



University of Asia Pacific

Department of Basic Sciences & Humanities

Courses Title: Introduction to Natural Sciences: (B) Biological Sciences

Course Code: INS 101(B)

Course Outline:

To introduce students to the nature, history of biological science, and scope of studying biology.

To introduce students to biological science, emphasizing the relationships of humans to the environment, taxonomy, diversification of life, ecology, and environmental concerns.

To emphasize cell chemistry, cell structure, cell physiology, cell processes to include respiration and photosynthesis, cell reproduction and genetics.

To provide students with a basic knowledge in nutrition.

To provide students with a general introduction to anatomy and physiology of human digestive, respiratory, circulatory and excretory systems.

To emphasize blood composition, function of blood, blood grouping, and blood diseases.

To provide students with a general introduction to infectious disease, microbial mechanism of pathogenicity, disease transmission, and host defense system.

To provide students with a knowledge of the scope of biotechnology.