

BIO 201: ADVANCED GENERAL BIOLOGY I (3 Units)

General principles of physiology: physio-chemical properties of cell membrane, transfer processes and bioelectric activity. Control systems and homeostasis (neural and hormonal), feedback mechanisms. Compositions and functions of blood, blood volume, haemopoiesis, haemostasis, blood group and transfusion. Basic immunology and abnormal haemoglobins. Heart and circulation.

Essentials of the physiology of respiration, metabolic rate, respiratory acidosis and alkalosis. Digestive sections; their compositions, functions and control mechanisms of the Alimentary canal.