

<b>Higher education institution:</b> Slovak Medical University in Bratislava																	
<b>Faculty:</b> Faculty of Medicine																	
<b>Course code:</b> GM 058			<b>Course title:</b> Laboratory Medicine														
<b>Type, extent and method of educational activity:</b> Number of hours per semester: 40 Lectures: 14/1 hour per week Practices: 7/0,5 hour per week Student workload: 50 hrs																	
<b>Number of credits:</b> 2 credits																	
<b>Recommended semester/trimester:</b> 7. Th																	
<b>Level of higher education study</b> 1 + 2. Level																	
<b>Prerequisite courses (subjects):</b>																	
<b>Conditions for completing the course</b> The criterion for successful completion of the course is 100% participation in lectures, 100% participation in seminars. <b>Oral exam:</b> Overall evaluation A, B, C, D, E, Fx. Minimum success rate: E. <b>Rating:</b> A: 95% -100%, B: 88 - 94% C: 82% -87%, D: 76% -81%, E: 70% -75%, Fx: 70% and less. In case of repetition in the final exam, the student is obliged to repeat only the unsuccessful part of the exam. <b>The student's workload</b> in indirect teaching is 40 hours: it includes preparation for seminars and study for the exam.																	
<b>Learning outcomes:</b> Knowledge and skills in <ul style="list-style-type: none"> <li>• Clinical Laboratory Importance and Use</li> <li>• Laboratory Tests Pathophysiology, Clinical and Laboratory Context</li> <li>• Rational Use of Laboratory Tests</li> </ul>																	
<b>N Lecture Laboratory Medicine ( 2 hours )</b> 1 Clinical Laboratory 2 Instrumentation / Automation / Quality 3 Clinical Biochemistry 4 Hematology / Coagulation 5 Clinical Immunology 6 Clinical Microbiology 7 Transfusiology 8 Body fluids / Collection / Urine 9 Medical Microscopy / POCT / IT 10 Equipment / Solutions			<b>Seminar Laboratory diagnostics ( 2 hours )</b> Cardiology Pneumology / Gastroenterology Hematology / Endocrinology Nephrology / Internal environment Immunology / Rheumatology Gerontology / Acute Conditions Physical causes / Intoxications Infectology I Infectology II Urgent situations														
<b>Recommended literature:</b> G. Kováč, A. Porubenová: Laboratory Medicine for Medical Students, Bratislava, Herba, 2017 G, Kováč, A. Porubenová, K. Holeckova, M. Zigrá, I. Topolsky, S. Keckes: Fundamentals of Laboratory Diagnostics in Internal medicine for Medical Sstudents, Bratislava, Herba, 2021 Fischbach-Dunning:A Manual of LAboratory Diagnostic Tests, 9th edition																	
<b>Language requirements:</b> <i>english</i>																	
<b>Notes:</b> The course runs in English language.																	
<b>Course assessment</b> Assessed students in total: 0																	
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>FX</th> </tr> </thead> <tbody> <tr> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> <td>0%</td> </tr> </tbody> </table>						A	B	C	D	E	FX	0%	0%	0%	0%	0%	0%
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0%	0%	0%	0%	0%	0%												
<b>Lecturers:</b> Prof. MUDr. RNDr. Gustav Kovac CSc MBA, MUDr. Stefan Keckes																	
<b>Date of last modification:</b> 8. 11. 2021																	
<b>Supervised by:</b> <i>prof. person responsible for realization, development and ensuring of the study program quality</i>																	

*prof. MUDr. Iveta Šimková, CSc.*