

Desert Studies

Semester: 2025-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 Ovdia	The Care and Use of Animals in Research	0			Online program			2024-1/2 פתוח**
900-5-2002	Online Program	Training in Chemical & Biological Safety	0			Online program			2024-1 לא פתוח*
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0			Online program			2024-1 לא פתוח*

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 extension
001-2-2222	Dr. Gilad Gabai (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	Dr. 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	Prof. Itamar Giladi	Departmental Seminar	0	Tue	12:00-13:00	Sde Boker	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 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
205-2-2523	Prof. Itamar Giladi&Prof. Yaron Ziv	Workshop in Ecology and Environmental Sciences	0.5	Mon	12:00-14:00	Beer-Sheva	38	10	mandatory

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	09:00-12:00	Sde Boker	Biology	32	
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	07-16/09/2025	08:30-18:00	Sde Boker	Water Inst.	10	An eight-day intensive course offered during the summer 07-16/09/2025
001-2-5012	Prof. Zeev Ronen	Biodegradation Process of Synthetic Organic Compound in Water Soil	2	Thu	10:00-12:00	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
001-2-0009	Prof. Avraham Beer	Physics of Bacterial Communities	3	Mon	11:00-14:00	Sde Boker	Water Inst.	10	
001-2-1103	Prof. Hadas Hawlena	Introduction to Dryland Ecology	4	Wed	12:30-15:30	Sde Boker	School	1	
001-2-2021	Prof. Dina Zilberg	Aquatic Animal Health	3	Thu	08:30-11:00	Sde Boker	Biology	32	
001-2-2025	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (A) (Prerequisite: Theoretical fish diseases course)	1			Sde Boker			for schedule please contact the lecturer
001-2-2026	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (B) (Prerequisite: Theoretical fish diseases course)	1			Sde Boker			for schedule please contact the lecturer
001-2-2027	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (C) (Prerequisite: Theoretical fish diseases course)	1			Sde Boker			for schedule please contact the lecturer
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	12:30-15:00	Sde Boker	Biology	32	
001-2-2080	Dr. Nina Kamennaya	Physiology of aquatic microbes	3	Wed	13:00-16:00	Sde Boker	Physics	Seminar Room	
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2			Sde Boker			Guided reading course - limited to two students
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Tue	13:00-15:00	Sde Boker	Biology	136	
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			Sde Boker			Guided reading course-limited to two students
001-2-3355	Prof. Hadas Hawlena	Guided Reading in Microbial Ecology	2			Sde Boker			Guided reading course-limited to two students
001-2-5060	Prof. Moshe Herzberg	Biological Processes in Wastewater Treatment	2	Thu	15:00-17:00	Sde Boker	Water Inst.	Seminar Room	
205-2-2123	Prof. Itzik Mizrahi	Microbial Ecology	3	Thu	10:00-14:00	Beer Sheva			Class+Exercise

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F General Course (at least 3 credits)

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2069	Prof. Inna Khozin-Goldberg	Lipid Biochemistry of Microalgae and Plants	3	Thu	11:00-14:00	Sde Boker	Biology	32	
001-2-5036	Dr. Avner Ronen	Environmental micropollutants & emerging contaminants	2	Sun	13:00-15:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3			Online			Online course. Frontal exam in Sde-Boker campus
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