University of Belgrade
FACULTY OF MEDICINE

MEDICAL PATHOPHYSIOLOGY – WINTER (V) SEMESTER 2026/2027.

Department for Pathological Physiology

	TIME	PLACE
LECTURES	Wednesdays, 10:30 – 13:15	Classroom 1, Head Building, dr Subotića 8, 2nd floor (down the hall on the left)
SEMINARS	**Group 1 –** Tuesdays, 14:30 – 16:00	**Group 1 –** Lecture Hall, Pathophysiology Building, dr Subotića 9, ground floor
	Group 2 – Tuesdays, 14:30 – 16:00	**Group 2 –** Classroom 3, Head Building, dr Subotića 8, 2nd floor (straight down the hall)
	Group 3 – Mondays, 14:30 – 16:00	**Group 3 –** Classroom 3, Head Building, dr Subotića 8, 2nd floor (straight down the hall)
LABS	**Group 1 –** Mondays, 14:30 – 16:00	**Group 1 –** Lab Classroom A, Pathology Building, dr Subotića 1, 2nd floor
	Group 2 – Mondays, 14:30 – 16:00	**Group 2 –** Lab Classroom B, Pathology Building, dr Subotića 1, 2nd floor
	Group 3 – Tuesdays, 14:30 – 16:00	**Group 3 –** Lab Classroom B, Pathology Building, dr Subotića 1, 2nd floor

LECTURES		SEMINAR COURSE		*LABORATORY COURSE*	
		SEMINAR TOPIC		*LAB TOPIC*	
Lecture date	*Lecturer*	Seminar date	Seminar place	Lab date	Lab place
Lecture time	*Lecture topics*	Seminar time		Lab time	
WEEK I (5-9.10.2026.)					
7.10.2026. **10:30-11:45**	**S. Spasić** (1 class) • *Introduction to the Medical Pathophysiology course* • Introduction to pahtophysiology. Aetiology. Pathogenesis. • Genetic and congenital disorders. **11:45-13:15** **B. Jorgačević** (2 classes) • Systemic and local effects of low environmental temperature • Systemic and local effects of high environmental temperature	**PATHPHYSIOLOGY OF CELLULAR ADAPTATION AND DAMAGE**		***PHYSICAL AETIOLOGICAL FACTORS I***	
		5.10.2026. **14:30–16:00**	**Group 3** (Classroom 3)	**5.10.2026.** **14:30–16:00**	**Group 1** (Lab Classroom A)
		6.10.2026. **14:30–16:00**	**Group 1** (Lecture Hall)	**5.10.2026.** **14:30–16:00**	**Group 2** (Lab Classroom B)
		6.10.2026. **14:30–16:00**	**Group 2** (Classroom 3)	**6.10.2026.** **14:30–16:00**	**Group 3** (Lab Classroom B)
			D. Mladenović *T. Radosavljević* *B. Jorgačević*		*S. Kovačević* *S. Spasić* *A. Vuković*

<table>
<tr><th colspan="4">WEEK II (12-16.10.2026.)</th></tr>
<tr><td>14.10.2026.

10:30-11:15

11:15-12:45</td><td>M. Stanojević (1 class)
• Electricity. Sound and ultrasound

M. Vesković (2 classes)
• Mechanical factors
• Disorders due to chemical factors</td><td>CELLULAR AND SYSTEMIC HYPOXIA
12.10.2026. 14:30–16:00 Group 3 (Classroom 3)
13.10.2026. 14:30–16:00 Group 1 (Lecture Hall)
13.10.2026. 14:30–16:00 Group 2 (Classroom 3)
M. Stanković Stanojević
D. Vučević
B. Jorgačević</td><td>PHYSICAL AETIOLOGICAL FACTORS II
12.10.2026. 14:30–16:00 Group 1 (Lab Classroom A)
12.10.2026. 14:30–16:00 Group 2 (Lab Classroom B)
13.10.2026. 14:30–16:00 Group 3 (Lab Classroom B)
V. Makević
N. Mitović
A. Nenadović</td></tr>
<tr><th colspan="4">WEEK III (19-23.10.2026.)</th></tr>
<tr><td>21.10.2026.

