

Desert Studies

Semester: 2026-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	13:00-15:00	Sde Boker	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	09:00-11:00	Sde Boker	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			

C Seminars and Thesis Writing - Mandatory Courses:

* Students will take the seminars at their home institutes

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 extenstion
001-2-2222	Dr.Gilad Gabay(coordinator)	Departmental Seminar	0	Wed	11:30-12:30	Sde Boker	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	Sde Boker	Biology	32	

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Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2667	Prof. Shimon Rachmilevitch	Student Seminar (second year)	0.5	Wed	09:00-10:00	Sde Boker	Biology	32	
001-2-5555	Prof. Avner Ronen and Dr. Elad Levintal (Coordinator)	Departmental Seminar	0	Wed	13:00-14:00	Sde Boker	Old Admin. Build.	Seminar Room	Mandatory each semester. 4 times during the degree
001-2-6666	Dr. Sofia Bouchebti	Departmental Seminar	0	Tue	12:00-13:00	Sde Boker	Old Admin. Build.	Seminar Room	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 4rd semester
001-2-9995	Prof. Roy Bernstein (Coordinator)	Student Seminar (first year)	0.5	Wed	09:00-10:00	Sde Boker	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	09:00-10:00	Sde Boker	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	34	7	

D Limited choice (at least 9 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4065	Dr. Victor Yashunsky	Data-Based Research with Python	3	Tue	13:00-16:00	Sde Boker	Physics	Seminar Room	
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	TBD	08:30-18:00	Sde Boker	Water Inst.	10	An eight-day intensive course offered the summer
001-2-5010	Prof. Zeev Ronen	Groundwater Microbiology	2	Thu	14:00-16:00	Sde Boker	Water Inst.	10	
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Wed	15:00-18:00	Sde Boker	Water Inst.	Seminar Room	

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5062	Prof. Edo Bar-Zeev	Introduction to Biofilms	3	Tue	10:00-13:00	Sde Boker	Water Inst.	Seminar Room	

E Elective Courses (at least 9 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2021	Prof. Dina Zilberg	Aquatic Animal Health	3	Thu	08:30-11:00	Sde Boker	Biology	136	
001-2-2026	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (B) (Prerequisite: Theoretical fish diseases course)	1						for schedule please contact the lecturer
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	3	Wed	12:30-15:30	Sde Boker	Biology	32	
001-2-2080	Dr. Nina Kamennaya	Physiology of aquatic microbes	3	Wed	13:00-16:00	Sde Boker	School	2	
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2			Sde Boker			Guided reading course - limited to two students. Please coordinate with the course lecturer
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Tue	13:00-15:00	Sde Boker	Biology	32	
001-2-3082	Prof. Itamar Giladi	Ecology and Evolution of Dispersal	3	Thu	09:00-12:00	Sde Boker	School	1	
001-2-3083	Prof. Merav Seifan	Community Ecology	3	Tue	09:00-12:00	Sde Boker	Biology	32	Frontal exam
001-2-3094	Prof. Uri Roll	Macroecology	2	Wed	09:00-11:00	Sde Boker	Biology	136	
001-2-3344	Dr. Shirli Bar-David	Guided Reading on Molecular Ecology	2						Guided reading course - limited to two students. Please coordinate with the lecturer
001-2-5060	Prof. Moshe Herzberg	Biological Processes in Wastewater Treatment	2	Tue	16:00-18:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5074	Dr. Elad Levintal	Envirotech - do it yourself sensors for environmental research	3	Sun	15:00-18:00	Sde Boker	Water Inst.	Seminar Room	Course is limited to 8 students

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5076	Dr. Elad Levintal	Do-it-yourself sensors for environmental research – advanced course 2	1.5	Sun	13:00-15:00	Sde Boker	Water Inst.	10	This is a yearly course. Registration is contingent upon the successful completion of the Fall semester course 001.2.5075.

F General Course (at least 3 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5036	Prof. Avner Ronen	Environmental micropollutants & emerging contaminants	2	Sun	11:00-13:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam in Sde-Boker campus

New - for students who began from October 2022