# Information sheet for the course
# Continuous Laboratory Practice II.

<table>
<tr><td colspan="2">University: Alexander Dubček University of Trenčín</td></tr>
<tr><td colspan="2">Faculty: Faculty of Health Care</td></tr>
<tr><td>Course unit code: SuvPx2/e</td><td>Course unit title:<br>Continuous Laboratory Practice II.</td></tr>
<tr><td colspan="2">Type of course unit: compulsory</td></tr>
<tr><td colspan="2">Planned types, learning activities and teaching methods:<br>Practice: 120 hours per semester of study; full-time</td></tr>
<tr><td colspan="2">Number of credits: 4</td></tr>
<tr><td colspan="2">Recommended semester: 8th semester in the 4th year (part-time)</td></tr>
<tr><td colspan="2">Degree of study: I (bachelor)</td></tr>
<tr><td colspan="2">Course prerequisites: Laboratory practice II.</td></tr>
<tr><td colspan="2">Assessment methods:<br>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.<br>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.</td></tr>
<tr><td colspan="2">Learning outcomes of the course unit:<br>Students acquire individual skills and abilities in routine laboratory medicine. Students acquire the knowledge and skills of synthesis which are validated in a separate laboratory investigations in response to the control and calibration material as well as internal and external quality control of laboratory diagnostics. Due to the need to obtain those skills primarily in basic laboratory disciplines, course content is identical to a "Laboratory practice II" but differs in increased intensity, given by range of 120 hours of continuous practice.</td></tr>
<tr><td colspan="2">Course contents:<br>1. Operation laboratory analysers – general.<br>2. Calibration of the apparatus, rules and possible errors.<br>3. Laboratory specific standard operating procedures carried out in a given laboratory workplace.<br>4. Principles of creation and modification of standard operating procedures, according to the standards.<br>5. The results of laboratory tests, their judgment with respect to the reference limits/bounds.<br>6. Internal control management, application of Westgard rules.<br>7. External quality control, principles and procedures, solving disagreements.<br>8. Validation of laboratory results, policies – principles and procedures.<br>9. Communication with caregivers, rules to report results.<br>10. Quality management of specific laboratory workplace – controlled documentation of a workplace.<br>11. Ethical aspects of laboratory work.</td></tr>
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**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 |
|---|---|---|---|---|---|
| 100.00% | 0.00% | 0.00% | 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.*

**Last modification:** *22.4.2014*

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