

## ED - Physiology lectures - 2022/23 - Semester I.

Week	Date	Date	Day	Time	Subject	Lecturer
<b>1</b>	1	06 September 2022	Tue	12:20-14:00	Introduction, fluid compartments	Dr. András Balla
	2	08 September 2022	Thu	12:40-14:20	Transport across cell membranes	Prof. Péter Várnai
	3	09 September 2022	Fri	12:40-14:20	Transepithelial transports	Prof. Péter Várnai
<b>2</b>	4	13 September 2022	Tue	12:20-14:00		
	5	15 September 2022	Thu	12:40-14:20	G protein coupled receptors, second messengers	Dr. András Balla
		16 September 2022	Fri	12:40-14:20	Receptors of growth factors and cytokines, calcium metabolism of the cells	Dr. András Balla
<b>3</b>	6	20 September 2022	Tue	12:20-14:00	Physiology of blood I., Blood groups	Dr. Krisztina Futosi
	7	22 September 2022	Thu	12:40-14:20	Physiology of blood II.	Dr. Krisztina Futosi
	8	23 September 2022	Fri	12:40-14:20	Membrane potentials	Prof. Péter Enyedi
<b>4</b>	9	27 September 2022	Tue	12:20-14:00	Ion channels and action potential	Prof. Péter Enyedi
	10	29 September 2022	Thu	12:40-14:20	Physiology of nerve cells, synaptic transmission in the central nervous system	Dr. Gábor Cziráj
	11	30 September 2022	Fri	12:40-14:20	Neuromuscular junction and physiology of skeletal muscle	Dr. Rita Benkő
<b>5</b>	12	04 October 2022	Tue	12:20-14:00	Autonomic neurotransmitters and physiology of smooth muscle	Dr. Krisztina Futosi
	13	06 October 2022	Thu	12:40-14:20	Physiology of the heart I.: origin and spread of cardiac excitation	Dr. Dávid Győri
	14	07 October 2022	Fri	12:40-14:20	Physiology of the heart II.: cardiac cycle	Dr. Dávid Győri
<b>6</b>	15	11 October 2022	Tue	12:20-14:00	Physiology of the heart III.: regulation of cardiac output	Dr. Dávid Győri
	16	13 October 2022	Thu	12:40-14:20	Electrocardiography	Dr. Domonkos Cseh
	17	14 October 2022	Fri	12:40-14:20	Physiology of blood circulation: introduction, hemodynamics	Prof. Péter Várnai
<b>7</b>	18	18 October 2022	Tue	12:20-14:00	Arterial circulation	Prof. Péter Várnai
	19	20 October 2022	Thu	12:40-14:20	Microcirculation	Prof. Péter Várnai
	20	21 October 2022	Fri	12:40-14:20	Venous circulation and lymph flow	Dr. Zoltán Jakus
<b>8</b>	21	25 October 2022	Tue	12:20-14:00	Local control of circulation	Dr. Rita Benkő
	22	27 October 2022	Thu	12:40-14:20	Reflex control of circulation	Dr. Rita Benkő
	23	28 October 2022	Fri	12:40-14:20	Coronary circulation and circulation of blood in the brain	Dr. Dániel Csete
<b>9</b>		01 November 2022	Tue			
	24	03 November 2022	Thu	12:40-14:20	Skeletal muscle, splanchnic and skin circulation	Dr. Dániel Csete
	25	04 November 2022	Fri	12:40-14:20	Renal function I.: renal circulation, glomerular filtration	Dr. Roland Csépanyi-Kömi
<b>10</b>	26	08 November 2022	Tue	12:20-14:00	Renal function II.: tubular functions	Dr. Roland Csépanyi-Kömi
	27	10 November 2022	Thu	12:40-14:20	Renal function III.: concentration, dilution	Dr. Roland Csépanyi-Kömi
	28	11 November 2022	Fri	12:40-14:20	Regulation of body fluids and osmotic concentration	Dr. János Almássy
<b>11</b>	29	15 November 2022	Tue	12:20-14:00	Respiration I.: overview, pulmonary circulation, nonrespiratory functions	Dr. Levente Kiss
	30	17 November 2022	Thu	12:40-14:20	Respiration II.: mechanics of breathing	Dr. Levente Kiss
	31	18 November 2022	Fri	12:40-14:20	Respiration III.: gas transport, hypoxias	Dr. Levente Kiss
<b>12</b>	32	22 November 2022	Tue	12:20-14:00	Respiration IV.: control of respiration	Dr. Levente Kiss
	33	24 November 2022	Thu	12:40-14:20	Acid-base balance I.: introduction	Dr. Csaba Tímár
	34	25 November 2022	Fri	12:40-14:20	Acid-base balance II.: the role of lungs and kidneys	Dr. Csaba Tímár
<b>13</b>	35	29 November 2022	Tue	12:20-14:00	Adaptation of cardiovascular and respiratory system	Dr. Csaba Tímár
		01 December 2022	Thu	12:40-14:20		
<b>14</b>					Competition Exan	