

Desert Studies

Semester: 2025-B

Irrigation and Plant Environment

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			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*

B Core Courses within the Track of Study:

Students are required to take 15 credits from the course courses

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2005	Prof. Jhonathan Ephrath	Plant Physiology under Stress	2	Tue	09:00-11:00	Sde Boker	School	2	
001-2-2006	Prof. Naftali Lazarovitch&Dr. Ran Erel	Mechanistic Approach to Plant Nutrition	2	Mon	09:00-11:00	Sde Boker	Biology	32	This course will be taught once every 2 years
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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Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2204	Dr. Gilboa Arye	Agricultural and Environmental Aspects in Soil Sciences	3	Wed	15:00-18:00	ZOOM			

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 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	
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

D1 Elective Courses within the track of study

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-1103	Prof. Hadas Hawlena	Introduction to Dryland Ecology	4	Wed	12:30-15:30	Sde Boker	School	1	
001-2-2067	Prof. Jhonathan Ephrath	Understanding and Modeling of Agricultural Systems - Guided reading	2	Tue	11:00-13:00	Sde Boker			please contact the lecturer
001-2-3047	Prof. Merav Seifan	Global Changes and the biodiversity crisis	2	Tue	13:00-15:00	Sde Boker	Biology	136	

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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	
001-2-5004	Dr. Elad Levintal and Dr. Tuvia Turkeltaub	Field Methods in Hydrology	3	09-13/03/2025	08:00-18:00	Sde Boker	Water Inst.	Seminar Room	A five-day intensive course offered in the fall break 09-13.03.2025. Registration during the spring registration period
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	
001-2-5074	Dr. Elad Levintal	Envirotech - do it yourself sensors for environmental research	3	Sun	15:00-18:00	Sde-Boker	Water Inst.	Seminar Room	Course is limited to 8 students
001-2-6002	Dr. Aviva Peeters	Theory and Applications of Geographic Information Systems (GIS)	3	Thu	09:00-12:00	Sde Boker	School	Computer Room	

D2 Elective courses for students who are in their second year of studies with the approval of their supervisor

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			Sde Boker			Guided reading course - limited to two students. for schedule and approval please contact the lecturer