SLU Biology 100-Level Course Descriptions

Introductory, For Biology Majors & Minors

BIOL 104 Principles of Biology I (4)
Lecture three hours, laboratory three hours per week. First semester of a two-semester course covering the basic principles of biology. Course emphasizes origin and definition of life; cells, their organization, chemical composition, and metabolic activity; the basis of heredity; evolution.

BIOL 106 Principles of Biology II (4)
Lecture three hours, laboratory three hours per week. A continuation of BIOL 104. Course emphasizes plant and animal development, ecology, behavior, structure and function or organ systems, and phylogeny

SLU Biology Non-Major Courses

BIOL 215 Genetics and Human Diversity (3)
Genetics and evolution, emphasis on human populations and forces acting to change the genetic structure of human populations; mutation and natural selection. Satisfies the Science Core requirement.

BIOL 236 Concepts of Biology (3)
A one-semester course covering scientific methodology and the basic concepts of biology ranging from the chemical to the ecological levels of organization. Satisfies the Science Core requirement.

BIOL 240 Biology of Health and Disease (3)
Topics include: nature of life, chemical basis of life, basic foodstuffs, vitamins, diseases caused by microbes, plants, and animals, drugs and the mind, and biology and the future of humanity. Satisfies the Science Core requirement.

BIOL 241 Biological Basis of Health (3)
This SLU2000 course will examine the relationships that exist between basic biological information and today's wide range of health-related topics and issues. Topics include: the chemistry of life and nutrition; biologically important molecules; cells and metabolism; common diseases caused by bacteria, viruses, plants, and animals; effects of drugs; and the biology and the future of our species. Satisfies the Science Core requirement.

BIOL 245 Drugs We Use and Abuse (3)
This course surveys the effects that legal and illegal biologically/pharmacologically-active compounds/drugs have on the brain, central nervous system, and other organ systems. Satisfies the Science Core requirement.