

Global Learning Semesters

Course Syllabus

Course: BIOL-160 General Biology II

Department: Biomedical Sciences

Host Institution: University of Nicosia, Nicosia, Cyprus



| Course Summary | | |
|---------------------|--------------------|--------------------------|
| Course Code | Course Title | Recommended Credit Hours |
| BIOL-160 | General Biology II | 3 |
| Semester Offered | Contact Hours | Prerequisites |
| Spring | 42 | BIOL-150 |
| Department | Level of Course | Language of Instruction |
| Biomedical Sciences | Lower Division | English |

Course Description

In this course an introduction to the fundamental principles of Biology is completed. After completing the introduction to living systems, the course proceeds to the study of the structure and function of living systems at the Molecular level. During this course students obtain a fundamental background in Darwinian Theory of Evolution, Evolution of Populations, the Origin of Species and the Evolutionary History of Biological Diversity.

Instructor

Dr. Michael Koptides

Course Aims and Objectives

Students cover the basic Molecular Cell Biology and should be able to associate the relationship between the molecular and cellular function. Students also get a basic background in Darwinian Theory of Evolution and the Evolution of Populations. This course, in connection with BIOL-150, will improve the students' background in Biology and will prepare them for more advanced courses in the Biological Sciences.

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

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|--------------------------|--------|
| 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