated scientific issue,
- critically evaluate and discuss the applied methodology,
- discuss his or her own work and evaluate its relevance in a broader scientific and societal perspective,
- formulate new scientific issues arisen in connection with the implementation of the project,
- critically and objectively assess others' scientific work and give relevant feedback,
- clearly present and critically discuss his or her work in written and oral forms, for the scientific community,
- clearly present his or her work in written form for laymen,
- reflect upon the ethical concerns of the project,

Regarding judgement and approach

- show a professional approach regarding time planning, collegial cooperation and the relationship between theoretical and practical expertise,
- carry out the project according to Karolinska Institutet's guidelines for ethically correct research,
- in a reliable way and with good order handle scientific material,
- identify needs for further knowledge, research and development within the area of study.

## Content

Individual work with research or risk assessment-related project. An individual project plan is written by the supervisor together with the student. The project work can be carried out at a university, public authority or company.

## Teaching methods

Individual work under supervision, but with a certain degree of independence, participation in seminars, meetings and other similar activities taking place where the work is carried out. Studies of scientific literature according to the recommendation of the supervisor and the student's own assessment. Seminars, group discussions and study visit with other students in the course.

## Examination

The examination consists of a written report and oral presentation and discussion of the report. The examiner sets the grade after consultation with the supervisor and the examining teacher, based on the student's written report, oral presentation and discussion of the report, as well as work performance.

### Compulsory participation

A study visit, seminars and presentations 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.