

## 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.