

# Environmental Physics and Solar Energy

## TIME TABLE FOR THE SPRING SEMESTER (B)- ACADEMIC YEAR 2021/2022

### A. Mandatory Courses:

Students are required to complete one of the courses from the list below **in their second/third semester** of studies:

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Buildin	Room	Remarks
001-2-0153	Prof. Shai Arnon, Dr. Scott Hansen	Writing a Scientific Paper	2	Mon	09:00-10:45	Sede Boqer	School	1	To be taken in the student's second semester
001-2-0153	Prof. Shai Arnon, Dr. Scott Hansen	Writing a Scientific Paper - Goup 2	2	Tue	13:15-15:00	Sede Boqer	School	1	To be taken in the student's second semester

Students are required to complete the courses from the list below during in their **first** semester of studies:

**900-5-5001** Educational Software on Getting to Know the Law for the Prevention of Sexual Harassment - MANDATORY for all students once per degree. The course is in the MOODLE system (**Hebrew** - <https://moodle2.bgu.ac.il/moodle/> ; **English** - <http://moodle2.bgu.ac.il/?lang=en>). Registration: **Hebrew** - <https://bgu4u.bgu.ac.il/pls/scwp!/app.gate?app=csh> ; **English** - <https://bgu4u.bgu.ac.il/pls/scwp!/app.gate?app=csh&lang=en> .

**900-5-2002** Training in Chemical & Biological Safety - MANDATORY for Students Who Work in Chemical and Biological Labs (Students should take the course every year). Registration for the course is in the first semester of each academic year. The course is in the MOODLE system **Hebrew** - <https://moodle2.bgu.ac.il/moodle/> and **English** - <http://moodle2.bgu.ac.il/?lang=en>.

**470-2-0100** The Care and Use of Animals in Research - MANDATORY for Students Who Work with Animals once p

**B. Seminars and Thesis Writing -- Mandatory Courses:**

Students are required to attend Departmental Seminars (one seminar per semester).

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Buildin	Room
001-2-4444	Dr.Avi Niv and Dr. Ido Regev (Coordinators)	Departmental Seminar A (first year) -first semester	0.25	Tue	10:00- 12:00	Sede Boqer	Physics	Seminar Room
001-2-4454		Departmental Seminar B (first year) - second semester						
001-2-4464		Departmental Seminar A (second year) - third semester						
001-2-4474		Departmental Seminar B (second year) - fourth semester						

**In the third and fourth semesters, students must register for Thesis Writing.**

001-2-9991	--	Thesis Writing A	6	Students on their 3rd semester
001-2-9992	--	Thesis Writing B	6	Students on their 4th semester

Students who have completed the above Thesis Writing courses and who continue their studies for a fifth semester must register for this course.

Course No.	Lecturer	Subject	Credits
001-2-1000	--	Thesis Writing - Continuation	0

**C. Core Courses**

Course No.	Lecturer	Subject	Credits	Day	Time	Campus	Buildin	Room	Remarks
001-2-4027	Prof. Yossi Ashkenazy	Introduction to Geophysical Fluid Dynamic	3	Mon	13:15- 16:00	Sede Boqer	Physics	Seminar Room	
001-2-4050	Prof. Iris Visoly-Fisher	Nano-Materials and Nano-Technology for Sustainable Energy	3	Mon	10:15- 13:00	Sede Boqer	Physics	Seminar Room	
001-2-4053	Dr. Avi Niv	Thermodynamics of Radiating Systems and the Optics of Solar Cells	3	Wed	12:15- 15:00	Sede Boqer	Solar	Seminar Room	

**D. Elective Courses:**

001-2-0009	Prof. Avraham Be'er	Physics of Bacterial Communities	3	Mon	11:15-14:00	Sede Boqer	Water Inst.	Seminar Room	0
001-2-1103	Dr. Hadas Hawlena	Introduction to Dryland Ecology	4	Wed	12:30-15:30	Sede Boqer	School	1	0
001-2-4011	Dr. Roiy Sayag	Non-Newtonian Fluid Mechanics	3	Tue	12:15-15:00	Sede Boqer	Physics	Meeting Room - 2nd Floor	0
001-2-4048	Dr. Avi Niv	Physical Optics	3	Thu	09:15-12:00	Sede Boqer	Solar	Seminar Room	0
001-2-4056	Prof. Hezi Yizhaq	Aeolian Geomorphology	2	Thu	08:30-10:00	Sede Boqer	Physics	Seminar Room	0
001-2-5069	Prof. Amit Gross, Prof. Osnat Gilor, Prof. Ron Kasher, Prof. Edo Bar-Zeev	Water & the Environmnet: Current challeneges and solotions	3	Online course - Information was published					0
001-2-1200	Prof. Simon Barak & Dr. Buzi Raviv	BGU Radio Academy – Podcast production course	2	A five day intensive course offered during the FALL break in Sede Boker, February 13-17, 2022 . Class No. 1, School Building 48					0
205-2-1609	Dr. Shai Pilosof	Analysis of ecological-biological networks	3	Tue	14:00-16:00	Beer Sheva	34	103	0