

## PSYB17-105 Physiology and Anatomy 1.

### Aim of the course

**Aim of the course:** Inform about the structure and functioning of the human body

### Learning outcome, competences

knowledge:

- Structure and functions of different organ systems in the human body.

attitude:

- Scientific approach.

skills:

- Perceive logical relationships about the structure, role and functioning of different organs.

### Content of the course

#### Topics of the course

- Chemical foundations of biology
- Cellular membrane
- Resting and action potentials
- Communication between cells
- Tissues
- Muscle contraction
- Blood
- Circulation
- Respiration

**Learning activities, learning methods:** the course is a lecture. Preparing for the exam includes learning the material both in form of text and drawings. Preparing answers to essay questions requires significant individual work.

### Evaluation of outcomes

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

requirements

- Written exam (definitions, test, drawing, essay questions)

mode of evaluation: 5-scale

criteria of evaluation:

- grade is calculated according to the sum of points received for different parts of the exam

### Reading list

#### Compulsory reading list

- Material of the lectures (available on Department's site)
- Glossary (available on Department's site)

#### Recommended reading list

- Gerard J. Tortora, Bryan H. Derrickson: Principles of Anatomy and Physiology; 13th Edition; Wiley
- Mark Nielsen, Shawn D. Miller: R