

Desert Studies

Semester: 2023-A

Environmental Microbiology - New October 2022

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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	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						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

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	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students

Environmental Microbiology - New October 2022

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	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*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	15:15 - 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

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. Nina Kamennaya&Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
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. Michal Segoli	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 4rd semester
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	

D Limited choice (at least 9 credits)

Environmental Microbiology - New October 2022

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	12:15-15:00	Sede Boqer	Biology	136	
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	

D1

Elective 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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break
001-2-2015	Prof. Dina Zilberg, Prof. Amit Gross	Introduction to Aquaculture	3	Tue	12:15-15:00	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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
001-2-2222	Dr. Nina Kamennaya&Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students
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	
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exercise (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3035	Prof. Berry Pinshow	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05- 14.02. 23					An eight-day concentrated course offered during the fall break
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:15 - 18:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	
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. Michal Segoli	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

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-9992		Thesis Writing -B	6						Mandatory for students on their 4rd semester
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	
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	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

D2

Elective 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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break

Environmental Microbiology - New October 2022

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	12:15-15:00	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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
001-2-2222	Dr. Nina Kamennaya & Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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	
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exercise (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3035	Prof. Berry Pinshow	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:15 - 18:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	
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. Michal Segoli	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 4rd semester
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	
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	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

D3

Elective 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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break
001-2-2015	Prof. Dina Zilberg, Prof. Amit Gross	Introduction to Aquaculture	3	Tue	12:15-15:00	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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
001-2-2222	Dr. Nina Kamennaya&Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students
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	
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exercise (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3035	Prof. Berry Pinshow	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:15 - 18:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	
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. Michal Segoli	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 4rd semester
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	

Environmental Microbiology - New October 2022

Elective 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	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

D4

Elective 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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break
001-2-2015	Prof. Dina Zilberg, Prof. Amit Gross	Introduction to Aquaculture	3	Tue	12:15-15:00	Sede Boqer	Biology	136	

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
001-2-2222	Dr. Nina Kamennaya & Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students
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	

Environmental Microbiology - New October 2022

Elective 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	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exersice (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3035	Prof. Berry Pinshow	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:15 - 18:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	
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. Michal Segoli	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 4rd semester
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	
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	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

E Elective Courses (at least 9 credits)

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
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	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students

Environmental Microbiology - New October 2022

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	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	

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	12-16.02.2023					A five day concentrated course offered during the fall break
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	

G

Elective 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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
001-2-1000		Thesis Writing - Continuation	0						Mandatory for students on study extension
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break

Environmental Microbiology - New October 2022

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	12:15-15:00	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
001-2-2036	Prof. Gideon Grafi	Molecular Biology and Epigenetics	2	Sun	08:30-10:00	Sede Boqer	Biology	32	Home Exam
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2040	Prof. Gideon Grafi	Lab Course in Epigenetics	4	12-16.02.2023					A five-day concentrated course offered during the fall break
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	08:30-11:00	Sede Boqer	Biology	136	
001-2-2070	Prof. Inna Khozin-Goldberg	Biology and Biotechnology of Microalgae	3	Tue	12:15-15:00	Sede Boqer	Biology	32	
001-2-2076	Dr. Nina Kamennaya	Practical Environmental Cytometry	2.5	26.02-02.03.2023					Concentrated course: (08:00 - 17:00) 5 days course offered during the Fall Break, 26.02-02.03.2023
001-2-2222	Dr. Nina Kamennaya & Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	Old Admin. Build.	1	Mandatory each semester. 4 times during the degree
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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	
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sede Boqer	Biology	32	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exercise (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Home Exam.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3035	Prof. Berry Pinshow	Biophysical Ecology in the Namib Desert: Online Course	2	Thu	17:00-19:00	Sede Boqer	48	1	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	
001-2-3333	Prof. Boris Krasnov	Guided Reading on the Ecology of Parasites and Parasitism	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5011	Prof. Zeev Ronen	Environmental Microbiology	3	Thu	15:15 - 18:00	Sede Boqer	Water Inst.	Seminar Room	
001-2-5028	Prof. Moshe Herzberg	Microbial Biofilms in Water and Wastewater Treatment Processes (prerequisite: Introduction to Microbiology)	2	Tue	15:15-17:00	Sede Boqer	Water Inst.	Seminar Room	

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5029	Prof. Noam Weisbrod	Rural Water Development)	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5059	Prof. Osnat Gillor	Water Microbiology	3	Thu	09:15-12:00	Sede Boqer	School	1	
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course
001-2-5072	Dr. Max Kolton	Discussions in microbial ecology	1	Wed	09:15-10:00	Sede Boqer	Water Inst.	Seminar Room	
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. Michal Segoli	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 4rd semester
205-2-1601	Prof. Ofer Ovadia	Ecology of Populations	3	Mod	08:00-10:00	Beer Sheva	38	10	
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	
369-2-6451	Prof. Ariel Kushmaro	Molecular Aspects in Microbial and Bio-Environmental Ecology	3	Mon	13:00-16:00	Beer Sheva	90	243	
470-2-0100	prof. Roi Gazit and Dr. Shira Ovadia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)

Environmental Microbiology - New October 2022

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

New - for students who began from October 2022