

## M3: CLINICAL MICROBIOLOGY

ACADEMIC YEAR 2025-26

Study: Integrated Master's Degree in Medicine  
 Subject: compulsory, 3rd year, 1st semester; 30 P / 30 S / 30 V; 6 ECTS  
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 Course leaders: [Doc. Dr. Polona Maver Vodičar](#)  
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 Department: [Department of Microbiology and Immunology, Faculty of Medicine, University of Ljubljana](#)  
 Lectures: Large lecture hall, Faculty of Medicine [KMI](#)  
[teaching locations](#) Exercises: IMI Seminar Rooms

Material in the online classroom	Date	Time	TOPICS	Lecturer
SECTION 1 - BACTERIOLOGY	1.10.2025	3:15	Introduction to microbiology, teaching schedule, study literature	<a href="#">A. Ihan</a>
		16	Bacterial cell: structure, reproduction, genetics, metabolism	A. Ihan
		17	Dangers and benefits of the microbial world and normal flora.	D. Keše
	7 and 8 October		<b>EXERCISE 1: BACTERIOLOGY 1</b>	
SECTION 2 – BACTERIOLOGY	8	3:15	Pathogenesis and diagnosis of bacterial infections.	P. Maver Vodičar
		16	Antibiotic groups and their effects.	<a href="#">K. Seme</a>
		17:15	The development of antibiotic resistance.	K. Seme
	14 and 15 October		<b>EXERCISE 1: BACTERIOLOGY 1</b>	
SECTION 3 – BACTERIOLOGY	15	15:15	Pathogens, Gram-positive cocci; types of infections, identification, epidemiology, taxonomy.	K. Seme
		16	Gram-negative cocci pathogens; types of infections, identification, epidemiology, taxonomy.	V. Križan Hergouth
		17:15	Enterobacteria and non-fermentative Gram-negative bacteria.	<a href="#">M. Pirš</a>
	21 and 22 October		<b>EXERCISE 2: BACTERIOLOGY 2</b>	
SECTION 4 – BACTERIOLOGY	22	3:15	Haemophilus, Bordetella	K. Seme
		16	Non-spore-forming Gram-positive bacilli – corynebacteria, listeria, nocardia.	K. Seme
		17:15	Sporogenic aerobic and anaerobic bacteria.	P. Maver Vodičar
	28 and 29 October		<b>EXERCISE 2: BACTERIOLOGY 2</b>	
SECTION 5 – BACTERIOLOGY	29	3:15	Mycobacteria	D. Keše
		16	Chlamydia, Legionella and Mycoplasma.	D. Keše
		17:15	Coccidia, rickettsia, ehrlichia.	M. Korva
	4 and 5 November		<b>3rd EXERCISE: BACTERIOLOGY 3</b>	
SECTION 6 - BACTERIOLOGY	5 November 2025	3:15	Leptospire and borrelia.	M. Brecl Jakob
		16	Treponema.	T. Triglav
		17:15	Helicobacter, vibrios, campylobacteria.	<a href="#">M. Pirš</a>
	11 and 12 November		<b>EXERCISE 3: BACTERIOLOGY 3</b>	
SECTION 7 – MYCOLOGY	12	3	Characteristics of fungi, reproduction, transformations, antimycotics.	T. Matos
		16	Causative agents of systemic mycoses.	T. Matos
		17:15	Causes of superficial mycoses.	T. Matos
	18 and 19 November		<b>EXERCISE 4: MYCOLOGY AND PARASITOLOGY</b>	
SECTION 8 – PARASITOLOGY	19	3:15	Flagellates ( <i>Giardia</i> , <i>Trichomonas</i> , <i>Leishmania</i> , <i>Trypanosoma</i> ).	<a href="#">B. Šoba Šparl</a>
		16	Amoebae, ciliates, plasmodia.	B. Šoba Šparl
		17:15	Worms and tapeworms	B. Šoba Šparl
	25 and 26 November		<b>4th EXERCISE: MYCOLOGY AND PARASITOLOGY</b>	
SECTION 9 – PARASITOLOGY AND VIROLOGY	26	3:15 p.m.	Arthropods (ticks, lice, mosquitoes, flies, fleas).	B. Šoba Šparl
		16:15	Structure, characteristics and reproduction of viruses, pathogenesis of viral infections	M. Petrovec
		17	Viral zoonoses	M. Korva
	2 and 3 December		<b>5. EXERCISE: VIROLOGY</b>	
SECTION 10 – VIROLOGY	3.12.2025	3	Caliciviruses, reoviruses	T. Triglav
		16	Papillomaviruses, polyomaviruses	T. Triglav
		17	Herpesviruses	A. Šterbenc Železnik
	9 and 10 December		<b>5th EXERCISE: VIROLOGY</b>	
SECTION 11 – VIROLOGY	10	3:15	Viruses that cause hepatitis	A. Šterbenc Železnik
		16:15	Viruses that cause hepatitis	A. Šterbenc Železnik
		17:15	Retroviruses	A. Šterbenc Železnik
SECTION 12 - VIROLOGY	17	3:15	Adenoviruses, parvoviruses	M. Petrovec
		16	Paramyxoviruses, orthomyxoviruses	M. Petrovec
		17:15	Pikornaviruses	M. Petrovec