10:30-12:00

12:00-12:45</td><td>J. Nešović Ostojić (2 classes)
• Disorders due to biologic agents.
• Fever

T.Radosavljević (1 class)
• Inflammation</td><td>PATHOPHYSIOLOGIC ASPECTS OF RADIATION
19.10.2026. 14:30–16:00 Group 3 (Classroom 3)
20.10.2026. 14:30–16:00 Group 1 (Lecture Hall)
20.10.2026. 14:30–16:00 Group 2 (Classroom 3)
S. Lopičić
M. Stanojević</td><td>ELECTRICAL CURRENT CHEMICAL AETIOLOGICAL FACTORS
19.10.2026. 14:30–16:00 Group 1 (Lab Classroom A)
19.10.2026. 14:30–16:00 Group 2 (Lab Classroom B)
20.10.2026. 14:30–16:00 Group 3 (Lab Classroom B)
A. Vuković
M. Biorac
M. Bogetić</td></tr>
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<table>
<tr><th colspan="4">WEEK IV (26-30.10.2026.)</th></tr>
<tr><td>28.10.2026.

10:30-12:00

12:00-12:45</td><td>D. Mladenović (2 classes)
• Specific defence. Autoimmune diseases
• Immunodeficiency

M. Stanković Stanojević (1 class)
• Alterations of immunologic reactions</td><td>PATHOPHYSIOLOGY OF ACUTE AND CHRONIC STRESS
26.10.2026. 14:30–16:00 Group 3 (Classroom 3)
27.10.2026. 14:30–16:00 Group 1 (Lecture Hall)
27.10.2026. 14:30–16:00 Group 2 (Classroom 3)
D. Vučević
J. Todorović
M. Vesković</td><td>ALTERATIONS OF LOCAL CIRCULATION
26.10.2026. 14:30–16:00 Group 1 (Lab Classroom A)
26.10.2026. 14:30–16:00 Group 2 (Lab Classroom B)
27.10.2026. 14:30–16:00 Group 3 (Lab Classroom B)
S. Kovačević
J. Paunović Pantić
N. Mitović</td></tr>
<tr><th colspan="4">WEEK V (2-6.11.2026.)</th></tr>
<tr><td>4.11.2026.

10:30-12:00

12:00-12:45</td><td>S. De Luka (2 classes)
• Non-specific defence
• The stress response

T. Radosavljević (1 class)
• Disorders of carbohydrate metabolism</td><td>IMPLICATION OF ALTERATIONS OF VITAMINS AND TRACE ELEMENTS
2.11.2026. 14:30–16:00 Group 3 (Classroom 3)
2.11.2026. 14:30–16:00 Group 1 (Lecture Hall)
3.11.2026. 14:30–16:00 Group 2 (Classroom 3)
D. Mladenović
J. Nešović Ostojić
J. Todorović</td><td>INFLAMMATORY PROCESS I
2.11.2026. 14:30–16:00 Group 1 (Lab Classroom A)
2.11.2026. 14:30–16:00 Group 2 (Lab Classroom B)
3.11.2026. 14:30–16:00 Group 3 (Lab Classroom B)
A. Vuković
V. Makević</td></tr>
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<tr><td colspan="5">WEEK VI (9-13.11.2026.)
(Wednesday, 11.11.2026.) Armistice Day in World War I</td></tr>
<tr><td>10.11.2026.
(Lecture Hall)

16:15-17:00

17:00-18:30</td><td>J. Todorović (1 class)
• Metabolism alterations of proteins

D. Vučević (2 classes)
• Pathophysiologic aspects of enzymopathies
• Metabolism alterations of lipids</td><td colspan="2">METABOLIC AND SYSTEMIC ALTERATIONS IN DIABETES MELLITUS</td><td colspan="2">INFLAMMATORY PROCESS II</td></tr>
<tr><td></td><td></td><td>9.11.2026.
14:30–16:00</td><td>Group 3
(Classroom 3)</td><td>9.11.2026.
14:30–16:00</td><td>Group 1
(Lab Classroom A)</td></tr>
<tr><td></td><td></td><td>9.11.2026.
14:30–16:00</td><td>Group 1
(Lecture Hall)</td><td>9.11.2026.
14:30–16:00</td><td>Group 2
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td>10.11.2026.
14:30–16:00</td><td>Group 2
(Classroom 3)</td><td>10.11.2026.
14:30–16:00</td><td>Group 3
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td></td><td>T. Radosavljević
J. Todorović
D. Mladenović</td><td></td><td>M. Biorac
M. Jovanović
V. Makević</td></tr>
<tr><td colspan="5">WEEK VII (16-20.11.2026.)</td></tr>
<tr><td>18.11.2026.

