

Environmental Physics and Solar Energy

Semester: 2024-A

Environmental Physics and Solar Energy

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 (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 Seminars & Thesis Writing: Students are required to attend Departmental Seminars (one seminar per semester). In the third and fourth semester, 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
001-2-4444	Prof. Eugene Katz&Dr. Naftali Smith (coordinators)	Departmental Seminar A (first year)	0.25	Tue	11:00-12:00	Sede Boqer	Physics	Seminar Room	
001-2-4454	Prof. Eugene Katz&Dr. Naftali Smith (coordinators)	Departmental Seminar B (first year)	0.25	Tue	11:00-12:00	Sede Boqer	Physics	Seminar Room	

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Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4464	Prof. Eugene Katz&Dr. Naftali Smith (coordinators)	Departmental Seminar A (second year)	0.25	Tue	11:00-12:00	Sede Boqer	Physics	Seminar Room	
001-2-4474	Prof. Eugene Katz&Dr. Naftali Smith (coordinators)	Departmental Seminar B (second year)	0.25	Tue	11:00-12:00	Sede Boqer	Physics	Seminar Room	
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

C Core Courses: 9 credits

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4038	Prof. Golan Bel / Dr. Ido Regev*	Stochastic Processes in Physics	3	Thu	15:15-18:00	Sede Boqer	Physics	Seminar Room	

D Elective Courses: 18 credits

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	14-19.04.2024		Sede Boqer	School	1	A five day intensive course offered during the fall break. Registration during the spring registration period. The course will be held contingent upon registration of minimum 4 students
001-2-2038	Prof. Naftali Lazarovitch	Soil Physics	3	Tue	15:15-18:00	Sede Boqer	Biology	32	Home Exam
001-2-2205	Dr. Ido Regev	Modeling in the Earth Sciences	3	Thu	10:15-13:00	Sede Boqer	Physics	Seminar Room	

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4012	Prof. Isaak Rubinstein	Electro-Diffusion of Ions and Membrane Desalination Processes	3						schedule will be coordinated between the lecturer and the students
001-2-4016	Dr. Leah Orlovsky	Geography of Desertification	2	Sun	12:15-14:00	Sede Boqer	Physics	1	
001-2-4026	Prof. Yosef Ashkenazy	Introduction to the Physics of Atmospheres	3	Mon	14:15-17:00	Sede Boqer	Physics	Seminar Room	
001-2-4029	Prof. Yosef Ashkenazy	Introduction to statistics and probability using Python	3	Mon	10:15 -13:00	Sede Boqer	Physics	Seminar Room	Frontal Exam
001-2-4031	Prof. Isaak Rubinstein	Topics in Physico-Chemical Hydrodynamics and Electrodiffusion (A)	2						schedule will be coordinated between the lecturer and the students
001-2-4052	Dr. Mohammed Bashouti	Fundamentals of Semiconductors	3	Wed	12:15-15:00	Sede Boqer	Physics	Seminar Room	
001-2-4062	Dr. Naftali Smith	Introduction to rare events	3	Tue	12:15-15:00	Sede Boqer	Physics	Seminar Room	Home Exam
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal Exam
001-2-7011	Prof. Arik Yochelis	Numerical Analysis Using MATLAB	3	Tue	15:15-18:00	Sede Boqer	Solar	Seminar Room	