

# Desert Studies

Semester: 2023-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	Tue	13:15-15:00	Sede Boqer	Water Inst.	15	Students are required to complete the course in their second semester of studies
470-2-0100	prof. Roi Gazit and Dr. Shira Ovardia	The Care and Use of Animals in Research	0						MANDATORY for Students Who Work with Animals once per degree
900-5-2002	Online Program	Training in Chemical & Biological Safety	0						MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year)
900-5-5001	Online Program	Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment	0						MANDATORY for all students on the first year

### 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
001-2-2006	Prof. Naftali Lazarovitch & Dr. Ran Erel	Mechanistic Approach to Plant Nutrition	2	Tue	09:15-11:00	Sede Boqer	Biology	136	This course will be taught once every 2 years
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam

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## Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2203	Dr. Gilboa Arye	Adsorption and Reactivity of Chemicals in Soils	3	Mon	15:15-18:00	Sede Boqer	Biology	32	
001-2-5030	Prof. Nurit Agam	Hydrometeorology	3	Wed	15:00-17:45	Sede Boqer	Biology	32	

## 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
001-2-1011		Writing Thesis - Continuation	0						Mandatory for students on study extension
001-2-2222	Dr. Nina Kamennaya&Dr. Ilya Gelfand (Coordinators)	Departmental Seminar	0	Wed	11:30-12:30	Sede Boqer	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

## D Elective Courses within the track of study

### Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	12-16.02.2023					A five day concentrated course offered during the fall break
001-2-2043	Prof. Shimon Rachmilevitch	Plant Stress Indications: Methods and Instrumentation	2	27.02-01.03.2023					A 3-day concentrated workshop offered during the fall break

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2067	Prof. Jhonathan Ephrath	Understanding and Modeling of Agricultural Systems - Guided reading	2	Tue	10:00-12:00	Sede Boqer	Biology	32	
001-2-2075	Dr. Ilya Gelfand	Terrestrial Biogeochemistry	3	Mon	08:15-11:00	Sede Boqer	Biology	32	
001-2-2205	Dr. Ido Regev	Modeling in the Earth Sciences	3	Thu	12:15-15:00	Sede Boqer	Physics	Seminar Room	
001-2-2301	Prof. Nurit Agam	Guided Reading Course on Calculating the Aridity Index from Meteorological Time Series	2						Guided reading course - limited to two students
001-2-2302	Dr. Ilya Gelfand	Guided Reading on Ecosystem Ecology and Biogeochemistry	2						Guided reading course - limited to two students
001-2-5005	Prof. Amit Gross, Prof. Zeev Ronen	Laboratory Methods for Environmental Studies	3	05-14.02.23					An eight-day concentrated course offered during the fall break
001-2-5029	Prof. Noam Weisbrod	Rural Water Development )	2	Mon	16:15-18:00	Sede Boqer	Water Inst.	Seminar Room	(minimum 12 students)
001-2-5055	Prof. Naftali Lazarovitch, Prof. Ofer Dahan	Operation and Analysis of Environmental Monitoring Systems	1	19-21.02.2023	09:00-14:00	Sede Boqer			A semi concentrated course offered during the FALL break. Registration period of the spring semester

## E 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
001-2-3001	Prof. Ariel Novoplansky	Evolutionary Ecology of Phenotypic Plasticity. Prerequisite: Introduction to Ecology or Introduction to Biology or Equivalent Courses	3	Tue	17:15-20:00	Sede Boqer	Biology	136	
001-2-3079	Prof. Ariel Novoplansky	Scientific Presentation (Group A)	2	Wed	11:15-13:00	Sede Boqer	Biology	32	

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## Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3079 GB	Prof. Ariel Novoplansky	Scientific Presentation (Group B)	2	Wed	13:15-15:00	Sede Boqer	Biology	32	