10:30-11:15

11:15-12:45</td><td>D. Vučević (1 class)
• Aetiopathogenesis of hypercholesterolemia

J. Nešović Ostojić (2 classes)
• Extracellular and intracellular dehydration.
• Water excess and oedema</td><td colspan="2">OBESITY AND NUTRITION</td><td colspan="2">REACTIONS OF HYPERSENSITIVITY</td></tr>
<tr><td></td><td></td><td>16.11.2026.
14:30–16:00</td><td>Group 3
(Classroom 3)</td><td>16.11.2026.
14:30–16:00</td><td>Group 1
(Lab Classroom A)</td></tr>
<tr><td></td><td></td><td>16.11.2026.
14:30–16:00</td><td>Group 1
(Lecture Hall)</td><td>16.11.2026.
14:30–16:00</td><td>Group 2
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td>17.11.2026.
14:30–16:00</td><td>Group 2
(Classroom 3)</td><td>17.11.2026.
14:30–16:00</td><td>Group 3
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td></td><td>J. Nešović Ostojić
D. Vučević
J. Todorović</td><td></td><td>M. Jovanović
J. Paunović Pantić
S. Kovačević</td></tr>
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<tr><td colspan="4">WEEK VIII (23-27.11.2026.)</td></tr>
<tr><td>25.11.2026.

10:30-11:15

11:15-12:00

12:00-12:45</td><td>J. Nešović Ostojić (1 class)
• Alterations in sodium, chloride and potassium balance

S. Lopičić (1 class)
• Mechanisms of calcium, phosphate and magnesium imbalances

M. Stanković Stanojević (1 class)
• Malignant tumors</td><td>DYNAMIC OF ATHEROGENESIS

23.11.2026. 14:30–16:00 Group 3 (Classroom 3)
23.11.2026. 14:30–16:00 Group 1 (Lecture Hall)
24.11.2026. 14:30–16:00 Group 2 (Classroom 3)
D. Vučević
D. Mladenović
B. Jorgačević</td><td>PATHOPHYSIOLOGY OF AUTOIMMUNE DISEASES

23.11.2026. 14:30–16:00 Group 1 (Lab Classroom A)
23.11.2026. 14:30–16:00 Group 2 (Lab Classroom B)
24.11.2026. 14:30–16:00 Group 3 (Lab Classroom B)
A. Nenadović
M. Jovanović
M. Bogetić</td></tr>
<tr><td colspan="4">WEEK IX (30.11-4.12.2026.)</td></tr>
<tr><td>2.12.2026.

10:30-12:00</td><td>S. De Luka (2 classes)
• Shock. Aetiopathogenesis.
• Reversible and irreversible shock.</td><td>SYSTEMIC CHANGES IN ORGANISM WITH MALIGNANT TUMOR

30.11.2026. 14:30–16:00 Group 3 (Classroom 3)
30.11.2026. 14:30–16:00 Group 1 (Lecture Hall)
1.12.2026. 14:30–16:00 Group 2 (Classroom 3)
S. Spasić
S. De Luka
M. Vesković</td><td>ALTERATIONS OF PROTEIN METABOLISM

30.11.2026. 14:30–16:00 Group 1 (Lab Classroom A)
30.11.2026. 14:30–16:00 Group 2 (Lab Classroom B)
1.12.2026. 14:30–16:00 Group 3 (Lab Classroom B)
M. Jovanović
S. Kovačević
A. Nenadović</td></tr>
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<tr><td colspan="4">WEEK X (7-11.12.2026.)</td></tr>
<tr><td>9.12.2026.

10:30-12.00</td><td>S. Lopičić (2 classes)
• Acid-base imbalances.
• Metabolic and respiratory acidosis.
• Metabolic and respiratory alkalosis</td><td>IMPLICATIONS AND EVALUATION OF WATER AND ELECTROLYTES ALTERATION
7.12.2026. 14:30–16:00 Group 3 (Classroom 3)
7.12.2026. 14:30–16:00 Group 1 (Lecture Hall)
8.12.2026. 14:30–16:00 Group 2 (Classroom 3)
B. Jorgačević
M. Stanojević</td><td>LIPID METABOLISM DISORDERS
7.12.2026. 14:30–16:00 Group 1 (Lab Classroom A)
7.12.2026. 14:30–16:00 Group 2 (Lab Classroom B)
8.12.2026. 14:30–16:00 Group 3 (Lab Classroom B)
N. Mitović
J. Paunović Pantić
V. Makević</td></tr>
<tr><td colspan="4">WEEK XI (14-18.12.2026.)</td></tr>
<tr><td colspan="4">First colloquium, Tuesday, 15.12.2026., 17:00 h, Histophysiology amphitheatre</td></tr>
<tr><td>16.12.2026.

