**Teaching unit 02**

1. Apoptosis. Basic morphological characteristics.
2. The importance of apoptosis in embryogenesis.
3. Importance of apoptosis after birth.
4. Discovery of apoptosis.
5. The role of caspases in apoptosis.
6. Cell death as a result of loss of survival stimulus. What triggers apoptosis?
7. Cell death as a result of loss of survival stimulus. Mechanism.
8. Cell death induced by death receptors.
9. Cell death induced by perforins and granzymes.
10. Autophagy. Basic mechanisms.
11. Autophagy. Importance. Autophagic cell death.
12. Necrosis. Basic characteristics.
13. Basic differences between necrosis and apoptosis.
14. Necroptosis.