

## Global Learning Semesters

### Course Syllabus

Course: BIOL-150 General Biology I

Department: Biomedical Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
BIOL-150	General Biology I	3
Semester Offered	Contact Hours	Prerequisites
Fall	42	None
Department	Level of Course	Language of Instruction
Biomedical Sciences	Lower Division	English

### Course Description

Students get basic knowledge in Biochemistry (structure and function of macromolecules), Bioenergetics-Thermodynamics, Photosynthesis and Respiration, Cell Biology- Cell structure, Organelles and Structure and function of Cell membrane and in Genetics- Mitosis, Meiosis, Mendelian Genetics and Chromosomal basis of Inheritance.

### Instructor

Dr. Michael Koptides

### Course Aims and Objectives

Students will cover the basic cell Biology/Biochemistry and Genetic background of living organisms and man and will be able to associate the relationship between the molecular and cellular function. The students will also get a basic background regarding inheritance and the association between genetic mutations and Human diseases.

### Teaching Methods

The course is delivered through a mixture of lectures aided by means of transparencies, and by administration of regular homework exercises. Tutorials on special topics are often scheduled in order to prepare for upcoming tests.

### Course Teaching Hours

42 hours

### Evaluation and Grading

Attendance/Participation	5-10%
Homework	5-10%

Tests: 40-50%  
Final Exam: 40%

## Readings and Resources

### Required Textbooks

Biology, Sixth Edition (with Student CD-ROM), by Neil A. Campbell and Jane B. Reece, Benjamin/Cummings; ISBN: 0-8053-6624-5

### Recommended Reading

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

Student Study Guide by Martha R Taylor, Publisher: Benjamin/Cummings; ISBN: 0-8053-6634-2  
[www.campbellbiology.com](http://www.campbellbiology.com)