

Global Learning Semesters

Course Syllabus

Course: BIOL-319 Biochemistry

Department: Biomedical Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
BIOL-319	Biochemistry	3
Semester Offered	Contact Hours	Prerequisites
Fall, Spring	42	BIOL-160
Department	Level of Course	Language of Instruction
Biomedical Sciences	Upper Division	English

Course Description

This course presents the biochemistry of living cells with emphasis on structure and function of micro and macromolecules, transmission of genetic information, functions of proteins and enzymes, lipids and carbohydrates, metabolic pathways and their control. The student will obtain an in depth understanding of the molecules and the biochemical processes and mechanisms which are involved in the biological functions of the living cell.

Instructor

Dr. Andreas Hadjisavvas

Course Aims and Objectives

To impart an in depth understanding of the basic principles of biochemistry. To appreciate the biochemical processes that take place in living cells.

Teaching Methods

The course is delivered through a mixture of lectures aided by means of transparencies, and by assigned reading and analysis of scientific papers.

Course Teaching Hours

42 hours

Evaluation and Grading

Homework 15-20%
Tests: 40-50%
Final Exam: 40%

Readings and Resources

Required Textbooks

Lehninger Principles of Biochemistry, 3/e, David L. Nelson, Michael M. Cox, Worth Publishing, 2000, ISBN: 1572599316

Recommended Reading

Medical Biochemistry, John Ph. Baynes (Editor), M.H. Dominiczak Mosby Year Book, 1999, ISBN: 0723430128

Biochemistry: The Molecular Basis of Life, 3/e, Trudy McKee, James R. McKee, McGraw-Hill, 2002, ISBN: 0-07-231592-X