

Perception & Cognition

E-215-HSKY



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| Year | 1 |
| Semester | Spring |
| Type of course | Core |
| Prerequisites | None |
| Schedule | 4 hours per week for 12 weeks, 6 ECTS |
| Lecturer | Kamilla Rún Jóhannsdóttir |
| Content | |
| <p>This course examines behavioural and neural aspects of perceptual processes, with particular reference to visual and auditory perception, object recognition; colour vision; depth perception; motion perception; stereopsis; pitch and loudness perception. The course examines different models of information processing, and considers focused and divided attention, object and pattern recognition, memory structures and processes (working memory, remembering and forgetting, and thinking).</p> | |
| Learning outcome - On completing the course, each student should be able to: | |
| <ul style="list-style-type: none"> • Understand and explain the operation and function of the sensory systems. • Understand and explain the processing of perception and the function of cognitive systems, such as attention and memory. • Name and explain the main theories and concepts which concern perception and processing of perception. • Distinguish between and compare theories on perception and its processing. • Be familiar with the research methods which are used to examine the function of the sensory systems. • Propose what further research is worth carrying out for specific cases. • Describe what effect it has when sensory systems and/or processing of perception does not work. • Use their knowledge of perception to explain and work with new material. | |
| Course assessment | |
| <p>Two assignments and final exam. Grades are given on a 0 – 10 point scale. The minimum grade to pass the course is 5.0. The student needs to get a minimum grade of 5.0 in the final exam and a minimum average grade of 5.0 for all course assessment.</p> | |
| Reading material | |
| <p>Wolfe, J. M., Kluender, K. R., Levi, D. M. and Bartoshuk, L. M. (2009). <i>Sensation and Perception</i> (2. ed). Sinauer Associates, Sunderland, MA.</p> <p>Holt, N., Bremner, A., Sutherland, E., Vliek, M., Passer, M., Smith, R. (2012). <i>Psychology: The</i></p> | |

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| <i>Science of Mind and Behavior</i> (2. ed). Berkshire: McGraw-Hill Education. | |
| Teaching and learning activities | |
| Lectures, in class exercises and discussions. | |
| Language of instruction | Icelandic |