

Teaching materials: lectures

Topic	Teaching material (Cooper: The cell, 8th edition)
1.	4-17; 43-60
2.	51-53 (DNA); 111-121; 196-204
3.	223-232; Presentation at the lecture
4.	51-53 (RNA); 115-121; 243-254
5.	341-360; 601-604
6.	303-318
7.	67-72 (top of the page); 483-495; 524-538
8.	409-432; 86-95
9.	437-479
10.	579-607
11.	543-575 (fundamentals according presentation)
12.	Cooper: (107-111); Presentation at the lecture
13.	Campbell: Chapter 14 (319-324, 329-330, 334-337 without sickle-cell disease) Chapter 15 (344-350); Presentation at the lecture
14.	121-127 (top of the page); 135-144
15.	Presentation at the lecture
16.	Campbell: Chapter 15 (356-359); Presentation at the lecture
17.	Presentation at the lecture

Teaching materials: seminars

Topic	Teaching material (Cooper: The cell, 8th edition)
1.	27-39
2.	207-223
3.	179-196; 239-241; 152-153
4.	254-257; 273-298 (without transcription factor binding sites and figure 9.13 explanation)
5.	258-270; 360-364
6.	318-335
7.	72-74; 495-515; 494-495 (caveolae)
8.	369-389
9.	389-396 (+figure 12.30 explanation); 401-405
10.	611-628; Presentation at the seminar
11.	563; 628-639
12.	643-658; 664-671 (top of the page)
13.	Campbell: Chapter 14 (324-326, 330), Chapter 15 (352 – independent assortment of chromosomes); Sickle – cell disease; Eye color
14.	127-135; 156-159
15.	Campbell: Chapter 14 (337-340), Levy: Chapter 1 (4-14), Chapter 3 (45-53); case report (ion channels)
16.	Presentation at the seminar; case report (diabetes)
17.	Presentation at the seminar; case report (mushroom poisoning)

Literature:

1. Cooper GM, Hausman RE. The Cell, a Molecular Approach. 8th ed. Sunderland (Massachusetts): Sinauer Associates; 2019.
2. Campbell NA, Urry LA, Cain ML, Wasserman SA, Minorsky PV, Orr RB. Biology, A global approach, Pearson, London; 2021.
3. Prenatal diagnosis – copy material
4. Sickle – cell disease and eye color – copy material
5. Presentation at the lectures and seminars will be given after lectures