



Syllabus

for course at first level

Nutritional Toxicology
Nutritionstoxikologi

**7.5 Higher Education
Credits**
7.5 ECTS credits

Course code:	NU3007
Valid from:	Autumn 2009
Date of approval:	2007-08-28
Changed:	2009-03-02
Department	Department of Biosciences and Nutrition
Subject	Nutrition
Specialisation:	G1N - First cycle, has only upper-secondary level entry requirements

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University 2007-08-28 and was revised 2009-03-02.

Prerequisites and special admittance requirements

To be qualified for applying to this course you must have completed at least 90 hp in natural science, including at least 30 hp chemistry (including 15 hp biochemistry) and the course Cell- and molecular biology, GN, 15 hp (BL2012), or the equivalent courses.

Course structure

Examination code	Name	Higher Education Credits
N001	Nutritional Toxicology	7.5

Course content

This course aims at increasing the understanding of the possible toxic and antitoxic implications to human health of food intake. Topics discussed include basic toxicology, with emphasis on nutritional aspects, and the underlying cellular and molecular mechanisms, such as biotransformation of xenobiotics, pharmacokinetics, links between endocrinology and toxicology, cytotoxicity, genotoxicity, and tissue specific toxicology. The course may be useful to those anticipating to work within the food industry.

Learning outcomes

It is expected that the student after taking the course will be able to:

- comprehend basic toxicology from a nutritional perspective
- understand the implications to human health of foreign chemicals in food
- describe how food intake may affect gene expression
- critically evaluate scientific literature, and put together and present a report on Nutritional Toxicology
- evaluate the scientific facts that other students have collected, written down in the form of a report, and orally presented on the subject of Nutritional Toxicology

Education

The education consists of lectures, project work, presentations, discussions, and study visits. Participation in study visits and presentations is compulsory. An examiner may rule that a student is not obliged to participate in certain compulsory education if there are special grounds for this after consultation with the relevant teacher.

Forms of examination

a. Examination for the course is in the following manner: measurement of knowledge takes place through

- written and/or oral examination
- written and oral presentations of project work

b. Grading is carried out according to a 7-point scale related to learning objectives:

A = Excellent
B = Very Good
C = Good
D = Satisfactory
E = Sufficient
Fx = Fail
F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course, together with approved attendance in study visits and presentations

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term “examination” here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different teacher be appointed to set the grade of the course. A request for such appointment must be sent to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

The course may not be included in a degree together with the courses Nutritional Toxicology 5p (NÄ1200), Nutritional Toxicology 1, 5p (NÄ1120), Nutritional Toxicology pk 10p (NÄ3070), or the equivalents.

Misc

The course is included in the programme of nutrition, but can also be taken as an independent course.

Required reading

Course literature is decided by the departmental board and is described in an appendix to the syllabus.