

Desert Studies

Semester: 2026-A

Irrigation and Plant Environment

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 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
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:00-18:00	Sde Boker	Biology	32	Home Exam
001-2-2203	Dr. Gilboa Arye	Adsorption and Reactivity of Chemicals in Soils	3	Mon	15:00-18:00	Sde Boker	zoom		Will be held on zoom
001-2-5030	Prof. Nurit Agam	Hydrometeorology	3	Wed	15:00-17:45	Sde Boker	Biology	136	

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

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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 extenstion
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
001-2-9991		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
001-2-0022	Dr. Anat Bernstein	Stable Isotope Application in Contaminant Hydrology	2	Wed	08:30-10:00	Sde Boker	Water Inst.	10	Frontal Exam
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	22-26/02/2026		Sde Boker	School	1	Five-day intensive course offered during the Fall Break. The course will be held contingent upon registration of minimum 4 students
001-2-2043	Prof. Shimon Rachmilevitch	Plant Stress Indications: Methods and Instrumentation	2	15-17/02/2026		Sde Boker	Biology	32	Three-day intensive workshop offered during the Fall Break
001-2-2301	Prof. Nurit Agam	Guided Reading Course on Calculating the Aridity Index from Meteorological Time Series	2			Sde Boker			Guided reading course - limited to two students. Please coordinate with the course lecturer
001-2-5004	Dr. Elad Levintal and Dr. Tuvia Turkeltaub	Field Methods in Hydrology	3	15-19/02/2026		Sde Boker	Water Inst.	Seminar Room	Five-day intensive course offered during the Fall Break

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	22-26/02/2026 + 01-03/03/2026	08:30-18:00	Sde Boker	Water Inst.	Seminar Room	Eight-day intensive course offered during the Fall Break
001-2-5029	Prof. Noam Weisbrod	Rural Water Development	2	Mon	16:00-18:00	Sde Boker	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5075	Dr. Elad Levintal	Do-it-yourself sensors for environmental research – advanced course 1	1.5	Sun	13:00-15:00	Sde Boker	Water Inst.	Seminar Room	This is a yearly course. Completion of the course is contingent upon registration in both the fall (001.2.5075) and spring semesters under course number 001.2.5076.

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						Guided reading course - limited to two students. for schedule and approval please contact the lecturer
001-2-2060	Dr. Nina Kamennaya	History of the landuse, agriculture & domestication	2	Wed	09:00-11:00	Sde Boker	Biology	32	
001-2-2081	Dr. Tarin Paz-Kagan & Dr. Tamir Caras	UAVs for environmental and agriculture research	3	08-12/02/2026	08:30-16:45	Sde Boker	Biology	32	Five-day intensive course offered during the Fall Break in Sde Boker campus. Frontal Exam

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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	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
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	