Biology and Behaviour  
E-112-LIAT

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<th>Year</th>
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<tr>
<td>Semester</td>
<td>Fall</td>
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<tr>
<td>Type of course</td>
<td>Core</td>
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<tr>
<td>Prerequisites</td>
<td>None</td>
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<tr>
<td>Schedule</td>
<td>3 hours per week for 15 weeks, 6 ECTS</td>
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<tr>
<td>Lecturer</td>
<td>Brynja Björk Magnúsdóttir and Magnús Jónsson</td>
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**Content**

This course provides an introduction to the structure and function of the main biological correlates of behaviour, including neuron and synapse, nerve-cell communication (intra- and inter-cellular); brain and nervous system structure and function; cerebral localisation; the peripheral and the central nervous systems; sensation and perception; motivation; emotion; eating and drinking; and sleep, wakefulness, and circadian rhythms. The course is intended as an introduction and is therefore suitable for students who do not have a prior background in biology.

**Learning outcome - On completing the course, each student should be able to:**

- Describe and name the main parts of the organs and biological units which will be discussed in the course, such as neuron, eye, and ear.
- Explain the main biological processes which will be discussed in the course, such as neuron communication and the process of visual information, as well as compare similar/dissimilar processes.
- Describe and compare the main research methods used in research in physiological psychology, and describe the advantages and disadvantages of each method.
- Discuss the main points in the history of physiological psychology.
- Use the knowledge which he or she has acquired concerning biological processes to solve new tasks, such as new but comparable problems to those found in the textbook.

**Course assessment**

Group assignment, multiple choice exam 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.

**Reading material**


**Teaching and learning activities**

Lectures, in class exercises and discussions.

**Language of instruction**

Icelandic