

# Syllabus

for course at first level

**Research project in neurochemistry, FC**  
**Forskningsprojekt i neurokemi, GN**

**15.0 Higher Education  
Credits**  
**15.0 ECTS credits**

<b>Course code:</b>	KN6003
<b>Valid from:</b>	Autumn 2011
<b>Date of approval:</b>	2011-05-16
<b>Department</b>	Department of Biochemistry and Biophysics
<b>Main field:</b>	Chemistry
<b>Specialisation:</b>	G2F - First cycle, has at least 60 credits in first-cycle course/s as entry requirements

## Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University.

## Prerequisites and special admittance requirements

### Course structure

Examination code	Name	Higher Education Credits
HELA	Research project in neurochemistry,	15

### Course content

The course consists of a major literature task designed together with the supervisor. A certain amount of experimental work may be included.

The project is intended to provide experience in and enhanced knowledge of scientific standards and research within the field of neurochemistry with molecular neurobiology.

Central aspects are planning, implementation and reporting of the scientific research. Training in literature search, writing a scientific report, and oral presentation of scientific results as seminars is also included.

### Learning outcomes

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

- Plan, implement and document the work.
- Carry out a well delimited goal-oriented scientific literature search
- Evaluate and analyze obtained results and draw correct conclusions from results obtained from scientific literature and experimental work.
- Demonstrate a valid scientific attitude to the project.
- Read and understand relevant original chemical literature
- Compile and write a report.
- Orally report and present the project.
- Display a scientific approach.

### Education

The project is carried out at the Department of Neurochemistry.

The education consists of compulsory seminars, group work and independent work directed by a principal supervisor or assistant supervisor. The student is entitled to 10 hours of tutoring, of which minimum 1/3 individual tutoring.

The student has the possibility to change supervisor under certain conditions. A request to change supervisor must be addressed to the departmental board.

The education consists of compulsory seminars and independent experimental work tutored (minimum 1 hour/week) by a principal supervisor or assistant supervisor. After consultation with the relevant teacher, an examiner may rule that a student is not obliged to participate in certain compulsory seminars, if there are special grounds for this.

### **Forms of examination**

a. Measurement of knowledge takes place through written and/or oral examination

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 participation in all compulsory education

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.

f. Students who have obtained Fx is given the opportunity to supplement in order to achieve grade E. It is the examiner who decides how the supplementation is to be done and what it should comprise. The supplementation must be completed before the next examination possibility.

### **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 the course. A request for such examination must be sent to the departmental board.

### **Limitations**

The course may not substitute the Degree Project in Neurochemistry with Molecular Neurobiology, KN6002, in the Bachelor's Program. The course may not be included in an advanced degree. The course is only taught in English.

### **Misc**

The course is given as an optional component of the Bachelor's programme in Chemistry, and it may also be taken as an individual course.

### **Required reading**

The literature is constituted by scientific publications and reports within the relevant field, found by the student through literature search, and literature distributed by the principal or assistant supervisor.