

Name of university, Name of faculty: Trnava University
Faculty of Health Care and Social Work

INFORMATION SHEET OF THE SUBJECT

Code: LMbD14	Name: Pathophysiology				
Cover: Department of Theoretical Disciplines and Laboratory Investigation Methods					
Type of educational activity: Seminar Scope of educational activity (in hours): Weekly: 3 For term of study: LS 90 Method of educational activity:				Number of credits: 4	Recommended semester: ST
					Study grade: 1. PO
Recommended semester	Study programme				
1.year ST	Laboratory Medicine (D1-LVMvZ-22)				
Underlie subjects:					
Conditions for passing the course: Method of evaluation: Completion by taking an examination Continuous evaluation: none Final evaluation: - written test - Each question has a minimum of 3 answers. Each correct answer is awarded 1 point, for each incorrect answer 1 point is deducted. Evaluation: A: 100 – 95%; B: 94 – 89%; C: 88 – 83%; D: 82 – 77%; E: 76 – 71%; FX: 70% and less Finished:					
Learning outcomes: VV1 The student is able to think synthetically in the context of different pathogenetic situations. VV2 The student will be able to establish a correct sequence of the nature of pathological processes at the molecular and cellular level, which he/she will be able to implement in real practice					
Schedule of subject: 1) Main groups of disease states caused by the external environment 2) Developmental and growth disorders 3) Nutritional disorders and tumour growth 4) Disorders of the internal environment (acid-base) 5) Inflammation, autoimmunity and allergy, Stress and shock 6) Pathophysiology of the cardiovascular system 7) Pathophysiology of the respiratory system, hypoxia 8) Pathophysiology of the gastrointestinal system, Liver and icterus 9) Disorders of blood elements and coagulation system 10) Pathophysiology of the Uropoietic System 11) Disorders of the endocrine glands 12) Pathophysiology of the nervous system					
Recommended reading: 1) HULÍN et al.: Patofyziológia a klinická fyziológia pre magisterské a bakalárske štúdium, Bratislava: SAP-Slovak Academic Press, 2005. ISBN 80-89104-66-5. 2) NEČAS, E. a spol.: Obecná patologická fyziologie (3. vydanie). Praha: Karolinum, 2006. ISBN 978-80-246-1688-9 (odporučené kapitoly). 3) NEČAS, E. a spol.: Patologická fyziologie orgánových systémů I (2. vydanie). Praha: Karolinum, 2013. ISBN 978-80-246-1711-4 (odporučené kapitoly). 4) NEČAS, E. a spol.: Patologická fyziologie orgánových systémů II (2. vydanie). Praha: Karolinum, 2013. ISBN 978-80-246-1712-1 (odporučené kapitoly). 5) VOKURKA, M.: Patofyziologie pro nelékařské směry, Praha: Karolinum, 2021. ISBN 978-80-246-3563-7.					
Language requirements: Slovak					
Notes: Daily combined method consists of: seminars /on-line, discussion group in MS Teams/ Self-study is supported by e-learning. 100% participation is required.					
Course evaluation:					
Assessed students in total: 813					
A	B	C	D	E	FX
18%	12%	17%	14%	20%	18%
Lecturers: MUDr. Aurel Dobiaš, PhD., examiner, seminary supervisor MUDr. Rastislav Hušťák, Ph.D., examiner, seminary supervisor					

Date of last change: 01.09.2026
Approved by: doc. Ing. Stanislava Blažíčková, PhD., MPH, univ.prof.