

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 extension
001-2-4444	Prof. Eugene Katz and Dr. Victor Yashunsky(coordina tors)	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(coordina tors)	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(coordina-tors)	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(coordina-tors)	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	
001-2-5069	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.