

# Desert Studies

Semester: 2024-B

## Agriculture and Biotechnology of Drylands

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 - Students are required to attend four core courses selected from all core courses**

### Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2005	Prof. Jhonathan Ephrath&Prof. Vered Tzin	Plant Physiology under Stress	2	Tue	09:15-11:00	Sede Boqer	School	2	
001-2-2035	Prof. Naftali Lazarovitch	Crop Irrigation Regimes	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2059	Prof. Shimon Rachmilevitch	Carbon Metabolism and Photosynthesis in a Changing Environment	2	Wed	13:15-15:00	Sede Boqer	Biology	32	

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## Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2065	Prof. Aaron Fait	The Physiology and Metabolism of Fruits: Genetics Vs Environment	4	Mon	12:00-15:30	Sede Boqer	Biology	32	

## C Seminars and Thesis Writing - Mandatory Courses

Students are required to attend Departmental Seminars (one seminar per semester)

Students are required to present two seminars (one student seminar per year)

In the third and fourth semesters, students must register for Thesis Writing

## 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
001-2-1011		Writing Thesis - 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	
001-2-9991		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

## D

## 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	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.

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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
001-2-2028	Prof. Shmuel Appelbaum	Guided Reading on Economical Utilization of Food Industry Wastes as Aquaculture Feeds, Particularly in Arid lands	2						for schedule please contact the lecturer Guided reading course - limited to two students
001-2-2049	Prof. Noemi Tel-Zur	Physiology, Reproduction and Use of Cactus Species	2	Tue	13:15-15:00	Sede Boqer	Biology	32	
001-2-2051	Prof. Inna Khozin-Goldberg	Guided Reading on Lipid Metabolism	2			Sede Boqer			Guided reading course - limited to two students.for schedule please contact the lecturer
001-2-2054	Prof. Shimon Rachmilevitch	Guided Reading on Topics in the Ecophysiology of Desert Plants	2						Guided reading course - limited to two students. for schedule please contact the lecturer
001-2-2069	Prof. Inna Khozin-Goldberg	Lipid Biochemistry of Microalgae and Plants	3	Thu	11:15-14:00	Sede Boqer	Biology	136	
001-2-2071	Prof. Vered Tzin	Molecular Mechanism of Plant-Insect Interactions	3	Mon	08:30-11:30	Sede Boqer	Biology	32	
001-2-2080	Dr. Nina Kamennaya	Physiology of aquatic microbes	3	Sun	10:15-13:00	Sede Boqer	Biology	32	
001-2-2289	Prof. Simon Barak	Guided Reading on Molecular and Systems Biology Approaches to Plant Stress Tolerance Research	2						Guided reading course-limited to two students. Please contact the lecturer
001-2-2290	Prof. Dina Zilberg	Guided Reading on Aquatic Animal Health	2						Guided reading course - limited to two students. Please contact the lecturer

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2300	Prof. Vered Tzin	Guided Reading on Plant Metabolism: Authentic to Synthetic	2			Sede Boqer			Guided reading course - limited to two students. Please contact the lecturer
001-2-2302	Dr. Ilya Gelfand	Guided Reading on Ecosystem Ecology and Biogeochemistry	2						Guided reading course - limited to two students. Please contact the lecturer
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Wed	14:00-16:00	Sede Boqer	Physics	Seminar Room	

## E General courses (2-3 credits point in total)

### 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
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam
001-2-6002	Dr. Aviva Peeters	Theory and Applications of Geographic Information Systems (GIS)	3	Tue	15:30-18:30	Sede Boqer	School	Computer Room	