

Desert Studies

Semester: 2026-A
 Aggroinformatics-New
 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 Students are required to take all 6 credits from the core courses during the course of study:

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	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
001-2-5066	Dr. Scott K. Hansen	Introduction to Scientific Computing with Python	3	Tue	10:00-13:00	Sde Boker	School	1	The course will be held if a minimum of 3 students are registered

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Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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

Elective 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

D1 Students are required to complete 1 course in this category during the course of study:

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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
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

D2 Students are required to complete 1 course in this category during the course of study:

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4029	Prof. Yosef Ashkenazy	Introduction to statistics and probability using Python	3	Wed	09:00 -12:00	Sde Boker	Physics	Seminar Room	Frontal Exam

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4054	Prof. Golan Bel	Statistical Analysis	3	Thu	09:00-12:00	Sde Boker	Physics	Seminar Room	

D3 Students are required to complete 2 courses in this category during the course of study:

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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
001-2-9301	Dr. Tarin Paz-Kagan	Introduction to Image Processing and Computer Vision	3	Thu	11:00-14:00	Beer Sheva	34	116	

D4 Students are required to complete 2 courses in this category during the course of study:

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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

E Elective courses Students are required to complete 5 credits courses in this category during the course of study:

Elective 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
001-2-2066	Prof. Aaron Fait	Metabolomics Laboratory	2	01-05/03/2026		Sde Boker	Biology	136	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
001-2-5075	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.

New - for students who began from November 2024