

Course Description (V21)

This course covers (a) classification and systematic identification of organic compounds (hydrocarbons, aromatic compounds, alcohols, amines, aldehydes, ketones, carboxylic acids and derivatives) and biomolecules (carbohydrates, proteins, lipids and nucleic acids) (b) physical and chemical properties of these compounds (c) biochemical bases of heredity, gene expression, protein synthesis, cell communication, metabolism, nutrition, immunochemistry and body fluid. It intends to prepare students for careers in the biotechnology, health professions, pharmaceutical industry or for advanced courses in organic and biotechnology. It aims to build up vocabulary for students in related area and provide them with appreciation and understanding of the biochemical basis of health and environmental issues that affect our everyday lives.