Desert Studies

Semester: **2024-A**

Agroinformatics

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   Students are required to take all the core courses in the list below

Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-5066	Dr. Scott K. Hansen	Introduction to Scientific Computing with Python	3	Tue	10:15-13:00	Sede Boqer	Water Inst.	Seminar Room	

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 extenstion

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Mandatory Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2222	Prof.Gideon Grafi(coordinator)	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

D1   Bioinformatics - Students are required to choose 1 of 3 courses according to the program

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2046	Prof. Aaron Fait	Analysis of Biological Networks	2.5	Wed	13:00-16:00	Sede Boqer	Biology	136	

D2   Statistics - Students are required to choose 1 of 3 courses according to the program

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-3021	Prof. Itamar Giladi	Biostatistics: Class (can be completed during the program)	3	Tue	08:30-10:00	Sede Boqer	Biology	32	Final exam in a computer lab.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
001-2-3021 EX	Prof. Itamar Giladi	Biostatistics: Exersice (can be completed during the program)		Wed	09:15-11:00	Sede Boqer	School	Computer room	Final exam in a computer lab.*0 credit points for students in the Ecology and Nature Conservation department. Limited to 17 students
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

D3   Tools - Students are required to choose 1 of 5 courses according to the program

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Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2206	Prof. Arnon Karnieli and Dr. Manuel Salvoldi	Earth observation missions for agricultural monitoring	3	Sun	10:15-13:00	Sede Boqer	Biology	Seminar Room	home exam

D4 Environmental Applications - Students are required to choose 1 of 5 courses according to the program

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-2043	Prof. Shimon Rachmilevitch	Plant Stress Indications: Methods and Instrumentation	2	25-27.03.2024		Sede Boqer	Biology	32	A 3-day intensive workshop offered during the fall break

E Elective courses for students who are in their second year of studies with the approval of their supervisor and upon approval of the teaching committee.

Elective Courses

Course No	Lecturer	Subject	Credits	Day	Time	Campus	Building	Room	Rem
001-2-9301	Dr. Tarin Paz-Kagan	Introduction to Image Processing and Analysis	3	Thu	11:00-14:00	Beer Sheva			