

Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Schedule
Weekly Topics (Content)

Week	Topics
1. week	Course description, aim, importance. Structural and functional properties of receptors, classification.
2. week	Cell surface receptors and extracellular matrix interactions.
3. week	Endocytotic pathway and intracellular movement.
4. week	Molecular basis of intracellular communication
5. week	Receptor ligand interactions and signal transduction mechanisms.
6. week	Intracellular membrane receptors
7. week	Nuclear receptors and the molecular mechanism of signal transduction with nuclear receptors
8. week	Messenger molecules (first and second messengers)
9. week	Virus receptors and the mechanism of entry of viruses into cells
10. week	Growth factors, characteristics and growth factor receptors: EGF (Epidermal growth factor), TGFs (Transforming growth factor), FGF (Fibroblast growth factor), PDGF (Platelet derived growth factor), NGF (Nerve growth factor)
11. week	Cell activation via immunoreceptors (recombinant receptors)
12. week	IgG Fc receptors in the regulation of the immune response,
13. week	Receptor related disorders, receptor regulation
14. week	Recent methodological developments.