Desert Studies

Semester: **2026-B**

Agroinformatics-New

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   Students are required to take all 6 credits from the core courses during the course of study:

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4065	Dr. Victor Yashunsky	Data-Based Research with Python	3	Tue	12:00-15:00	Sde Boker	Physics	Seminar Room	

C

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem

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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
001-2-2666	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

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 extenstion

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

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	3	Wed	12:30-15:30	Sde Boker	Biology	32	

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4063	Dr. Victor Yashunsky	Hands-on Image and Video Analysis without Coding: From Acquisition to Quantification	3	Tue	16:00-19:00	Sde Boker	Physics	Seminar Room	
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	TBD	08:30-18:00	Sde Boker	Water Inst.	10	An eight-day intensive course offered the summer

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

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
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

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
001-2-4024	Prof. Arnon Karnieli and Dr. Natalia Panov	Satellite Image Processing	3	Tue	09:00-12:00	Sde Boker	School	Computer Room	
001-2-5070	Dr. Scott K. Hansen	Practical Data Science and Machine Learning	3	Tue	15:00-18:00	Sde Boker	Water Inst.	10	The course will be held if a minimum of 3 students are registered
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.
377-2-5211	Prof. Yitzhak Yitzhaky	Selected topics in image processing	3	Tue	17:00-20:00	Beer-Sheva	90	235	

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
001-2-3094	Prof. Uri Roll	Macroecology	2	Wed	09:00-11:00	Sde Boker	Biology	136	

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
001-2-2035	Prof. Naftali Lazarovitch	Crop Irrigation Regimes	3	Tue	15:00-18:00	Sde Boker	Biology	32	Home Exam
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

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2205	Prof. Ido Regev	Modeling in the Earth Sciences	3	Thu	10:00-13:00	Sde Boker	Physics	Seminar Room	
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	
001-2-4063	Dr. Victor Yashunsky	Hands-on Image and Video Analysis without Coding: From Acquisition to Quantification	3	Tue	16:00-19:00	Sde Boker	Physics	Seminar Room	
001-2-5076	Dr. Elad Levintal	Do-it-yourself sensors for environmental research – advanced course 2	1.5	Sun	13:00-15:00	Sde Boker	Water Inst.	10	This is a yearly course. Registration is contingent upon the successful completion of the Fall semester course 001.2.5075.

New - for students who began from November 2024