

## Paradigms of Experimental Psychology (H002036)

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

**Credits** 6.0

**Study time** 180 h

**Contact hrs**

45.0h

**Course offerings and teaching methods in academic year 2022-2023**

A (Year)

English

Gent

lecture

30.0h

seminar: coached exercises

5.0h

guided self-study

10.0h

**Lecturers in academic year 2022-2023**

Verbruggen, Frederick

PP02

lecturer-in-charge

**Offered in the following programmes in 2022-2023**

**crdts**

**offering**

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

6

A

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

6

A

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

6

A

**Teaching languages**

English

**Keywords**

experimental psychology, cognition

**Position of the course**

This course is situated in the learning line about scientific research competences. Building on earlier courses on psychological theory and methods, a first research proposal is formulated.

**Contents**

In this course the following content is provided.

- At the beginning of Term 1, there is a minicongress with a series of research talks focusing on selected paradigms in the field of experimental psychology in which the relation between theory and empirical research is discussed.
- On the basis of these research talks, the students develop a short research proposal, after which they approach a supervisor.
- At the end of Term 1, the students write a short paper. In the paper, students briefly identify a research question (based on the research talks) and a proposed solution. The papers are evaluated by the supervisors.
- At the beginning of Term 2, there are two sessions on academic writing in English, and students present their proposal to their peers.
- Based on the feedback and the writing sessions, the students further develop the proposal into a proper paper. The resulting paper is then also evaluated, revised after individual feedback, and again evaluated.

**Initial competences**

This course unit builds on certain course competencies of Psychonomics I, Psychonomics II, Methodology.

**Final competences**

- 1 to have knowledge of, and insight in, recent scientific research in the domain of cognitive psychology
- 2 to be able to summarize and critically discuss the existing scientific literature in a subdomain of cognitive psychology

- 3 to be able to develop a relevant and innovate research hypothesis in the domain of cognitive psychology
- 4 to be able to develop a research design and method to test a research hypothesis in cognitive psychology
- 5 to be able to present research ideas to peers in a structured fashion
- 6 to be able to present a research proposal and method in a scientific report
- 7 to be able to evaluate theoretical implications of possible research findings
- 8 to be able to write according to the academic APA style
- 9 to be able to evaluate and respond to criticism on a research proposal

#### **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**

Guided self-study, Lecture, Seminar: coached exercises

#### **Learning materials and price**

- Notes and slides available on the web.
- Infobrochure on Ufora

#### **References**

#### **Course content-related study coaching**

- Interactive support using Ufora (FAQ, e-mail..) and the departmental website.
- By appointment.

#### **Assessment moments**

continuous assessment

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

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

#### **Examination methods in case of permanent assessment**

Participation, Assignment

#### **Possibilities of retake in case of permanent assessment**

examination during the second examination period is not possible

#### **Extra information on the examination methods**

The evaluation is based on several components: a short research proposal that describes a research question on the basis of one of the paradigms presented; and a scientific paper in which a proposals is fully developed.

#### **Calculation of the examination mark**

The evaluation is based on two components:

- The short research proposal (25%)
- The full research proposal (75%; the average mark of the the first full version and the revised version will be taken)

In order to pass the course students have to (a) submit a version for each component (short paper, full and revised paper) and (b) obtain a final score of at least 10/20.

Proposals and papers that are submitted after the deadline (without advance permission of the responsible lecturers), will not be accepted (resulting in 0/20 for that specific part of the evaluation).

The minicongres (1st term), writing tutorials (2nd term) and presentation session (2nd term) are mandatory. Students who cannot attend should report this in advance to the responsible lecturers (with a valid reason).