10:30-12:00

12:00-12:45</td><td>T. Radosavljević (2 classes)
• Valvular heart disease
• Ischaemic heart disease

D. Vučević
• Heart failure. Cardiac oedema</td><td>IMPLICATION AND EVALUATION OF ACID-BASE IMBALANCE
14.12.2026. 14:30–16:00 Group 3 (Classroom 3)
14.12.2026. 14:30–16:00 Group 1 (Lecture Hall)
15.12.2026. 14:30–16:00 Group 2 (Classroom 3)
J. Nešović Ostojić
M. Stanojević
S. Lopičić</td><td>FLUID AND ELECTROLYTE ALTERATIONS
14.12.2026. 14:30–16:00 Group 1 (Lab Classroom A)
14.12.2026. 14:30–16:00 Group 2 (Lab Classroom B)
15.12.2026. 14:30–16:00 Group 3 (Lab Classroom B)
S. Kovačević
M. Bogetić
M. Biorac</td></tr>
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<tr><td colspan="4">WEEK XII (21-25.12.2026.)</td></tr>
<tr><td rowspan="4">23.12.2026.

10:30-12:00</td><td rowspan="4">M. Stanojević (2 classes)
• Disorders of the heart’s impusle formation and conduction
• Arterial hypertension and hypotension</td><td>MOLECULAR MECHANISMS OF SHOCK
21.12.2026. 14:30–16:00 Group 3 (Classroom 3)</td><td>ACID-BASE IMBALANCES
21.12.2026. 14:30–16:00 Group 1 (Lab Classroom A)</td></tr>
<tr><td>21.12.2026. 14:30–16:00 Group 1 (Lecture Hall)</td><td>21.12.2026. 14:30–16:00 Group 2 (Lab Classroom B)</td></tr>
<tr><td>22.12.2026. 14:30–16:00 Group 2 (Classroom 3)</td><td>22.12.2026. 14:30–16:00 Group 3 (Lab Classroom B)</td></tr>
<tr><td>M. Vesković
S. De Luka
M. Stanković Stanojević</td><td>S. Spasić
A. Vuković
N. Mitović</td></tr>
<tr><td colspan="4">WEEK XIII (28.12.2026-1.1.2027.) New Year Holiday (Friday and Saturday, 1-2.1.2027.)</td></tr>
<tr><td rowspan="4"></td><td rowspan="4">LAB MAKE-UPs WEEK</td><td>PATHOPHYSIOLOGY OF CARDIAC ARRHYTHMIAS
28.12.2026. 14:30–16:00 Group 3 (Classroom 3)</td><td>PATHOPHYSIOLOGY OF SHOCK
28.12.2026. 14:30–16:00 Group 1 (Lab Classroom A)</td></tr>
<tr><td>28.12.2026. 14:30–16:00 Group 1 (Lecture Hall)</td><td>28.12.2026. 14:30–16:00 Group 2 (Lab Classroom B)</td></tr>
<tr><td>29.12.2026. 14:30–16:00 Group 2 (Classroom 3)</td><td>29.12.2026. 14:30–16:00 Group 3 (Lab Classroom B)</td></tr>
<tr><td>T. Radosavljević
S. Lopičić
M. Stanojević</td><td>J. Paunović Pantić
V. Makević
A. Nenadović</td></tr>
<tr><td colspan="4">WEEK (4-8.1.2027.) Christmas Holiday (Wednesday, 7.1.2026.)</td></tr>
<tr><td></td><td>NO LECTURES</td><td>NO SEMINARS</td><td>NO LABS</td></tr>
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<tr><th colspan="4">WEEK XIV (11-15.1.2027.)</th></tr>
<tr><td>13.1.2027.

10:30-12:45</td><td>J. Todorović (3 classes)
• Obstructive pulmonary disease
• Restrictive pulmonary syndrome
• Alterations in pulmonary cicrulation
• Alterations in control of ventilation

• Respiratory arrhythmia</td><td colspan="2">HEART FAILURE AND EVALUATION OF CVS FUNCTIONS</td><td colspan="2">PATHOLOGICAL ECG</td></tr>
<tr><td></td><td></td><td>11.1.2027.
14:30–16:00</td><td>Group 3
(Classroom 3)</td><td>11.1.2027.
14:30–16:00</td><td>Group 1
(Lab Classroom A)</td></tr>
<tr><td></td><td></td><td>11.1.2027.
14:30–16:00</td><td>Group 1
(Lecture Hall)</td><td>11.1.2027.
14:30–16:00</td><td>Group 2
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td>12.1.2027.
14:30–16:00</td><td>Group 2
(Classroom 3)</td><td>12.1.2027.
14:30–16:00</td><td>Group 3
(Lab Classroom B)</td></tr>
<tr><td></td><td></td><td colspan="2">M. Stanković Stanojević
T. Radosavljević
J. Paunović Pantić</td><td colspan="2">J. Paunović Pantić
S. Spasić</td></tr>
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