

Course Unit Descriptor

<b>Study Programme:</b> BSc Biology		
<b>Course Unit Title:</b> Human Biology		
<b>Course Unit Code:</b> OB021		
<b>Name of Lecturer(s):</b> Associate Professor Tatjana Pavlica		
<b>Type and Level of Studies:</b> Bachelor Degree		
<b>Course Status (compulsory/elective):</b> Compulsory		
<b>Semester (winter/summer):</b> Summer		
<b>Language of instruction:</b> Serbian (office hours with international students in English)		
<b>Mode of course unit delivery (face-to-face/distance learning):</b> Face-to-face		
<b>Number of ECTS Allocated:</b> 5		
<b>Prerequisites:</b> None		
<p><b>Course Aims:</b></p> <p>Students will become acquainted with basic knowledge about human traits and their manifestation in individuals, families and populations. Methods of surveying the human organism and variability of modern populations.</p>		
<p><b>Learning Outcomes:</b></p> <p>Upon completion of this course students will be able to describe and use the basic techniques for studying human populations.</p>		
<p><b>Syllabus:</b></p> <p><i>Theory</i></p> <p>Place and role of Humane biology in modern biology. Unique constitution of humans and other living systems. General information on the human body. Structure and organization of the human body. Human traits, quantitative, qualitative and physiological. Their manifestation, inheritance, determination in individuals, families and populations. Periods of ontogenetic growth and development. Ratio and body proportions. Constitution. Dermatoglyphs. Planning, implementation and processing of data in human biological research.</p> <p><i>Practice</i></p> <p>Methods of testing in Human biology. Determination of basic body dimensions. Basic statistical concepts of anthropometric research. Distribution of quantitative traits. Determination of body composition. Determination of bone mass and development of muscle tissue. Indirect methods for assessing body structure - volume dimensions. Indirect methods for assessing body structure - transferal dimension. Anthropometric characteristics and proportions - head. Anthropometric characteristics and proportions - face. Dermatoglyphs. Qualitative characteristics. Gemini. Family trees. Determination of sex and body height based on osteological material.</p>		
<p><b>Required Reading:</b></p> <ol style="list-style-type: none"> <li>1. Muehlenbein MP. Human Evolutionary Biology. Cambridge University Press, 2010.</li> <li>2. Ulijaszek SJ., Mascie-Taylor CGN. Anthropometry: the individual and the population. Cambridge University Press, 1994</li> <li>3. Crawford M. Anthropological Genetics. Cambridge University Press, 2007.</li> </ol>		
<b>Weekly Contact Hours:</b>	<b>Lectures: 30</b>	<b>Practical work: 30</b>

**Teaching Methods:**

Lectures and students group work

**Knowledge Assessment (maximum of 100 points):**

<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Active class participation	4	written exam	50
Test I and Test II	26	oral exam	
Preliminary exam(s)		practical exam	20
Seminar(s)			

The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.