

Information sheet for the course Applied Research in Public Health I.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>AVVerZdr1/e</i>	Course unit title: <i>Applied Research in Public Health I.</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: <i>3</i>	
Recommended semester: <i>4th semester in the 2nd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>none</i>	
Assessment methods: <i>Student achieves during the semester 100 points</i> <ul style="list-style-type: none"> - 4 tests (together 60 points) - oral examination (40 points) <i>Needed points to evaluation: A- at least 93 points, B at least 85 points, C - at least 77 points, D at least 69 points, E - at least 61 points.</i> <i>Four written tests will be realised- with 15 points for every of them: A- at least 14 points, B at least 13 points, C - at least 12 points, D at least 11 points, E - at least 10 points. Student obtains no credits, if he reachest less than 10 points in any test of all tests.</i>	
Learning outcomes of the course unit: <i>Absolving this topic Applied research in public health I, student will have the knowledge how to define scientific process in research, he will know the forms of research, he will able to define the reasons of aim and ethical aspects of research in health care system. He will able to define th individual phases of research proces and the research process itself, to explain the methodology of research in public health, to describe th analyse of research results and to define the clinical, epidemiological and experimental studies.</i>	
Course contents: <ol style="list-style-type: none"> 1. <i>Science, scientific theory, marks of scientific work. Scientific process of research.</i> 2. <i>Ethics in th research</i> 3. <i>Clinical research, forms and types of clinical studies, design of studies.</i> 4. <i>Scientific process, the phases of scientific process.</i> 5. <i>Variable parameters and hypotheses.</i> 6. <i>The choice of group for research.</i> 7. <i>The methodology in public health- observation, interview, the analyse of document contents.</i> 8. <i>The methodology of research in public health – questionnaire.</i> 9. <i>Slinical studies.</i> 10. <i>Epidemiological studies.</i> 11. <i>Experimental studies.</i> 12. <i>Statistics of results - describing statistics- numerical, table and graph charakteristics.</i> 	
Recommended of required reading: <ol style="list-style-type: none"> 1. <i>BAKOSS, P. 2011. Epidemiológia. Bratislava: Univerzita Komenského, 2011. 520 s. ISBN 978-80-223-2929-3.</i> 2. <i>EGNEROVÁ, A. 2006. Epidemiológia: základy a metódy. Bratislava: Herba, 2006. 160 s. ISBN 8089171435.</i> 3. <i>HANÁČEK, J, JAVORKA K A KOL. 2010. Vedecká príprava. Učebnica pre študentov</i> 	

medicíny. Martin: Osveta, 2010. 220 s.

4. HEGYI, L., BIELIK, I. 2011. *Základy verejného zdravotníctva. Bratislava: Herba, 2011. 288 s. ISBN: 9788089171842*
5. MEŠKO, D, KATUŠČÁK D, FINDRA J A KOL. 2005. *Akademická príručka. Martin: Osveta. 2. vyd. 2005, 496 s. ISBN: 8080632006.*
6. ŽIAKOVÁ, K. A KOL. 2009. *Ošetrovatel'stvo - teória a vedecký výskum. Martin : Osveta, 2009. 322 s. ISBN 80-8063-304-2.*

Language: *Slovak*

Remarks:

Evaluation history: *Number of evaluated students*

A	B	C	D	E	FX

Lectures: doc. MUDr. Ján Bielik, CSc., PhDr. Nikoleta Poliaková, PhD.

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Supervisor: doc. MUDr. Mária Štefkovičová, PhD., MPH