

Topics in Applied Cognitive Psychology (H002421)

Course size *(nominal values; actual values may depend on programme)*

Credits 6.0

Study time 180 h

Contact hrs

30.0h

Course offerings and teaching methods in academic year 2022-2023

A (semester 2)

English

Gent

self-reliant study activities

0.0h

lecture: response lecture

30.0h

Lecturers in academic year 2022-2023

Braem, Senne

PP02

lecturer-in-charge

Caspar, Emilie

PP02

co-lecturer

Offered in the following programmes in 2022-2023

crdts

offering

[Master of Science in Psychology\(main subject Theoretical and Experimental Psychology\)](#)

6

A

[Exchange Programme in Psychology](#)

6

A

Teaching languages

English

Keywords

cognitive neuroscience

Position of the course

Topics in Applied Cognitive Psychology is an integral part of the Master's program Experimental Psychology. Given that the program teaches competences that are crucial for researchers within, but also outside, the academic sector, the aim of the course is to give students the opportunity to discuss ongoing research with scientists that do applied cognitive (neuro)psychological research, within or outside the academic sector.

Contents

The course will give an overview of recent neuro-cognitive findings in the areas of applied cognitive (neuro)science. We will pay special attention to the applicability of, and use of, cognitive (neuro)science outside academia.

Initial competences

This course unit builds on certain course competencies of Neuropsychology and Introduction to Neuroimaging.

Final competences

- 1 To be able to identify and reproduce the key experiments in a specific applied research domain.
- 2 To critically evaluate applied empirical research designs and methods and be aware of the strengths and weaknesses of empirical studies. This includes potential flaws in the design and methodological shortcomings.
- 3 To understand and reproduce the most crucial methods and concepts in a specific applied research domain.
- 4 To become aware that there are different needs and priorities in applied versus fundamental research.
- 5 To evaluate to what degree an application is supported by empirical data.
- 6 To become aware that empirical research often has a different goal in applied research.
- 7 To realize that applied research is embedded in a specific historical, cultural and personal context which determines the empirical question and the way it is

investigated.

8 To realize that applications are the product of a time consuming work process

Conditions for credit contract

Access to this course unit via a credit contract is determined after successful competences assessment

Conditions for exam contract

This course unit cannot be taken via an exam contract

Teaching methods

Self-reliant study activities, Lecture: response lecture

Extra information on the teaching methods

The lecture series consists of presentations by external speakers that are followed by extensive discussion. Students have to prepare the lectures by reading research articles and preparing questions. About 18 hours are devoted to external lectures and about 12 hours to student presentations.

Learning materials and price

Background literature will be distributed a few weeks before each lecture through Ufora. No book purchase will be necessary.

References

Course content-related study coaching

Interactive support

Assessment moments

end-of-term assessment

Examination methods in case of periodic assessment during the first examination period

Written examination with open questions

Examination methods in case of periodic assessment during the second examination period

Written examination with open questions

Examination methods in case of permanent assessment

Assignment

Possibilities of retake in case of permanent assessment

examination during the second examination period is possible

Extra information on the examination methods

There will be a written exam in which knowledge and understanding of the course material is evaluated. The students are also expected to write a three-page-long research proposal inspired by one of the talks.

Calculation of the examination mark

The examination mark is 60% based on the final exam outcome, and 40% based on the paper.