Environmental Physics and Solar Energy

Semester: **2026-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	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 **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 extenstion
001-2-4444	Prof. Eugene Katz and Dr. Victor Yashunsky(coordinators)	Departmental Seminar A (first year)	0.25	Tue	11:00-12:00	Sde Boker	Physics	Seminar Room	
001-2-4454	Prof. Eugene Katz and Dr. Victor Yashunsky(coordinators)	Departmental Seminar B (first year)	0.25	Tue	11:00-12:00	Sde Boker	Physics	Seminar Room	

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Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-4464	Prof. Eugene Katz and Dr. Victor Yashunsky(coordinators)	Departmental Seminar A (second year)	0.25	Tue	11:00-12:00	Sde Boker	Physics	Seminar Room	
001-2-4474	Prof. Eugene Katz and Dr. Victor Yashunsky(coordinators)	Departmental Seminar B (second year)	0.25	Tue	11:00-12:00	Sde Boker	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	Stochastic Processes in Physics	3	Tue	08:00-11:00	Sde Boker	Physics	Seminar Room	
001-2-4045	Prof. Eugene Katz	Physics of Solar Cells	3	Sun	09:00-12:00	Sde Boker	Solar	Seminar Room	Oral Exam
001-2-4060	Prof. Ido Regev	Partial Differential Equations in Continuum Transport Processes	3	Thu	12:00-15:00	Sde Boker	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	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

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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
001-2-4016	Dr. Leah Orlovsky	Geography of Desertification	2	Sun	12:00-14:00	Sde Boker	Solar	1	
001-2-4026	Prof. Yosef Ashkenazy	Introduction to the Physics of Atmospheres	3	Wed	13:00-16:00	Sde Boker	Physics	Seminar Room	
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
001-2-4052	Prof. Mohammed Bashouti	Fundamentals of Semiconductors	3	Mon	10:00-13:00	Sde Boker	Solar	Seminar Room	
001-2-4064	Prof. Mohammed Bashouti	Optoelectronics of Surfaces	3	Tue	13:00-16:00	Sde Boker			
001-2-5069	MOOC	Water & the Environment: Current challenges and solutions	3						Online course. Frontal exam in Sde-Boker campus
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.