Information sheet for the course
Laboratory practice I.

University: *Alexander Dubček University of Trenčín*	
Faculty: *Faculty of Health Care*	
Course unit code: *LabPx1/e*	**Course unit title:** *Laboratory practice I.*
Type of course unit: *compulsory*	
Planned types, learning activities and teaching methods: *Practice*: 25 *hour weekly*/ 325 *hours per semester of study; full-time*	
Number of credits: *4*	
Recommended semester: *3rd semester in the 2nd year (part-time)*	
Degree of study: *I (bachelor)*	
Course prerequisites: *Continuous 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: Deepen the manual and analytical skills of students needed in routine laboratory and medicine diagnostics, mainly in the field of clinical biochemistry and microbiology under the supervision of an external mentor / teacher.	
Course contents: 1. *Sample receipt to the laboratory – general rules of sample management.* 2. *Types of samples and their identification, specifications of microbiological samples.* 3. *Rules of pre-analytical sample preparation and transport.* 4. *Laboratory part of pre-analytical phase of sample processing.* 5. *Patient identifiers.* 6. *Rules and conditions of laboratory samples refusal.* 7. *Laboratory spinning.* 8. *Calculations RCF – RPM and possible disagreements, or differences in their application.* 9. *Methodological Principles of laboratory tests, cultivation techniques.* 10. *Laboratory analysers – general principles of their operation.* 11. *Laboratory specific standard operating procedures carried out in a given laboratory workplace.* 12. *Laboratory test results – in general.*	

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: 74

a	b	c	d	e	f
98.65%	0%	0%	0%	1.35%	0%

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.*