

Information sheet for the course Demography and Health Statistics

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>DZdrŠ/d</i>	Course unit title: <i>Demography and Health Statistics</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Seminar: 1 hour weekly/13 hours per semester of study; full-time</i>	
Number of credits: <i>2</i>	
Recommended semester: <i>2nd semester in the 1st year (full-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>The student will acquire 50 points per semester</i> - <i>To prepare essay on the subject of demography and health statistics (20 points)</i> - <i>A written exam (30 points)</i> <i>To achieve A, at least 48 points have to be obtained, to achieve B, at least 44 points have to be obtained, to achieve C, at least 41 points have to be obtained, to achieve D, at least 38 points have to be obtained and to achieve E, at least 35 points have to be obtained.</i>	
Learning outcomes of the course unit: <i>The students will learn basic demographic concepts and indicators they are used in the collection and analysis of demographic trends, the factors affecting population growth. Get an overview of the sources providing data for demographic analysis, health statistics and forecasting populations or standardized age groups.</i>	
Course contents: 1. <i>Demography as an essential source of information for public health.</i> 2. <i>Evidence of demographic data, sample registers births, deaths, population movements etc.</i> 3. <i>Statistical analysis of demographic indicators - demographic statistics.</i> 4. <i>Demographic development in Slovakia before 1989 and after 1989.</i> 5. <i>Comparison of fertility and mortality - Trenčín and Presov region.</i> 6. <i>Census, register, register of the population - the sources of demographic statistics.</i> 7. <i>Demonstration of statistical methods (descriptive and inductive statistics).</i> 8. <i>Calculation of basic statistical characteristics (mean values, a measure of variability).</i> 9. <i>Estimation of parameters and characteristics of the basic set.</i> 10. <i>The use of tests of significance, testing statistical hypotheses.</i> 11. <i>Health Statistics (Statistics on population health, health services statistics).</i> 12. <i>Demographic changes and their impact on the functioning of the country - Slovakia comparison with other EU countries.</i> 13. <i>The current population development in Slovakia and European countries.</i>	
Recommended of required reading: 1. <i>VAŇO, B. - JURČOVÁ, D. - MESZÁROS, J. 2003. Základy demografie. Bratislava Občianske združenie sociálna práca, Bratislava, 2003, 132 s. ISBN 80-968927-3-8.</i> 2. <i>ŠAJTER, V. Úvod do štatistiky. 2011. In Základy verejného zdravotníctva. Hegyi, L., a kol. Bratislava, Herba, 2011, 280 s., ISBN 978-80-89171-84-2.</i> 3. <i>JURČOVÁ, D. 2005. Slovník demografických pojmov. Bratislava : INFOSTAT, 2005. ISBN 80-85659-40-9 (http://www.infostat.sk/vdc/pdf/slovník_2verdd.pdf)</i> 4. <i>ROUBÍČEK, V. 1997. Úvod do demografie. Codex Bohemia, Praha, 1997.</i> 5. <i>Edícia ročeniek - zdravotnícke ročenky – Národné centrum zdravotníckych informácií.</i>	

6. <i>www.socialnapraca.sk</i>					
Language: <i>Slovak</i>					
Remarks:					
Evaluation history: <i>Number of evaluated students</i>					
A	B	C	D	E	FX
Lectures: MUDr. Věra Dobiášová, PhD. MPH.					
Last modification: 22.04.2014					
Supervisor: doc. MUDr. Mária Štefkovičová, PhD., MPH.					