COURSE SYLLABUS

Kognitiv neurovetenskap: vetenskapligt experiment G2F
Cognitive Neuroscience: Experimental Practice G2F
7.5 credits

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Cognitive Neuroscience: Experimental Practice G2F. It comprises 7.5 credits and is on basic level. The level of progression of the course is G2F.

2 Objectives
After completed course the student should be able to:

- identify and evaluate earlier relevant experiments within an assigned topic,
- gather research participants for the execution of a scientific experiment requiring participant consent,
- independently test research participants and execute an experimental project in line with an assigned design and with consideration of relevant ethical and societal aspects,
- complete and interpret statistical analyses (differing statistical tests depending on the experimental design), and
- write a scientific report about the experiment, in APA format.

3 Course Content
The course consists of a review of basic principles for the design of experiments in cognitive neuroscience. It covers how to recruit suitable research participants and how to handle the issue of their consent, as well as how to go about testing them. Students then get to train these components in practice in assigned experiments, whereupon they individually analyze the collected data and write a short scientific report.

4 Forms of Teaching
The teaching comprises lectures and seminars.

The teaching is conducted in English.

5 Examination
The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

Registration of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research plan</td>
<td>2 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Oral presentation</td>
<td>2 credits</td>
<td>G/U</td>
</tr>
<tr>
<td>Report</td>
<td>3.5 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
</tbody>
</table>

1 Determines the final grade of the course.

Students with a permanent disability who have been approved for special educational support may be offered adapted or alternative examinations.

6 Admission Requirements
Admission to the course requires passed courses worth 30 credits at minimum G1F-level in the main field of cognitive neuroscience, including the courses KU333G Research Techniques in Cognitive Neuroscience G1F and KU332G Methods and Statistics in Cognitive Neuroscience G1F (or equivalent).
Subject, Main Field of Study and Disciplinary Domain

The course forms a part of the academic subject area of Cognitive Neuroscience. The course is a part of the main field of study in Cognitive Neuroscience at the University of Skövde. The disciplinary domain of the course is Natural Sciences.

Every course at the University of Skövde belongs to a subject. The division of subjects is used for follow-up and quality assurance. A main field of study is an area in which a degree can be awarded. Disciplinary domain is a division which is used by the government for the allocation of resources for studies at basic level and advanced level.

Approval of Course and Course Syllabus

The course was approved by the Curriculum Committee for Bioscience on 28 November 2019. This course syllabus was approved by the Curriculum Committee for Bioscience on 27 February 2020. It is valid from 1 July 2020 and replaces the course syllabus approved 28 November 2019.

Overlapping with Another Course

This course cannot constitute a part of a degree also containing a course the content of which is totally or partly equivalent to the content of this course.

Additional Information

Further information will be available on the university’s website before a course is given.

National and local regulations for higher education are available on the university’s website.

Upon completion of the course there will be a follow-up. The main purpose of this follow-up is to contribute to improvements of the course. The students’ experiences and views constitute one of the criteria for the follow-up and are gathered by means of course evaluations. The students will be informed of the results of the follow-up and any decisions regarding actions that are to be taken.

Course Literature and Other Educational Materials

Scientific articles and other relevant materials according to the teacher’s instructions.