



DEPARTMENT OF PSYCHOLOGY

PX1161 Neuropsychology, 30 credits

Neuropsykologi, 30 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Psychology on 2016-10-13 and was last revised on 2020-09-09 to be valid from 2021-08-30, autumn semester of 2021.

Field of education: Social Sciences 100%

Department: Department of Psychology

Position in the educational system

The course is a single subject course at undergraduate level.

Main field of studies

Psychology

Specialization

G1N, First cycle, has only upper-secondary level entry requirements

Entry requirements

General entrance requirements

Learning outcomes

Upon successful completion of this course, students will be able to:

Knowledge and understanding

- demonstrate basic knowledge of evolution, development and brain plasticity
- demonstrate evidence of basic knowledge about the organization and function of the brain and how acquired injuries and altered function can be linked to cognitive, emotional and social functional limitations.
- demonstrate knowledge of key theories and concepts regarding the relationship between brain and behavior in areas such as memory, attention, visuospatial

- function, perception, language, executive function, emotional and social function.
- demonstrate in-depth knowledge of central neuropsychological symptoms and syndromes
 - demonstrate basic knowledge of the relationship between problems of a neuropsychological nature and neuropsychiatric conditions, neuropathology and psychiatric illness.

Competence and skills

- independently search for and compile relevant neuropsychological information from scientific literature
- orally present and discuss information from current scientific literature in the relevant field

Course content

The course describes the relationship between brain and behavior, and provides a deeper understanding of the problems that abnormal brain function can cause. The course is partly for students at the undergraduate level, who wish to deepen their knowledge in this area and partly for professionals, who meet people with brain injuries or other forms of abnormal brain function. The course runs part-time over two semesters.

It consists of four modules:

Sub-courses

1. Introduction (*Introduktion*), 7.5 credits

Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

Module 1 provides basic information about the brain, its functional anatomy and behavior in relation to development, plasticity and evolution. Furthermore, it gives information on different brain imaging techniques and the functional organization of the brain.

2. Neuropsychology, part 1 (*Neuropsykologi del 1*), 7.5 credits

Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

In Module 2 students learn about central aspects of function and dysfunction in various perceptual and cognitive functional areas such as visual perception, spatial functions, attention, language, executive functions and memory.

3. Neuropsychology part 1 (*Neuropsykologi del 2*), 7.5 credits

Grading scale: Pass (G) and Fail (U)

Module 3 focuses on various conditions that can lead to neuropsychological functional limitations. It covers stroke, traumatic brain damage and other neurological diseases. It also focuses on ADHD, abuse and aging from a neuropsychological perspective. This module also deals with how physical activity

is assumed to be a factor in cognitive function.

4. Social neuropsychology (*Social neuropsykologi*), 7.5 credits

Grading scale: Pass with Distinction (VG), Pass (G) and Fail (U)

Module 4 starts with an introduction to different methods of measurement in social neuropsychology. It also focuses on different perspectives on emotions and the brain as well as emotions and mental illnesses. Students learn about various forms of mental illnesses like depression, anxiety, stress and schizophrenia. The rest of this module is devoted to various forms of social cognition, social behavior and on functional limitations in these areas, such as autism and antisocial behavior.

The focus is on both normal and abnormal functions. This module focuses primarily on empirical theory that has a clinical or practical connection. Students learn about children's and adults' development and aging.

Form of teaching

The teaching methods include lectures, seminars, exercises and own in-depth studies with follow-up presentations.

Language of instruction: Swedish

Assessment

All teaching, reading list and course materials provided during the course can form the basis for examination. Examination in all four modules is done through individual written assignments/examinations, seminars/exercises and oral presentations. Absence should be compensated according to the instructions of course coordinator.

If a student, who has failed the same examined component twice, wants to change examiner before the next examination, they should submit a written request to the department responsible for the course. The request shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

If the University of Gothenburg has decided that a student is eligible for special study support, the examiner may, provided it is compatible with the aim of the course and it can be done within the scope of available resources, decide to offer the student an adjusted examination or a different examination format.

In cases where a course has been discontinued or has undergone major changes, the student should normally be guaranteed access to at least three opportunities for examination (including the regular examination session) during a period of at least one

year, but at the most two years after the course has been discontinued/changed. The above also applies to internships and on-the-job-rainings with the exception that exam is given on only one occasion.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

The grading scale comprises Fail (U), Pass (G) and Pass with Distinction (VG).

To receive a Pass (G) on the whole course, students must:

- get a Pass (G) on all four modules
- actively participate in assessing seminars/exercises and presentations.

To receive a Pass with distinction (VG) on the whole course, students must:

- get a Pass with distinction (VG) on at least two of the modules 1, 2 and 4.
- get a Pass (G) on other modules
- actively participate in assessing seminars/exercises and presentations.

Course evaluation

The course coordinator is responsible for ensuring that students are given the opportunity to provide an anonymous, written course feedback at the end of the course. Upon completion of the course, the course coordinator writes a course report, which includes a summary of students' feedback. The course report is discussed in a relevant course evaluation group and is communicated both to the students, who completed the course evaluation as well as to the students who are starting the course. These reports are available to students.

Additional information

It is the student's responsibility to make sure they have access to digital tools like computer, internet or similar resources.