

Desert Studies

Semester: 2024-B

Environmental and Aquatic Microbiology-New

A

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-0153 G1	Dr. Chris Arnush, Dr. Scott Hansen	Writing a Scientific Paper - Goup 1	2	Tue	13:15-15:00	Sede Boqer	School		1 Students are required to complete the course in their second semester of studies
001-2-0153 G2	Dr. Chris Arnush, Dr. Scott Hansen	Writing a Scientific Paper - Group2	2	Mon	09:00-10:45	Sede Boqer	School		1 Students are required to complete the course in their second semester of studies
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0			Online program			
900-5-2002	Online Program	Training in Chemical & Biological Safety	0			Online program			
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0			Online program			

B Core courses (at least 6 credits)

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Sun	15:15-18:00	Sede Boqer	Water Inst.	Seminar Room	

C Seminars and Thesis Writing - Mandatory Courses:

* Students will take the seminars at their home institutes

Mandatory Courses

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Environmental and Aquatic Microbiology-New

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-2222	Prof. Gideon Grafi (coordinator)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2666	Prof. Shimon Rachmilevitch	Students Seminar (first year)	0.5	Wed	09:00-10:00	Sede Boqer	Biology	32	
001-2-2667	Prof. Shimon Rachmilevitch	Student Seminar (second year)	0.5	Wed	09:00-10:00	Sede Boqer	Biology	32	
001-2-5555	Dr. Avner Ronen (Coordinator)	Departmental Seminar	0	Wed	13:00-14:00	Sede Boqer	Old Admin. Build.	Seminar Room	Mandatory each semester. 4 times during the degree
001-2-6666	Prof. Uri Roll	Departmental Seminar	0	Tue	12:00-13:00	Sede Boqer	George Evans Auditorium		Mandatory each semester. 4 times during the degree
001-2-9991		Thesis Writing - A	6						Mandatory for students on their 3rd semester
001-2-9992		Thesis Writing - B	6						Mandatory for students on their 4th semester
001-2-9995	Prof. Roy Bernstein (Coordinator)	Student Seminar (first year)	0.5	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	Mandatory for students on their 1st year
001-2-9996	Prof. Roy Bernstein (Coordinator)	Student Seminar (second year)	0.5	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	Mandatory for students on their 2nd year
205-2-2521	Prof. Itamar Giladi & Prof. Yaron Ziv	Workshop in Ecology and Environmental Sciences	0.5	Mon	12:00-14:00	Beer Sheva			

D Limited choice (at least 9 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3086	Prof. Hadas Hawlena	Microbial Ecology from the Ecologist Point of View	3	Tue	09:15-12:00	Sede Boqer	Biology	136	

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	13- 22.02. 2024	08:30-18:00	Sede Boqer	Water Inst.	10	An eight-day intensive course offered during the summer. Registration during the spring registration period
001-2-5010	Prof. Zeev Ronen	Groundwater Microbiology	2	Mon	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5062	Prof. Edo Bar-Zeev	Introduction to Biofilms	3	Tue	10:15-13:00	Sede Boqer	Water Inst.	Seminar Room	

E Elective Courses (at least 9 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-0009	Prof. Avraham Beer	Physics of Bacterial Communities	3	Mon	11:15-14:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-1103	Prof. Hadas Hawlena	Introduction to Dryland Ecology	4	Wed	12:30-15:30	Sede Boqer	School	1	
001-2-2021	Prof. Dina Zilberg	Aquatic Animal Health	3	Thu	08:30-11:00	Sede Boqer	Biology	136	
001-2-2025	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (A) (Prerequisite: Theoretical fish diseases course)	1						for schedule please contact the lecturer.
001-2-2026	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (B) (Prerequisite: Theoretical fish diseases course)	1						for schedule please contact the lecturer
001-2-2027	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (C) (Prerequisite: Theoretical fish diseases course)	1						for schedule please contact the lecturer
001-2-2080	Dr. Nina Kamennaya	Physiology of aquatic microbes	3	Sun	10:15-13:00	Sede Boqer	Biology	32	
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students. Please contact the lecturer
001-2-3045	Dr. Shirli Bar-David	Conservation Genetics	3	Wed	11:15-14:00	Sede Boqer	Biology	136	

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Wed	14:00-16:00	Sede Boqer	Physics	Seminar Room	
001-2-3082	Prof. Itamar Giladi	Ecology and Evolution of Dispersal	3	Wed	15:15-18:00	Sede Boqer	48	2	
001-2-3083	Prof. Merav Seifan	Community Ecology	3	Tue	09:15-12:00	Sede Boqer	Biology	32	Frontal exam
001-2-3084	Prof. Michal Segoli	Evolutionary Ecology.	4	Tue	13:15-17:00	Sede Boqer	Biology	136	
001-2-3094	Prof. Uri Roll	Macroecology	2	Wed	09:15-11:00	Sede Boqer	Biology	136	
001-2-3344	Dr. Shirli Bar-David	Guided Reading on Molecular Ecology	2						Guided reading course-limited to two students. Please contact the lecturer
001-2-3355	Prof. Hadas Hawlena	Guided Reading in Microbial Ecology	2						Guided reading course-limited to two students. Please contact the lecturer
001-2-5060	Prof. Moshe Herzberg	Biological Processes in Wastewater Treatment	2	Thu	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Thu	09:15-10:00	Sede Boqer	Biology	32	
205-2-2123	Prof. Itzik Mizrahi	Microbial Ecology	3	Thu	10:00-14:00	Beer Sheva			Class+Exercise

F General Course (at least 3 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	14-19.04.2024		Sede Boqer	School	1	A five day intensive course offered during the fall break. Registration during the spring registration period. The course will be held contingent upon registration of minimum 4 students
001-2-2069	Prof. Inna Khozin-Goldberg	Lipid Biochemistry of Microalgae and Plants	3	Thu	11:15-14:00	Sede Boqer	Biology	136	

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5036	Dr. Avner Ronen	Environmental micropollutants & emerging contaminants	2	Sun	13:00-15:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam
205-2-1609	Dr. Shai Pilosof	Networks in Biology-Ecology	3	Mon	10:00-12:00	Beer Sheva			
369-2-3171	Prof. Ariel Kushmaro	Microbiology mirrored in film, literature and art	2	Mon	15:00-18:00	Beer-Sheva			

New - for students who began from October 2022