

# Desert Studies

Semester: 2025-A

## Environmental and Aquatic Microbiology-New

A

### Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-0153	Dr. Chris Arnush, Dr. Scott Hansen	Writing a Scientific Paper	2	Wed	14:00-16:00	Sde Boker	Water Inst.	15	Students are required to complete the course in their second semester of studies (or 3rd semester)
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
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sde Boker	Biology	32	Final exam in a computer lab.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students

# Environmental and Aquatic Microbiology-New

## Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exercise (can be completed during the program)		Wed	09:00-11:00	Sde Boker	School	Computer room	Final exam in a computer lab.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:00-18:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5073	Dr. Max Kolton	Practical microbial bioinformatics	2	Thu	10:00-12:00	Sde Boker	School	1	
001-2-5073EX	Dr. Max Kolton	Practical microbial bioinformatics	1	Thu	13:00-15:00	Sde Boker	School	1	

## 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. Max Kolton (coordinator)	Departmental Seminar	0	Wed	11:30-12:30	Sde Boker	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-5555	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. Lubin Yael	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 4th semester

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## Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
205-2-2524	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
001-2-2015	Prof. Dina Zilberg, Prof. Amit Gross	Introduction to Aquaculture	3	Tue	12:00-15:00	Sde Boker	Biology	136	
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	2-11/3/2025	08:30-18:00	Sde Boker	Water Inst.	10	An eight-day intensive course offered during the fall break 2-11/3/2025. Registration during the fall registration period
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Sun	12:00-15:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5063	Prof. Edo Bar-Zeev	Lab-course: New Methods in Biofilm Characterization	3	23-28/2/2025	08:30-17:00	Sde Boker	Water Inst.	Seminar Room	An intensive course offered during the FALL break 23-28/2/2025. Home Exam

## E Elective Courses (at least 9 credits)

### Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-0022	Dr. Anat Bernstein	Stable Isotope Application in Contaminant Hydrology	2	Wed	08:30-10:00	Sde Boker	Water Inst.	10	Frontal Exam
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

# Environmental and Aquatic Microbiology-New

## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2027	Prof. Dina Zilberg	Practical Fish Disease Diagnosis (C) (Prerequisite: Theoretical fish diseases course)	1						for schedule please contact the lecturer
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sde Boker	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:00-18:00	Sde Boker	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	2-6/3/2025		Sde Boker	Biology	136	A five-day intensive course offered during the fall break 2-6/3/2025
001-2-2060	Dr. Nina Kamennaya	History of the landuse, agriculture & domestication	2	Wed	09:00-11:00	Sde Boker	Biology	32	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:00-15:00	Sde Boker	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	9-13/3/2025	08:00-17:00	Sde Boker	Biology	32	5 days intensive course: (08:00 - 17:00) course offered during the Fall Break 9-13/3/2025
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students
001-2-3035	Prof. Berry Pinshow and Prof. J. Scott Turner	Biophysical Ecology in the Namib Desert: Online Course	2	Mon	17:00-19:00	Sde Boker	Biology	A3	
001-2-3045	Dr. Shirli Bar-David	Conservation Genetics	3	Wed	11:00-14:00	Sde Boker	Biology	136	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:00-13:00	Sde Boker	Biology	A3	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:00-15:00	Sde Boker	Biology	A3	
001-2-3084	Prof. Michal Segoli	Evolutionary Ecology	4	Tue	13:00-16:00	Sde Boker	School	1	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2			Sde Boker			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

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:00-17:00	Sde Boker	Water Inst.	Seminar Room	
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:00-10:00	Sde Boker	Biology	136	

## 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	9-13/3/2025		Sde Boker	School	2	A five day intensive course offered during the fall break 9-13/3/2025. Registration during the fall registration period. The course will be held contingent upon registration of minimum 4 students
001-2-5029	Prof. Noam Weisbrod	Rural Water Development	2	Mon	16:00-18:00	Sde Boker	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam in Sde-Boker campus
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	12:00-15:00	Beer-Sheva	90	243	

**New - for students who began from October 2022**