

# Syllabus

for course at advanced level

**Research Trends in Toxicology**  
**Forskningstrender i toxikologi**

**7.5 Higher Education  
Credits**  
**7.5 ECTS credits**

<b>Course code:</b>	MI8016
<b>Valid from:</b>	Spring 2021
<b>Date of approval:</b>	2018-10-01
<b>Changed:</b>	2020-08-17
<b>Department</b>	Department of Environmental Science
<b>Main field:</b>	Environmental Science
<b>Specialisation:</b>	A1F - Second cycle, has second-cycle course/s as entry requirements

## Decision

This syllabus has been approved by the Area Board of Natural Sciences at Stockholm University on August 17, 2020.

## Prerequisites and special admittance requirements

Knowledge equivalent to Toxicology for Environmental Scientists, 7.5 ECTS credits (MI7015). Swedish Upper Secondary School course English 6 or equivalent.

## Course structure

Examination code	Name	Higher Education Credits
HELA	Report	7.5

## Course content

The course explores how toxicological principles are applied to advanced research questions in modern applied human and environmental toxicology. Relevant topics and case studies are explored and discussed, but the choice of subject areas may vary between course instances.

## Learning outcomes

After completing the course, the student is expected to be able to:

- Explain how new toxicological research tools lead to the discovery of new effects, mechanisms of action, and toxicological processes in human and environmental toxicology.
- Critically review and discuss modern literature in toxicology.
- Develop a research proposal based on toxicological principles and current research trends.

## Education

Teaching consists of lectures, web lectures, group exercises, quizzes, critical review of research articles in journal clubs, seminars, study visits, and project work.  
The course is offered in English.

## Forms of examination

a. The course is examined as follows: Assessment takes place through continuous examination, seminars, and written and oral presentation of project work in the form of a research proposal.

The examiner can decide on adapted or alternative examination formats for students with disabilities.

The examination is conducted in English.

b. A passing final grade requires participation in lectures, journal clubs, and seminars. The examiner may, in consultation with the relevant teacher, exempt the student from the obligation to participate in certain mandatory teaching activities for specific reasons.

The examination is conducted in English.

Seminar performances are also considered in the final grade.

c. Grading: The course's final grade is set according to a seven-point criterion-referenced scale:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Adequate

Fx = Failed, some additional work required

F = Failed, much additional work required

d. The criteria for grading are provided at the start of the course.

e. Students who fail the regular exam have the right to take additional exams as long as the course is offered. The number of exam opportunities is not limited.

f. If the grade is Fx, there is an opportunity to improve their grade to a grade of E. The examiner decides on the supplementary assignments to be performed and the pass mark criteria. The supplementary assignments will take place before the next examination opportunity.

### **Interim**

Students may request that the examination be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two-year period after the course was discontinued. Requests must be made to the departmental board. The provision also applies in the case of revisions of the course syllabus and revisions of the required reading.

### **Misc**

The course is part of the master's program in Environmental Science with a focus on Environmental Toxicology and Chemistry but can also be taken as an independent course.

### **Required reading**

The course literature is decided by the department board and is published on the Department of Environmental Science's website at least 2 months before the start of the course.