

Course plan

Year: 2025	Semester: ☒ First, ☐ Second, ☐ Summer	Number of students: 12														
Major: Medical immunology	☒ Basic sciences, ☐ Physiopathology	Department: Immunology														
Course Title: bioinformatics	☒ Theoretical, ☐ Practical	Credit: Code N.: 1221045														
Prerequisite:	Day & Time: Monday & 10-12	Course type:														
Instructor: DR. Pordel	Office address:	Tel: 09171747335														
Email: safoora.pordel@gmail.com	Response Hours and Days:	Student representative name and mobile number:														
Main objective: At the end of the course, students should be familiar with the concepts of scientific research and the steps involved in conducting it, and be able to design a scientific proposal..																
On completion of this course, the student will be: 1. 2.																
Student evaluation and the value related to each evaluation: (The assessment tools that will be used to test student ability to understand the course material and gain the skills and competencies stated in learning outcomes) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">ASSESSMENT TOOLS</th> <th style="width: 30%;">From</th> </tr> </thead> <tbody> <tr> <td>Assignments</td> <td>10</td> </tr> <tr> <td>Quiz</td> <td>-</td> </tr> <tr> <td>Presence in online courses</td> <td>-</td> </tr> <tr> <td>Midterm Exam</td> <td>-</td> </tr> <tr> <td>Final Exam (Written exam)</td> <td>10</td> </tr> <tr> <td>TOTAL MARKS</td> <td>20</td> </tr> </tbody> </table>			ASSESSMENT TOOLS	From	Assignments	10	Quiz	-	Presence in online courses	-	Midterm Exam	-	Final Exam (Written exam)	10	TOTAL MARKS	20
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Students responsibilities: 1- 1- Mobile phones must be turned off during class or exams. 2- 2- Attending class on time 3- 3- It is necessary for the student to attend all class hours. Unexcused absence during the course will result in a grade deduction.																
Discipline and educational rules: 1- It is applied according to the regulations of the educational regulations.																
Mid exam date:		Final exam date:														

Row	date	Time	Topic	Professor	References	Chapter	Pages
1	October/06	8-10	Introduction to NCBI databases	Dr.Pordel			
2	October/13	10-12	Introduction to the Gene database in NCBI	Dr.Pordel			
3	October/20	10-12	Introduction to the Nucleotide database in NCBI	Dr.Pordel			
4	October/27	10-12	Introduction to Blast and Sequence alignments methods	Dr.Pordel			
5	November/03	10-12	Introduction to protein Blast methods	Dr.Pordel			
6	November10/		Introduction to the SNP database in NCBI	Dr.Pordel			
7	November/17	10-12	Primer design for RT-qPCR and PCR	Dr.Pordel			
8	December/1	10-12	Primer design for RT-qPCR and PCR	Dr.Pordel			