

# Desert Studies

Semester: 2026-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	13:00-15:00	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			

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&Dr. Gilad Gabay	Plant Physiology under Stress	2	Tue	09:00-11:00	Sde Boker	School	2	
001-2-2035	Prof. Naftali Lazarovitch	Crop Irrigation Regimes	3	Tue	15:00-18:00	Sde Boker	Biology	32	Home Exam

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- 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
001-2-2222	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	
001-2-2667	Prof. Shimon Rachmilevitch	Student Seminar (second year)	0.5	Wed	09:00-10:00	Sde Boker	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	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
001-2-2028	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
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	3	Wed	12:30-15:30	Sde Boker	Biology	32	

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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 and approval please contact the lecturer
001-2-2067	Prof. Jhonathan Ephrath	Understanding and Modeling of Agricultural Systems - Guided reading	2	Tue	11:00-13:00	Sde Boker			Guided reading course - limited to two students. for approval please contact the lecturer
001-2-2080	Dr. Nina Kamennaya	Physiology of aquatic microbes	3	Wed	13:00-16:00	Sde Boker	School	2	
001-2-2205	Prof. Ido Regev	Modeling in the Earth Sciences	3	Thu	10:00-13:00	Sde Boker	Physics	Seminar Room	
001-2-2289	Prof. Simon Barak	Guided Reading on Molecular and Systems Biology Approaches to Plant Stress Tolerance Research	2			Sde Boker			Guided reading course - limited to two students. Please coordinate with the course lecturer
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
001-2-2303	Dr. Gilad Gabay	Functional Genomic Approaches in Plant Breeding	2	Thu	10:00-12:00	Sde Boker	Biology	32	
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Tue	13:00-15:00	Sde Boker	Biology	32	

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

## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam in Sde-Boker campus
001-2-6002	Dr. Aviva Peeters	Theory and Applications of Geographic Information Systems (GIS)	3	TBD		Sde Boker	School	Computer Room	Summer course. Registration during the summer registration period.

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