



Course Syllabus:

Psychology BA (B), Biological Psychology and Psychophysiology , 7,5 credits

General data

Code	PS095G
Subject/Main field	Psychology
Cycle	First cycle
Progression	B
Orientation (name)	
Credits	7.5
Progressive specialisation	G1F , First cycle, has less than 60 credits in first-cycle course/s as entry requirements
Answerable institution	Psychology
Adapted	2008-09-22
Established	2015-03-31
Date of change	2016-09-30
Valid from	2017-08-28

Aim

The main aim of the course is to provide a biological perspective on perception, cognition, emotion, and learning. The physiological and biological basis is described, with respect to the psychological processes mentioned above.

Furthermore, the course aims to provide an overview of the biological processes of everyday life, as well as working life. The starting point is the mutual relationship present when the brain interacts with its environment. The course also provides an introduction to psychophysiology and psychophysiological methods for measuring human psychological aspects.

Course objectives

On completion of this course students will be able to:

Knowledge and understanding

- describe the functional interacting physiological systems forming the base of perception, cognition, emotion and learning.
- demonstrate in-depth knowledge in at least one biopsychological area, and the ability to identify reciprocal brain-environment relationships in everyday life, as well as working life.
- assimilate research within the field on a basic level.

Competence and skills

- recognize and describe some measurement methods utilized in psychophysiological research and apply these in practice, in the laboratory.

Judgement and approach

- discuss the relationship between learning, nature and nurture, with emphasis on the plasticity of the brain.

Content

The structure and organisation of the central nervous system and the brain; the interaction between different systems in the central nervous system and the rest of the body, for example, during stress; the interplay between genes and the environment with emphasis on brain plasticity. The course includes practical work in the psychology laboratory in order to give students first-hand experience of practicing psychophysiological measurements. In one course module the students are expected to search for current research and utilize and summarize a study in the field.

Entry requirements

Selection rules and procedures

The selection process is in accordance with the Higher Education Ordinance and the local order of admission.

Teaching form

Teaching forms include lectures, seminars, and laboratory sessions.

Examination form

Written and oral examination, and active participation in the compulsory modules.

Grading system

The grades A, B, C, D, E, Fx and F are given on the course. On this scale the grades A through E represent pass levels, whereas Fx and F represent fail levels.

Other information

Attendance at course seminars, groups work and practicals is compulsory. Students not meeting the requirement of compulsory attendance will be given opportunity make up the work missed during the following year or the next time the course is offered.

Course reading

Required literature

Author: Breedlove, S.M., & Watson, N.V.
Title: Biological Psychology. An Introduction to Behavioral, Cognitive and Clinical Neuroscience.
Edition: Senaste upplagan/latest edition
Publisher: Sinauer Associates Inc., U.S.

Author: Hugdahl, K.
Title: Psychophysiology. The Mind-body Perspective.
Edition: Senaste upplagan/latest edition
Publisher: Harvard University Press

Reference literature

Author: Cacioppo, T.J., Tassinary, G.L., & Berntson, G.G.
Title: Handbook of Psychophysiology.
Edition: Senaste upplagan/latest edition
Publisher: Cambridge University Press