

# ECOLOGY AND NATURE CONSERVATION

## TIME TABLE FOR THE FALL SEMESTER (A)- ACADEMIC YEAR 2019/2020

Students are required to complete the courses from the list below during in their **first** semester of studies:

**900-5-5001** Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment - **MANDATORY** for all students. The course is in **Hebrew** <http://moodle2.bgu.ac.il/?lang=en>. <https://bgu4u.bgu.ac.il/pls/scwp!/app.gate?app=csh> and **English** <https://bgu4u.bgu.ac.il/pls/scwp!/app.gate?app=csh&lang=en> in the moodle system.

**900-5-2002** Training in Chemical & Biological Safety - **MANDATORY** for Students Who Work in Chemical and Biological Labs (Students should take the course every year. **Registration for the course is in the first and third semesters.** The course is in **Hebrew** <https://moodle2.bgu.ac.il/moodle/> and **English** in the moodle system <http://moodle2.bgu.ac.il/?lang=en>).

**470-2-0100** The Care and Use of Animals in Research - **MANDATORY** for Students Who Work with Animals

### Prerequisites:

Students without sufficient background will be required to complete individually-prescribed courses for no academic credit, typically yet not exclusively, including the following courses or their equivalents:

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
201-1-9141		Calculus C1	0	According to the Class and Exercise Group					
205-1-9011	Prof. Jerry Eichler & Prof. Amir Sagi	The Cell - Class	0	Tue	09:00-11:00	Beer Sheva			
		The Cell - Lab		According to the Lab Group					
205-1-1611	Dr. Ramon Birnbaum	Genetics A - Class	0	Tue	08:00-10:00	Beer Sheva			
		Genetics A - Exercise		According to the Exercise Group					
205-1-1021	Prof. Uri Abdu	Invertebrate Zoology - Class	0	Sun	10:00-12:00	Beer Sheva			
		Invertebrate Zoology - Lab		Wed	10:00-11:00		According to the Lab Group		

**Prerequisites (Continuation):**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
205-1-1031	Prof. Amos Bouskila	Vertebrate Zoology - Class	0	Sun	10:00-12:00	Beer Sheva			
		Vertebrate Zoology - Lab			Wed		10:00-12:00	According to the Lab Group	
205-1-3211	Prof. Ofer Ovadia and Prof. Burt Kotler	Ecology B - Class	0	Wed	13:00-15:00	Beer Sheva			
		Ecology B - Exercise		Wed	15:00-17:00		Beer Sheva		

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3037	Prof. Ariel Novoplansky	Tutorial in Evolution	0	Contact the lecturer					Oral Exam

**or**

205-1-3171	Dr. Shimon Bernstein	Evolution-Class	0	Sun	10:00-12:00	Beer Sheva			
		Evolution - Exercise		According to the Exercise Group					

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3021	Dr. Itamar Giladi	Biostatistics: ANOVA and Design of Experiments - Class	0	Tue	08:30-10:00	Sede Boqer	Biology	32	Take-Home Exam
		Biostatistics: ANOVA and Design of Experiments - Exercise		Wed	09:15-11:00				

**or**

205-2-9681	Prof. Ofer Ovadia	Statistical Principles in the Analysis of Research Data - Class	0	Sun	12:00-14:00	Beer Sheva			
	Prof. Ofer Ovadia and Ms. S. Livne	Statistical Principles in the Analysis of Research Data - Exercise		Sun	14:00-16:00		Beer Sheva		

**B. Mandatory Department Courses:**

Students are required to attend at least 80% of the Departmental Seminars and Workshops in each semester, throughout their studies.

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-6666	Dr. Shirli Bar-David and Dr. Michal Segoli	Departmental Seminar	0	Tue	12:00-13:00	Sede Boqer	Old. Adm. Building	Seminar Room	
205-2-2522	Prof. Yaron Ziv & Dr. Itamar Giladi	Workshop in Ecology and Environmental Sciences	0.5	Mon	12:00-14:00	Beer Sheva	38	10	
205-2-1601	Prof. Ofer Ovadia	Population Ecology - Class. Prerequisite: Ecology B	3	Mon	08:00-10:00	Beer Sheva	38	10	
		Population Ecology - lab		Mon	10:00-12:00	Beer Sheva	38	6	

In the third and fourth semesters, students must register for Thesis Writing.

Course No.	Lecturer	Subject	Credits
001-2-9991	--	Thesis Writing A	6
001-2-9992	--	Thesis Writing B	6

Students who have completed the above Thesis Writing courses and who continue their studies for a fifth semester must register for the course.

Course No.	Lecturer	Subject	Credits
001-2-1000	--	Thesis Writing - Continuation	0

**B. Mandatory Ecology Track - Evolutionary Ecology Track:**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3080	Dr. Michal Segoli	Life History Evolution	3	Tue	13:15-16:00	Sede Boqer	Biology	136	Final Term Paper

**B. Mandatory Ecology Track - Nature Conservation Track:**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3085	Prof. David Saltz and Dr. Uri Roll	Conservation Biology: Philosophy and Ethics	2	Tue	08:30-10:00	Sede Boqer	School	1	Final Term Paper
001-2-3087	Prof. David Saltz and Dr. Oded Berger-Tal	Conservation Ecology - Class	4	Mon	14:00-16:00	Beer sheva			Exam
		Conservation Ecology - Exercise			16:00-19:00	Beer Sheva			

**Limited Choice Courses:**

Limited choice courses belong to two course lists:

**List C:** Limited choice–program courses

**List D:** Limited choice –track courses

**Students are required to complete at least 2 courses from list C and a total of 4 courses from lists C and D.**

**C. Limited Choice – Program Courses**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3080	Dr. Michal Segoli	Life History Evolution	3	Tue	13:15-16:00	Sede Boqer	Biology	136	Final Term Paper

**D. Limited Choice – Track Courses: Evolutionary Track**

(Annotated by track: E-Evolutionary Track; C-Nature Conservation Track).

