***Cognitive Psychology Specialisation***

**Title of the course:** Perception, attention

**Course code:** PSYM21-CD-101

**Head of the course:** Honbolygó Ferenc

**Academic degree:** PhD

**Position:** Senior lecturer

**MAB Status:** A (T)

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| **Az oktatás célja angolul** |

**Aim of the course**

This course aims to provide an in-depth overview of two critical cognitive processes: perception and attention. After an introduction to the basic concepts, we will review state-of-the art empirical results from behavioral and neuroscientific studies in order to understand the cognitive processes together with the neural networks and brain mechanisms contributing to the perception of the visual and auditory information, and attentional mechanisms.

**Learning outcome, competences**

knowledge

* Basic concepts of perception and attention
* Understanding the principles that govern how the mind and brain work in perception and attention
* In-depth knowledge of current methodologies to study perception and attention

attitude:

* Utilization of knowledge of scientific approach, communication, and presentation

skills:

* Understanding and applying methodological approaches to study perception and attention
* Identifying cognitive mechanisms and neuroanatomical structures related to perception and attention

autonomy, responsibility:

* Students are able to apply the acquired knowledge and the attitude, and recognize the connections related to the subject on their own
* The acquired knowledge should be applied in accordance with the ethical guidelines of psychology.

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| **Az oktatás tartalma angolul** |

**Topic of the course**

* Introduction to Perception
* Neural Processing and Perception
* Cortical Organization
* Perceiving Objects and Scenes
* Visual Attention
* Taking Action
* Perceiving Motion
* Perceiving Color
* Perceiving Depth and Size
* Hearing
* Auditory Localization and Organization
* Speech Perception
* Music Perception

**Learning activities, learning methods**

* Lectures
* Seminar work, article presentations

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| **A számonkérés és értékelés rendszere angolul** |

**Learning requirements, mode of evaluation and criteria of evaluation:**

* Reliable basic knowledge of the neuroanatomical, psychophysiological and neuroscientific background of perception and attention

Mode of evaluation: ………….

* Written exam

Criteria of evaulation:

* Knowledge of basic concepts and the skill in utilizing the models of cognitive neuroscience adequately

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| **Idegen nyelven történő indítás esetén az adott idegen nyelvű irodalom:** |

**Compulsory reading list**

* E. Bruce Goldstein (2014) Sensation and Perception, International Edition 9th Edition.

**Recommended reading list**

**Course-specific information (specific to a given lecture or seminar)**

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| **General data** |

**Specific (sub)title of the course (if relevant):**

**Specific (sub)code of the course (if relevant):**

**Date and place of the course:**

**Name of the lecturer:**

**Department of the lecturer:**

**Email of the lecturer:**

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| **Specific syllabus/schedule of the lecture/seminar (if relevant)** |

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| **Further specific information (eg. requirements) (if relevant)** |