Grundläggande neurovetenskap G1N
Basic Neuroscience G1N
7.5 credits

1 Name, Scope and Level of the Course
The course is provided by the University of Skövde and is named Basic Neuroscience G1N. It comprises 7.5 credits and is on basic level. The level of progression of the course is G1N.

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

- describe and explain the structural and functional anatomy of the nervous system and the brain at a macro level (e.g., central nervous system; peripheral nervous system; brain areas; cerebral cortex; blood supply to the brain), and

- describe and explain the structural and functional anatomy of the nervous system and the brain at a micro level (e.g., neurons; glia; communication within and between neurons; neurotransmitters; diseases, drugs and other substances that affect neuronal communication).

3 Course Content
This course introduces the science of the nervous system and the brain. First, it focuses on the macro-level organization, covering such topics as gross and functional neuroanatomy, anatomical terminology, and how blood is supplied to the brain. After this, it focuses on the micro-level organization, covering such topics as the structure and function of the two major cell types found in the brain (neurons and glia), neural communication, and synaptic transmission.

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).

The final course grade is determined by a weighted average of the grades for the examination components.

Registation of examination results:

<table>
<thead>
<tr>
<th>Name of examination</th>
<th>Credits</th>
<th>Grading</th>
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</thead>
<tbody>
<tr>
<td>Supervised written examination I</td>
<td>4 credits</td>
<td>A/B/C/D/E/F</td>
</tr>
<tr>
<td>Supervised written examination II</td>
<td>3.5 credits</td>
<td>A/B/C/D/E/F</td>
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</tbody>
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Students with a permanent disability who have been approved for special educational support may be offered adapted or alternative examinations.

6 Admission Requirements
General requirements for university studies (or the equivalent).

7 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.

8 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 28 November 2019. It is valid from 1 July 2020.

9 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.

10 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.

11 Course Literature and Other Educational Materials

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