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3039	Prof. Boris Krasnov	Evolutionary Ecology of Parasitism	3	Tue	16:15-18:00	Sede Boqer	Biology	136	Final Term Paper
001-2-3335	Prof. Ariel Novoplansky	Camp Evolution	2	A five-day intensive course offered during the FALL break, 1-5 March, 2020, Ecology Building, Room No. 32. Course registration takes place during the registration period for the SPRING semester.					Final Term Paper

**D. Limited Choice – Track Courses: Nature Conservation Track** (Annotated by track: E-Evolutionary Track; C-Nature Conservation Track).

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3089	Dr. Oded Beger-Tal	Animal Behavior in Conservation Biology	3	Wed	15:15-18:00	Sede Boqer	Biology	32	Exam
001-2-3091	Dr. Merav Seifan	Contemporary Topics in Israeli Nature Conservation –Workshop	3	A six-day intensive course offered during the Passover break + five sessions, which will take place during the SPRING semester. The exact days will be scheduled with the students and the lecturer at the beginning of the semester.					Oral Presentation and Final Term Paper

**E. Elective Courses within the Program:**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments	
001-2-3035	Dr. Nurit Agam, Prof. Berry Pinshow, Prof. Scott Turner and Dr. Eugene Marais	Biophysical Ecology in the Namib Desert: Online Course and Field Workshop	4	The field trip to Namibia will be held on the FALL break. Upon returning home, student teams will continue their collaboration, working up their results online for presentation of a report and its possible publication. Course registration takes place during the registration period for the FALL semester						Final Term Paper
001-2-3039	Prof. Boris Krasnov	Evolutionary Ecology of Parasitism	3	Tue	16:15-18:00	Sede Boqer	Biology	136	Final Term Paper	
001-2-3078	Prof. Ariel Novoplansky	Personal Projects in Evolutionary Ecology	3	To be schedule with the students					Final Term Paper	
001-2-3090	Dr. Shirli Bar-David	Introduction to Molecular Ecology	2	Wed	11:15-13:00	Sede Boqer	Biology	32	Take Home Exam	
001-2-3091	Dr. Merav Seifan	Contemporary Topics in Israeli Nature Conservation –Workshop	3	A six-day intensive course offered during the Passover break + five sessions, which will take place during the SPRING semester. The exact days will be scheduled with the students and the lecturer at the beginning of the semester.					Oral Presentation and Final Term Paper	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2	Guided reading course - limited to two students						
001-2-3334	Prof. David Saltz	Self-Study (upon approval of student project)	2	Contact the lecturer						
001-2-3344	Dr. Shirli Bar-David	Guided Reading on Molecular Ecology	2	Guided reading course- limited to two students						
205-2-7032	Prof. Amos Bouskila	Solving Problems with R	2	Sun	08:00-10:00	Beer Sheva	35	404		
		Solving Problems with R - Exercise			10:00-12:00		35	402		

**F. Elective Courses outside the Program**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-0153	Prof. J. Gilron, Dr. S. Arnon, Dr. C. Arnush	Writing a Scientific Paper - Group 1	2	Tue	10:15-12:00	Sede Boqer	School	1	Final Term Paper
		Writing a Scientific Paper - Group 2		Tue	13:15-15:00	Sede Boqer	School	1	Final Term Paper
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	14:15-17:00	Sede Boqer	Biology	32	Final Term Paper
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Meeting Room (No.3) - Mitrani Dept. of Dryland Ecology			Final Term Paper
		Scientific Presentation (Group B)	2	Wed	13:15-15:00	Meeting Room (No. 3) - Mitrani Dept. of Dryland Ecology			Final Term Paper
001-2-4022	Prof. Ehud Meron	Pattern Formation and Spatial Ecology	3	Mon	13:15-16:00	Sede Boqer	Physics	Seminar Room	Final Term Paper
205-2-7032	Prof. Amos Bouskila	Solving Problems with R	2	Sun	08:00-10:00	Beer Sheva	35	404	
		Solving Problems with R - Exercise			10:00-12:00				
001-2-4028	Prof. Arnon Karnieli	Remote Sensing for Agriculture, Rangelands, and Forestry (no prerequisites required)	3	Tue	15:00-17:45	Sede Boqer	Physics	Seminar Room	Exam
001-2-4029	Prof. Yosef Ashkenazy	Introduction to Statistics and Probability	3	Wed	09:15-12:00	Sede Boqer	Physics	Seminar Room	Exam

**Elective courses from the Interuniversity Institute for Marine Sciences at Eilat (IUI):**

You may participate in one course per semester and no more than two courses during the 2-year program.

For more information please refer to: <http://www.iui-eilat.ac.il/Courses/Courses.aspx> (Courses are in Hebrew except international courses ). For registration please refer to: <http://www.iui-eilat.ac.il>. The Interuniversity Institute for Marine Sciences, Eilat (IUI), P.O. Box 469 Eilat, 88103. Students might register to more elective courses in the IUI, with the recommendation of his/her supervisor/s and the approval of the chairperson of the student's specialization track. Formal registration at Ben-Gurion University after acceptance by IUI.