

Cellbiology topic list

- general cell structure (procariotic& iocaritoic level)
- structure of cell mebrane
 - o general structure
 - o biochemical compostition
 - o lipids of the cell membrane
 - o proteins of the cell membrane
 - o cell membrane receptors
- Transport through cell membrane
 - o Active transport incl. Pumps
 - o Passive transport
 - o Exo& endocytosis incl phagocytosis
- cell junctions
 - o definition, classification, details about the 3 groups
- cytoplasm
- cytoskeleton
 - o actinfilaments, microtubules
- cellular movements
 - o movements during muscle contraction
 - o movements based by tubuline-dinine system
 - o movements of cilia& pagella
- Nucleus
 - o Joint structure, nucleus membrane
- Mitosis
- Chromosomes & cell division
- Cell cycle
- Endoplasmic reticulum: structure, function, diagram
- Golgi complex
- Lysosomes
- Cell aging& malignant cells.

For the practicals:

- All the diagrams
- Slides about the cell's shape & cell inclusions (their content)

First, there is the practical exam, then the written one.