

Detailed syllabus

Course name

Introduction to Biology C

Lecturers

Dr. Biana Bernshtein, Dr. Adi Domer, Prof. Inon Scharf, Prof. Yossi Yovel

Semester

B

Course requirements

None

Final grade

Final exam (90%), four quizzes (10%)

Course structure

Topic of the lesson	Lesson #
Form, function & thermoregulation; Chemical Signals in animals	1
Nutrition and energy Balance; Respiration and circulation	2
Animal Excretory Systems; Animal Reproductive Systems	3
Development in Animals	4
Animal defenses against infection	5
Animal defenses against infection	6
Electrical Signals in Animals	7
Neural Regulation in Animals	8
Sensation & Movement in Animals	9
An overview of Ecology; Population Ecology and life-history traits	10
Biodiversity and communities	11
Energy flow and chemical cycling; Conservation and global Ecology	12
Behavioral Ecology	13

Textbook

Biology, A Global Approach, 10th Edition (2014) Pearson Publishers, chapters 40-56.
Older editions are also suitable.

* The order of lectures may change.