SCH 305
AMINO ACIDS, PEPTIDES, PROTEINS, CARBOHYDRATES AND NUCLEIC ACIDS

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Lecture Timetable
Wednesday 8-11 am (273)

Slide Notes: https://profiles.uonbi.ac.ke/andakala/classes
Course Outline

(1) Definition of Carbohydrates.

(2) Monosaccharides-Structure, Properties, Reactions and Synthesis.

(3) Introduction to Glycosides.

(4) Disaccharides and Structure Determination.

(5) Polysaccharides (An Overview).

(6) Definition of Amino acids.

(7) Structure, Properties, Reactions and Synthesis of α-Amino acids.

(8) Peptides, Peptide Structure Determination and Peptide Synthesis

(9) An Overview of Nucleic Acids
Course Evaluation

(a) 2 Continuous Assessment Tests:

(1) Carbohydrates

(2) Amino Acids and Peptides (30 Marks).

(b) Final Exam (70 Marks).
Reference Books

• Organic Chemistry by Francis A. Carey
• Organic Chemistry by John McMurry
• Fundamentals of Organic Chemistry by T. W. Solomons
• Organic Chemistry by Paula Bruice
• Organic Chemistry by Jonathan Clayden