

EM - Physiology lectures - 2022/23 - Semester I.

Week		Date	Day	Time	Subject	Lecturer
1	1	05 September 2022	Mon	16:40-18:20	Introduction, fluid compartments	Prof. Péter Várnai
	2	07 September 2022	Wed	14:10-15:50	Transport across cell membranes	Prof. Péter Várnai
	3	08 September 2022	Thu	8:55-10:35	Transepithelial transports	Prof. Péter Várnai
2	4	12 September 2022	Mon	16:40-18:20	Plasma membrane receptors and their signal transduction I.	Prof. László Hunyady
	5	14 September 2022	Wed	14:10-15:50	Plasma membrane receptors and their signal transduction II.	Dr. András Balla
	6	15 September 2022	Thu	8:55-10:35	Intracellular receptors. Calcium metabolism of the cells. Vesicular transport.	Dr. András Balla
3	7	19 September 2022	Mon	16:40-18:20	Physiology of blood I., Blood groups	Dr. Levente Kiss
	8	21 September 2022	Wed	14:10-15:50	Physiology of blood II.	Dr. Levente Kiss
	9	22 September 2022	Thu	8:55-10:35	Membrane potentials	Prof. Péter Várnai
4	10	26 September 2022	Mon	16:40-18:20	Ion channels and action potential	Prof. Péter Várnai
	11	28 September 2022	Wed	14:10-15:50	Physiology of nerve cells, synaptic transmission in the central nervous system	Dr. Gábor Cziráj
	12	29 September 2022	Thu	8:55-10:35	Neuromuscular junction and physiology of skeletal muscle	Dr. Eszter Horváth
5	13	03 October 2022	Mon	16:40-18:20	Autonomic neurotransmitters and physiology of smooth muscle	Dr. Zoltán Jakus
	14	05 October 2022	Wed	14:10-15:50	Physiology of the heart I.: origin and spread of cardiac excitation	Dr. Gábor Cziráj
	15	06 October 2022	Thu	8:55-10:35	Physiology of the heart II.: cardiac cycle	Dr. Gábor Cziráj
6	16	10 October 2022	Mon	16:40-18:20	Physiology of the heart III.: regulation of cardiac output	Dr. Gábor Cziráj
	17	12 October 2022	Wed	14:10-15:50	Electro- and echocardiography	Dr. Gábor Cziráj
	18	13 October 2022	Thu	8:55-10:35	Physiology of blood circulation: introduction, hemodynamics	Prof. Péter Várnai
	19	15 October 2022	Sat	16:40-18:20	Arterial circulation	Prof. Péter Várnai
7	20	17 October 2022	Mon	16:40-18:20	Microcirculation	Prof. Péter Várnai
	21	19 October 2022	Wed	14:10-15:50	Venous circulation and lymph flow	Dr. Zoltán Jakus
	22	20 October 2022	Thu	8:55-10:35	Local control of circulation	Dr. Eszter Horváth
8	23	24 October 2022	Mon	16:40-18:20	Reflex control of circulation	Prof. Miklós Geiszt
	24	26 October 2022	Wed	14:10-15:50	Coronary circulation and circulation of blood in the brain	Prof. Miklós Geiszt
	25	27 October 2022	Thu	8:55-10:35	Skeletal muscle, splanchnic and skin circulation	Prof. Miklós Geiszt
9		31 October 2022	Mon		Rest Day	
	26	02 November 2022	Wed	14:10-15:50	Respiration I.: pulmonary ventilation	Prof. László Hunyady
	27	03 November 2022	Thu	8:55-10:35	Respiration II.: gas exchange	Prof. László Hunyady
10	28	07 November 2022	Mon	16:40-18:20	Respiration III.: pulmonary circulation, ventilation-perfusion relationship	Prof. László Hunyady
	29	09 November 2022	Wed	14:10-15:50	Respiration IV.: gas transport, hypoxias	Prof. László Hunyady
	30	10 November 2022	Thu	8:55-10:35	Respiration V.: control of respiration	Prof. László Hunyady
11	31	14 November 2022	Mon	16:40-18:20	Renal function I.: renal circulation, glomerular filtration	Prof. Péter Enyedi
	32	16 November 2022	Wed	14:10-15:50	Renal function II.: tubular functions	Prof. Péter Enyedi
	33	17 November 2022	Thu	8:55-10:35	Renal function III.: concentration, dilution	Prof. Péter Enyedi
12	34	21 November 2022	Mon	16:40-18:20	Regulation of body fluids and osmotic concentration	Prof. Péter Enyedi
	35	23 November 2022	Wed	14:10-15:50	Acid-base balance I.: introduction and the role of kidneys	Dr. Levente Kiss
	36	24 November 2022	Thu	8:55-10:35	Acid-base balance II.: the role of lungs and clinical implications	Dr. Levente Kiss
13	37	28 November 2022	Mon	16:40-18:20	Adaptation of cardiovascular and respiratory system I.	Dr. Dávid Győri
	38	30 November 2022	Wed	14:10-15:50	Adaptation of cardiovascular and respiratory system II.	Dr. Dávid Győri
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					Exam Competition	