

Course Information Sheet

Higher education institution: <i>Slovak Medical University in Bratislava</i>					
Faculty : <i>Faculty of Medicine</i>					
Course code: <i>GM019A</i>			Course title: Pathological Physiology (1)		
Type, extent and method of educational activity: <i>Number of hours per semester: 70</i> <i>Lectures: 28 h per semester /2 hours per week</i> <i>Practices: 42 h per semester/3 hours per week</i> (Total work load of the student: 125 h) Method of the education: full-time study (distance study) ¹ Form of study: full-time					
Number of credits: <i>5 credits</i>					
Recommended semester/trimester study: <i>5 th</i>					
Level of higher education study: <i>1st + 2nd level</i>					
Prerequisite courses: <i>GM012B Physiology 2</i>					
Requirements for completion of the course: <i>Method of assessment and completion of the course: active attending of 75% lectures and 100% practical exercises, credit test with minimum threshold of success 70%. Minimum success rate: 70 %. Test rating in percentages: A: 100 % - 94 %, B: 93 % - 89 %, C: 88 % - 83 %, D: 82 % - 77 %, E: 76 % - 70 %, Fx: 69 % and less.</i> <i>Student workload is 55 hours.</i>					
Learning outcomes: <i>The student will acquire basic knowledge of pathological physiology and the development of pathophysiological thinking for clinical disciplines. The study clarifies, explains and leads to an understanding of the cellular and molecular-biological mechanisms of the origin, development and consequences of diseases and to the knowledge of dysfunction of the organs and systems of the patients.</i>					
Brief content of the course (syllabus): <i>Pathophysiology of cells, response to load, apoptosis, necrosis, intercellular communication. Pathophysiology of regulation of distribution and volume of body fluids. Inflammation, immune responses, rheumatoid disease. Metabolism and its congenital and acquired diseases. Endocrine disorders, diabetes mellitus. Pathophysiology of uropoetic system. Pathophysiology of reproduction.</i>					
Recommended literature: <i>S.J.McPhee, G.D. Hammer: Pathophysiology of Disease, 8th edition, McGraw Hill Medical Books 2018</i> <i>Kathryn L. McCance , Sue E. Huether: Pathophysiology : The Biologic Basis for Disease in Adults and Children, 8th edition, Elsevier - Health Sciences Division, 2018</i> <i>Tommie L Norris: Porth's Pathophysiology: Concepts of Altered Health States 10th Edition, LWW, 2018</i>					
Language requirements: <i>English</i>					
Notes: <i>The course runs in English language.</i>					
Course assessment Assessed students in total: <i>0</i>					
A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%
Lecturers: <i>MUDr. Miroslav Vlček, PhD.</i> <i>MUDr. Adela Penesová, PhD.</i> <i>MUDr. Žofia Rádiková, PhD.</i>					

¹§ 108e ods. 2 zákona č.131/2002 Z.z. o vysokých školách

Mgr. Zuzana Bačová, PhD.

Date of last modification: 16. 11. 2021

Approved by: person responsible for realization, development and ensuring of the study program quality
prof. MUDr. Iveta Šimková, CSc.

Course Information Sheet

Higher education institution: <i>Slovak Medical University in Bratislava</i>					
Faculty: <i>Faculty of Medicine</i>					
Course code: <i>GM019B</i>			Course title: <i>Pathological Physiology (2)</i>		
Type, extent and method of educational activity: <i>Number of hours per semester: 84</i> <i>Lectures: 42 h per semester/3 hours per week</i> <i>Practices: 42 h per semester/3 hours per week</i> (Total work load of the student: 125 h) Method of the education: full-time study (distance study) ¹ Form of study: full-time					
Number of credits: <i>5credits</i>					
Recommended semester/trimester study: <i>6th</i>					
Level of higher education study: <i>1st + 2nd level</i>					
Prerequisite courses: <i>GM019A Pathological Physiology (1)</i>					
Requirements for completion of the course: <i>Method of assessment and completion of the course: active attending of 75% lectures and 100% practical exercises, 2 credit tests with minimum threshold of success 70%. Minimum success rate: 70 %. Test rating in percentages: A: 100 % - 94 %, B: 93 % - 89 %, C: 88 % - 83 %, D: 82 % - 77 %, E: 76 % - 70 %, Fx: 69 % and less.</i> <i>Oral exam: A, B, C, D, E, FX. Minimal grade E.</i> <i>Student workload is 41 hours.</i>					
Learning outcomes: <i>The student will acquire basic knowledge of pathological physiology and the development of pathophysiological thinking for clinical disciplines. The study clarifies, explains and leads to an understanding of the cellular and molecular-biological mechanisms of the origin, development and consequences of diseases and to the knowledge of dysfunction of the organs and systems of the patients.</i>					
Brief content of the course (syllabus): <i>Pathophysiology of the nervous system. Higher nervous activity and its disorders. Pathophysiology of the gastrointestinal system. Pathophysiology of the respiratory system. Pathophysiology of the cardiovascular system. Disorders of blood pressure regulation. Myocardial ischemia, ischemic-reperfusion syndrome, adaptation of heart. Heart failure.</i>					
Recommended literature: <i>S.J.McPhee, G.D. Hammer: Pathophysiology of Disease, 8th edition, McGraw Hill Medical Books 2018</i> <i>Kathryn L. McCance, Sue E. Huether: Pathophysiology : The Biologic Basis for Disease in Adults and Children, 8th edition, Elsevier - Health Sciences Division, 2018</i> <i>Tommie L Norris: Porth's Pathophysiology: Concepts of Altered Health States 10th Edition, LWW, 2018</i>					
Language requirements: <i>English</i>					
Notes: <i>The course runs in English language.</i>					
Course assessment Assessed students in total: <i>0</i>					
A	B	C	D	E	FX
0%	0%	0%	0%	0%	0%
Lecturers: <i>MUDr. Miroslav Vlček, PhD.</i>					

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MUDr. Adela Penesová, PhD.

MUDr. Žofia Rádiková, PhD.

Mgr. Zuzana Bačová, PhD.

Date of last modification: *16. 11. 2021*

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