Course syllabus for

Cognitive processes, 15 credits

Kognitiva processer, 15 hp
This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.
Please note that the course syllabus is available in the following versions:
Spring2008 , Spring2009 , Spring2010 , Spring2011

Course code	2PS004
Course name	Cognitive processes
Credits	15 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Psychology
Level	G2 - First cycle 2
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Neurobiology, Care Sciences and Society
Decided by	Programnämnden för psykologprogrammet
Decision date	2007-10-15
Revised by	Programnämnden för Psykologprogrammet
Last revision	2008-10-30
Course syllabus valid from	Spring 2009

Specific entry requirements

For admission to a higher semester, a student may have no more than 15 outstanding credits from the previous semester, and no outstanding credits from preceding semesters.

Objectives

Part 1 Learning outcomes On completion of the course, the student should be able to: define the concepts of cognition and cognitive neuroscience and briefly describe the historical development of the subject and its current status as a scientific subject. account for central concepts, theories and methods within cognitive psychology (e. g. memory, languages, visuospatial ability, intelligence, executive functions, problem-solving and decision making). account for the neurobiological basis of the above functions. discuss individual differences in relation to cognitive processes. explain in what way cognitive training may affect the memory function. Skills and attitudes The student is, on completion of the course, expected to be able to demonstrate ability to, from an ethical perspective, reflect on the handling of a test situation and test results based on his/her initial experience in administrating cognitive tests. Part 2 Learning outcomes On completion of the course, the student should be able to: independently analyse behavioural data with an emphasis on comparisons between groups by means of

variance analytical methods. Skills and attitudes On completion of the course, the student should be able to review one's own and others' results, critically, and understand the importance of statistical significance. with support from other designs, and carry out a scientific experiment and report this in writing

Content

Part 1 Cognitive Processes (Cognitive Processes), 10.5 credits. Part 2 Statistical Methods (Statistical Methods), 4.5 credits.

Cognitive Processes, 10.5 hp

Grading scale: VU

Statistical Methods, 4.5 hp

Grading scale: VU

Teaching methods

Part 1 The course starts with an introduction to cognitive psychology. Teacher-supervised lectures are then interleaved with seminars and practical exercises. Part 2 Teaching of statistics will take place in parallel with part 1, and consist of teacher-supervised teaching and computer exercises. As a practical element of this part of the course, the students will implement a study of their own and analyse and report its results.

Examination

Part 1: The subpart cognitive processes is examined by a written examination at the end of the course. In the examination, the contents of the reading list are examined, but also the contents of lectures and practical exercises. The ability to reflect and discuss around the subject cognitive neuroscience is examined through active participation in compulsory seminars. Any absence in compulsory seminars is substituted by an equivalent number of approved written complementary assignments. Contact examiner where appropriate. In the examination, one of the grades Passed with distinction, Passed or Failed is given. In compulsory discussion seminars, one of the grades Pass/Fail is used. Part 2: The statistics part is examined through assignments and a written examination. In the written examination, the contents of the reading list are examined, but also the contents of the lectures. The students will also write a laboratory report, where they present the results of the implemented study. In the examination, one of the grades Passed with distinction, Passed or Failed is given. In the laboratory report and the assignments, only one of the grades Pass/Fail is given. A Pass with distinction in the entire course requires, a Pass with distinction in the cognition examination (part 1) and at least a Pass in the statistics examination. Furthermore, a Pass in seminars, assignments and a laboratory report is required.

Other directives

All missed examinations should be redone in a make-up examination. The student is entitled to six such examination sessions (make-up examinations) per course in order to achieve approved results.

Literature and other teaching aids

Borg, E; Westerlund, J
Statistik för beteendevetare

1. uppl. : Stockholm : Liber, 2006 - 456 s.
ISBN:91-47-05335-6 LIBRIS-ID:10162703
URL: http://www2.liber.se/bilder/omslag/100/4705335o.jpg
Library search

Gazzaniga, Michael S.; Ivry, Richard B.; Mangun, George R.
Cognitive Neuroscience : The Biology of the Mind

3 ed. : Londonb W W Norton & Co Ltdc 2008 : W W Norton & Co Ltdc 2008, 2008
ISBN:0-393-11136-1 LIBRIS-ID:10925409
Library search

Myers, David G.
Psychology

8. ed. : New York : Worth Publishers, 2006, cop. 2007 - 772, [135] s.
ISBN:0-7167-6428-8 LIBRIS-ID:10158417
Library search

Kolb, B.; Whishaw, I. Q.
Fundamentals of human neuropsychology

6th edition : New York : Worth Publicers, 2008

Reisberg, Daniel
Cognition : exploring the science of the mind

3. ed. : New York : Norton & Company, Inc, 2007

Brace, Nicola; Kemp, Richard; Snelgar, Rosemary
SPSS for psychologists : a guide to data analysis using SPSS for Windows (versions 12 and 13)

3. ed. : Basingstoke : Palgrave Macmillan, 2006 - xviii, 450 s.
ISBN:1-4039-8787-4 (hft.) LIBRIS-ID:9971180
Library search

Gazzaniga, Michael S. q (Michael Saunders)
The cognitive neurosciences

3. ed. : Cambridge, Mass. ; a London : MITPress, 2004 - xiv, 1385 s.
ISBN:0-262-07254-8 (hbk.) LIBRIS-ID:9620964
Library search