



Detailed syllabus

Course name

Introduction to Biology C

Lecturers

Prof. Adit Ben-Baruch, Prof. Yoav Gothilf, Prof. Pablo Blinder, 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 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.