

BIOL 109: Human Biology Lecture Topics

Description:

A systematic study of the developmental structure and function of the human organism, including the anatomy and physiology of each organ system and common problems that may occur in each. Genetics, evolution, and ecology, as they apply to the human organism, are also studied. Designed for non-majors. Corequisite: BIOL 109L. Offered in Fall semester and Professional Studies program. One semester; three credits

Objectives:

1. To give the non-science major an understanding of the human body, its associated structures, functions, and diseases.
2. To help the non-science major understand the connections between the cellular, organismic, and population levels of organization.

Lecture Topics:

Chemistry of Life
Cell Structure and Function
Organization and Regulation of Body Systems
Heart, Blood Vessels, and Blood
Lymphatic System and Immunity
Digestive System and Nutrition
Respiratory System
Urinary System and Excretion
Skeletal System
Muscular System
Nervous System
Special Senses
Endocrine System
Reproductive System
Patterns of Chromosome Inheritance
Cancer
Patterns of Genetic Inheritance
DNA Biology and Technology
Global Ecology and Human Interferences
Human Population