



Detailed syllabus

Course name

Introduction to Biology C

Lecturers

Prof. Adit Ben-Baruch, Prof. Yoav Gothilf, Prof. Amir Ayali, Prof. Inon Scharf

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 Animal	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
Behavioral Ecology	10
An overview of Ecology; Population and life-history traits	11
Biodiversity and communities	12
Energy flow and chemical cycling; Conservation and global Ecology	13

Textbook

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