

Information sheet for the course Biology for Public Health

University: <i>Alexander Dubček University of Trenčín</i>					
Faculty: <i>Faculty of Health Care</i>					
Course unit code: <i>BVerZdr/d</i>			Course unit title: <i>Biology for Public Health</i>		
Type of course unit: <i>compulsory</i>					
Planned types, learning activities and teaching methods: <i>Lecture: 1 hour weekly/13 hours per semester of study; full-time</i>					
Number of credits: 3					
Recommended semester: <i>1st semester in the 1st year (full-time)</i>					
Degree of study: <i>I (bachelor)</i>					
Course prerequisites: <i>none</i>					
Assessment methods: <i>Written or oral examination (50 score points)- for obtaining the particular grades it is necessary to achieve:</i> <i>at least 45 score points for the grade A</i> <i>at least 40 score points for the grade B</i> <i>at least 35 score points for the grade C</i> <i>at least 30 score points for the grade D</i> <i>at least 25 score points for the grade E</i>					
Learning outcomes of the course unit: <i>Student receives study the subject "Biology for public health" general overview of the fundamental properties of living systems and their reproduction.</i>					
Course contents: <i>1. The characteristics of living systems, cell structure, biomacromolecules.</i> <i>2. Metabolic transformations in a cell.</i> <i>3. Reproduction of prokaryotic cells.</i> <i>4. The cell cycle of eukaryotic cells and its regulation.</i> <i>5. Amitosis, mitosis and meiosis.</i> <i>6. Principles of heredity organisms.</i> <i>7. Mendel and Morgan's laws.</i> <i>8. Binding of genes with sex.</i> <i>9. Pleiotropy, gene interactions.</i> <i>10. Mutations reparative processes mutagenic.</i> <i>11. Qualitative and quantitative characteristics.</i> <i>12. Population Genetics, Hardy-Weinberg law.</i> <i>13. New trends in biological sciences.</i>					
Recommended of required reading: <i>1. NEČAS O. 2000. Obecná biologie pro lékařské fakulty.</i> <i>2. MELUŠ V., KRAJČOVIČOVÁ Z., SLOBODNÍKOVÁ J. 2011. Genetika pre zdravotnícke odbory.</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history: <i>Number of evaluated students</i>					
A	B	C	D	E	FX
-	-	-	-	-	-
Lectures:					

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