Information sheet for the course
Laboratory practice II.

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Health Care*	
Course unit code: *LabPx2/d*	**Course unit title:** *Laboratory practice II.*
Type of course unit: *compulsory*	
Planned types, learning activities and teaching methods: *Practice*: 25 *hours weekly*/ 325 *hours per semester of study; full-time*	
Number of credits: *3*	
Recommended semester: *4th semester in the 2nd year (full-time)*	
Degree of study: *I (bachelor)*	
Course prerequisites: *Laboratory practice I.*	
Assessment methods: *A student obtains credits after completion of the prescribed number of hours given to specialized work during laboratory practice. The practical tasks given to students by co-operating external mentors from the partner laboratory workplace, must be managed. A student can obtain maximum of 40 points. For active participation a student obtains maximum of 10 points. All together 50 points for the course.* *To obtain A, a student must score at least 45 points, to obtain B, a student must score at least 40 points, to obtain C, a student must obtain at least 35 points, to obtain D, a student must obtain at least 30 points, and finally to obtain E, a students must to obtain at least 25 points.*	
Learning outcomes of the course unit: *Based on the knowledge gained from successful completion of the course "Laboratory practice I", a student gains routine manual skills in in the basic disciplines of laboratory examination methods within health care, with the emphasis put on clinical biochemistry and clinical microbiology. A student acquires knowledge and skills necessary to conduct independent calibration of analytical methods and quality management.*	
Course contents: 1. *Operation laboratory analysers – general.* 2. *Calibration of the apparatus, rules and possible errors.* 3. *Laboratory specific standard operating procedures carried out in a given laboratory workplace.* 4. *Principles of creation and modification of standard operating procedures, according to the standards.* 5. *The results of laboratory tests, their judgment with respect to the reference limits/bounds.* 6. *Internal control management, application of Westgard rules.* 7. *External quality control, principles and procedures, solving disagreements.* 8. *Validation of laboratory results, policies – principles and procedures.* 9. *Communication with caregivers, rules to report results.* 10. *Quality management of specific laboratory workplace – controlled documentation of a workplace.* 11. *Ethical aspects of laboratory work.*	

Recommended of required reading:

1. *PR*ŮŠA, R., ČEPOVÁ, J., PETRTÝLOVÁ, K. 2002. Příručka laboratorních vyšetření. Triton, Praha, 2002, 139 p., ISBN 8072542737.
2. *ŠTEFANOVIČ, J., HANZEN, J. 2012. Mikroorganizmy človeka v zdraví a chorobe. HPL SERVIS, Bratislava, 2012, 190 p., ISBN 9788097115104.*
3. *DOLEŽALOVÁ, V., a kol. 1995. Principy biochemických vyšetřovacích metod I., IDVPZ, Brno, 1995, 234 p., ISBN 807013206-X.*
4. *DOLEŽALOVÁ, V., a kol. 1995. Principy biochemických vyšetřovacích metod II., IDVPZ, Brno, 1995, 230 p., ISBN 807013206-X.*
5. *MEŠKO, D., PULLMANN, R., NOSÁĽOVÁ, G. 1998. Vademékum klinickej biochémie. Osveta, Martin, 1998, 1647 p., ISBN 8080630054.*

Language: *Slovak*

Remarks:

Evaluation history:
Number of evaluated students: 59

a	b	c	d	e	f
96.61%	0.00%	3.39%	0.00%	0.00%	0.00%

Lectures:
RNDr. Vladimír Meluš, PhD., MPH, Ing. Jana Netriová, PhDr. Katarína Kašlíková PhD., Bc. Jana Gavendová, Mgr. Lucia Dorová, doc. Jana Slobodníková, CSc.

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Supervisor: *doc. MUDr. Jana Slobodníková, CSc.*