

Global Learning Semesters

Course Syllabus

Course: BIOL-110A Elements of Biology

Department: Biomedical Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
BIOL-110A	Elements of Biology	4
Semester Offered	Contact Hours	Prerequisites
Fall, Spring	70	None
Department	Level of Course	Language of Instruction
Biomedical Sciences	Lower Division	English

Course Description

The purpose of the course is to give students an understanding of the basic principles of biology and to raise fundamental questions that will strengthen their interest in the science of life. Students get basic knowledge in biology and in the field of human genetics. The ethical and legal consequences as well as the psychological impact of the genetic screening are discussed during the course. Topics in human biology include the basics of heredity, physiology, reproduction and development.

Instructor

Dr. Michael Koptides

Course Aims and Objectives

Upon completion of the course the student will have covered the basic cell biology / biochemistry background of living organisms and man and will be able to associate the relationship between the molecular, cellular, tissue and whole body function.

Teaching Methods

The course is delivered through a mixture of lectures aided by means of transparencies, and is supported by regular laboratory experiments

Course Teaching Hours

70 hours (42 hours lectures + 28 hours laboratory work)

Evaluation and Grading

Laboratory: 20-30%
Tests: 30-40%
Final Exam: 40%

Readings and Resources

Required Textbooks

Discover Biology, Second Edition (with Student CD-ROM) by [Michael L. Cain](#), [Hans Damman](#), [Robert A. Lue](#), [Carol Kaesuk Yoon](#), [Kaesuk Yoon](#), W.W. Norton & Company; 2nd edition (March 2002) ISBN: 0393940551

Recommended Reading

Biology: Concepts and Connections (4th Edition) by [Neil A. Campbell](#) (Editor), [Naomi E. Ervin](#) Publisher: Benjamin/Cummings; 4th edition (July 22, 2002) ISBN: 080536627X