

Topic list Biochemistry 2nd semester

This is the final topic list Prof. Jebelanu gave me on Friday the 10th June.

1. Glycolysis
2. Tricarboxylic Acid Cycle
3. Gluconeogenesis
4. Glycogen Metabolism
5. Pentose phosphate pathway and NADPH
6. Glycosaminoglycans and Glycoproteins - general
7. Metabolism of dietary lipids
8. Fatty acid & triacylglycerol metabolism
9. Complex lipid metabolism – only read it!
10. Cholesterol & steroid metabolism (very important)
11. Transport of amino acids into cells (in Lippincott's page 247-256)
12. Removal of nitrogen from amino acids
13. Urea cycle
14. Metabolism of ammonia
15. Metabolic defects in amino acid metabolism (Page 266)
16. Conversion of amino acids to specialized products.
17. Other nitrogen- containing compounds- chapter A
18. DNA structure& replication
19. RNA structure& Synthesis
20. Protein Synthesis
21. Biotechnology& Human Diseases