

ECOLOGY AND NATURE CONSERVATION

TIME TABLE FOR THE FALL SEMESTER (A)- ACADEMIC YEAR 2020/2021

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 the MOODLE system (**Hebrew** - <https://moodle2.bgu.ac.il/moodle/> ; **English** - <http://moodle2.bgu.ac.il/?lang=en>). Registration: **Hebrew** - <https://bgu4u.bgu.ac.il/pls/scwp/!app.gate?app=csh> ; **English** - <https://bgu4u.bgu.ac.il/pls/scwp/!app.gate?app=csh&lang=en> .

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 semester of each academic year. The course is in the MOODLE system **Hebrew** - <https://moodle2.bgu.ac.il/moodle/> and **English** - <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
201-1-9431		The Mathematics of Systems 1 - Class	0	According to the Class and Exercise Group					
205-1-9011	Prof. Jerry Eichler & Prof. Amir Sagi	The Cell - Class	0	Tue	08:00-10:00 10:00-11:00	Beer Sheva	26	6	
		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	28	303	
		Genetics A - Exercise		According to the Exercise Group					
205-1-1021	Prof. Uri Abdu	Invertebrate Zoology - Class	0	Sun Wed	10:00-12:00 10:00-11:00	Beer Sheva			
		Invertebrate Zoology - Lab		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	26	6	
		Vertebrate Zoology - Lab		According to the Lab Group					
205-1-3211	Prof. Ofer Ovadia and Ms. Ella Pachter Zafrir	Ecology B - Class	0	Wed	13:00-15:00	Beer Sheva	28	303	
		Ecology B - Exercise		Wed	15:00-17:00				

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3037	Prof. Ariel Novoplansky	Tutorial in Evolution (can be completed during the program)	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 (can be completed during the program)	0*	Tue	08:30-10:00	Sede Boqer	Biology	32	Take-Home Exam
		Biostatistics: ANOVA and Design of Experiments - Exercise (can be completed during the program)		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	28	302	
	Prof. Ofer Ovadia and Ms. S. Livne	Statistical Principles in the Analysis of Research Data - Exercise		Sun	14:00-16:00				

* 3 credit for non-ecology students

A. 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. Uri Roll	Departmental Seminar	0	Tue	12:00-13:00	Sede Boqer	Old. Adm. Building	Seminar Room	
205-2-2524	Prof. Yaron Ziv & Dr. Itamar Giladi	Workshop in Ecology and Environmental Sciences	0.5	Mon	12:00-14:00	Beer Sheva	38	6	
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	
205-2-5021	Dr. Moshe Kiflawi	Methods in Ecology	3	An eight-day intensive course during the FALL break: 7-10/2/2021 and 14-17/2/2021 in ZOOM. From 9:00 and end at 17:00 (on 7/2/2021: 10:00-17:00). Registration during the registration period on the FALL semester.					

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
001-2-3084	Dr. Michal Segoli	Evolutionary Ecology.	4	Tue	13:15-17:00	Sede Boqer	Biology	136	Take-Home Exam

B. Mandatory Ecology Track - Nature Conservation Track:

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3085	Dr. Uri Roll	Conservation Biology: Philosophy and Ethics	2	Tue	08:30-10:00	Sede Boqer	Biology	A3	Final Term Paper
001-2-3087	Dr. Oded Berger-Tal	Conservation Ecology - Class	4	Wed	14:00-16:00	Beer Sheva			Exam
		Conservation Ecology - Exercise			16:00-19:00				

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
001-2-3084	Dr. Michal Segoli	Evolutionary Ecology.	4	Tue	13:15-17:00	Sede Boqer	Biology	136	Take-Home Exam

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
001-2-3001	Prof. Ariel Novoplansky	Evolutionary Ecology of Phenotypic Plasticity. Prerequisite: Introduction to Ecology or Introduction to Biology or Equivalent Courses	3	Tue	17:15-20:00	Sede Boqer	Biology	136	Final Term Paper
001-2-3039	Prof. Boris Krasnov	Evolutionary Ecology of Parasitism	3	Wed	14:15-17:00	Sede Boqer	Biology	A3	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
001-2-3093	Dr. Michal Segoli	Arthropod Behavior and Agroecology	2						A one week intensive course offered during the FALL break, 21-25.2.2021 (Ecology Building, room 32). Registration on SPRING semester.

E. Elective Courses within the Program:

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-3035	Prof. Berry Pinshow, Prof. Scott Turner and Dr. Eugene Marais	Biophysical Ecology in the Namib Desert: Online Course	2		ZOOM lectures Wed. 17:00-19:0				Final Term Paper
001-2-3039	Prof. Boris Krasnov	Evolutionary Ecology of Parasitism	3	Wed	14:15-17:00	Sede Boqer	Biology	A3	Final Term Paper
001-2-3078	Prof. Ariel Novoplansky	Personal Projects in Evolutionary Ecology	3		To be schedule with the students				Final Term Paper

E. Elective Courses within the Program (Continuation):

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments	
001-2-3091	Prof. 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. Registration on SPRING 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	
001-2-3344	Dr. Shirli Bar-David	Guided Reading on Molecular Ecology	2						Guided reading course- limited to two students	

F. Elective Courses outside the Program:

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
001-2-0153	Prof. Shai Arnon and Dr. Chris Arnush	Writing a Scientific Paper - Group 1	2	Tue	10:15-12:00	Sede Boqer	School	1	Average of Home Assignments
		Writing a Scientific Paper - Group 2		Tue	13:15-15:00	Sede Boqer	School	1	Average of Home Assignments
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Final Term Paper
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	Final Term Paper
		Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	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 - Class	2	Thu	08:00-10:00	Beer Sheva			
		Solving Problems with R - Exercise			10:00-12:00				

F. Elective Courses outside the Program (Continuation):

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Final Assignments
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
205-2-9531	Dr. Tal Shai and Dr. Alal Eran	Introduction to Bioinformatics - Class (upon the request of at least 10 students)	3	Tue	10:00-12:00	Beer Sheva			
		08:00-10:00							

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.