

Course plan

Year: 2024-2025	Semester: <input checked="" type="checkbox"/> First, <input type="checkbox"/> Second, <input type="checkbox"/> Summer	Number of students: 10
Major: Doctor of Dental Medicine	<input checked="" type="checkbox"/> Basic sciences, <input type="checkbox"/> Physiopathology	Department: Bacteriology & Virology
Course Title: Medical Virology	<input checked="" type="checkbox"/> Theoretical, <input type="checkbox"/> Practical	Credit: 1 Code N.: 127415
Prerequisite: -	Day & Time: Tuesday, 10-12 a.m.	Course type:
Instructor: Dr. Mohammad Shayestehpour	Office address: School of Medicine, Department of Bacteriology & Virology	Tel: 031-37929221
Email: shayestehpour-m@med.mui.ac.ir	Response Hours and Days: Wednesday 10-12 a.m.	Student representative name and mobile number:

Main objective: The course will give an overview of medically important viruses especially viral infections of the oral cavity. Topics will include replication strategies, pathogenicity and transmission of viruses and, additionally, diagnosis, prevention and treatment of viral diseases.

On completion of this course, the student will be able to:

1. Describe the structure of a virus and the differences that exist between viruses.
2. Understand how the virus is able to infect a host, including the steps involved in the infectious cycle.
3. Explain viral transmission routes
4. Describe the pathogenesis of viruses, especially those that are important in dentistry
5. Describe the epidemiology of human viruses, emphasizing the important viruses in dentistry
6. Explain the prevention and treatment of viral diseases, emphasizing the important viruses in dentistry
7. Briefly describe diagnostic methods in virology

References (Text books):

Medical Microbiology, Jawetz et al., (Latest version)
The slides and contents in the class

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)

ASSESSMENT TOOLS	From
Assignments	-
Midterm Exam	9
Final Exam (Written exam)	11
TOTAL MARKS	20

Students responsibilities:

- 1- Study the topics before and after the class.
- 2- Follow the class order and rules.
- 3- On time presence and active participation in the classes.

Discipline and educational rules:

- 1- For each unplanned absence, 0.25 points would be deducted.
- 2- Absence exceeding the permissible limit (4 absence), would fail the course.

Row	Date	Time	Topic	Professor
1	10/SEP/2024	10-12	General Properties of Viruses, Principles of Virus Structure	Dr. Shayestehpour
2	17/SEP/2024	10-12	Principles of Virus Taxonomy, Replication of Viruses: an Overview	Dr. Moghim
3	24/SEP/2024	10-12	Replication of Viruses (continued), Antiviral Chemotherapy	Dr. Moghim
4	1/OCT/2024	10-12	Pathogenesis of Viral Diseases, Diagnosis of Viral Infections	Dr. Shayestehpour
5	8/OCT/2024	10-12	Herpesviridae (Part I)	Dr. Moghim
6	15/OCT/2024	10-12	Herpesviridae (Part II)	Dr. Moghim
7	22/OCT/2024	10-12	Parvoviridae, Poxviridae	Dr. Shayestehpour
8	29/OCT/2024	10-12	Togaviridae, Adenoviridae	Dr. Shayestehpour
-	Midterm Exam			Dr. Moghim Dr. Shayestehpour
9	5/NOV/2024	10-12	Paramyxoviridae	Dr. Shayestehpour
10	12/NOV/2024	10-12	Orthomyxoviridae, Coronaviridae	Dr. Moghim
11	19/NOV/2024	10-12	Rabies, Slow Infections	Dr. Shayestehpour
12	26/NOV/2024	10-12	Picornaviridae	Dr. Shayestehpour
13	3/DES/2024	10-12	Hepatitis Viruses	Dr. Moghim
14	10/DES/2024	10-12	HIV	Dr. Moghim
15	17/DES/2024	10-12	Viral gastroenteritis	Dr. Shayestehpour
16	24/DES/2024	10-12	Papillomaviruses and Human Cancer Viruses	Dr. Shayestehpour
17	31/DES/2024	10-12	Arbo- & Robo- viruses	Dr. Shayestehpour