GENERAL INFORMATION		
Course name	**Infectology**	
Course director	**Assoc. Prof. Ljiljana Perić, MD, PhD**	
Assistants	Dario Sabadi, MD Ilija Rubil, MD	
Study program	**Integrated undergraduate and graduate university study program Medical Studies in German**	
Course status	Mandatory	
Year of study, semester	3rd year, 5th semester	
Credits allocated and form of instruction	ECTS student workload	**7**
	Number of teaching hours (L+S+E)	**80** (30+20+30)

COURSE DESCRIPTION

Course objectives

Learning the basics of clinical examination consisting of medical history taking and physical examination. Complementing the technique of taking a medical history and recording it correspondingly. Learning the basics of physical examination. Learning targeted medical history and targeted physical examination and creating a working diagnosis, learning skills to complement and promote the main objective.

Course requirements

There are no specific requirements for this course except those defined in the study program curriculum.

Learning outcomes relevant to the study program

1.2, 2.1, 2.2, 2.3, 3.1, 3.2, 3.3, 3.4, 3.5, 4.1, 4.2

Expected learning outcomes *(5-10 learning outcomes)*

Knowledge

1. List and explain the general principles of infectious diseases, group and describe general and specific symptoms of infectious diseases
2. List the basic types of immunity, explain the difference between active and passive immunoprophylaxis, list examples of inactive vaccines and live attenuated vaccines, list the vaccines in the calendar of mandatory vaccines in the Republic of Croatia
3. Categorize major classes of antimicrobial drugs, describe their mechanisms of action and antimicrobial resistance mechanisms, list and explain the principles of antimicrobial treatment
4. Identify the most common infectious diseases and syndromes, explain the involvement of organ systems during infectious disease
5. Describe the clinical picture and epidemiology of specific infectious diseases
6. List and explain differential diagnostic options, select diagnostic procedures and suggest antimicrobial and supportive treatment
7. Define and list emergency conditions in infectiology and list indications for lumbar puncture
8. Select and explain clinical and laboratory parameters relevant to the decision on inpatient or outpatient infectious disease treatment

Skills

1. Identify and extract from medical history, esp. epidemiological history, all the data necessary to diagnose infectious diseases and associate them with clinical status and laboratory diagnostic

2. Identify emergency conditions in infectiology, monitor vital parameters, detect and differentiate vitally endangered patients
3. By performing examination, determine the presence of meningeal signs
4. Select and use appropriate therapeutic approach in the treatment of most common infections
5. Identify and respond to the development of complications in the course of infectious diseases that are normally treated symptomatically
6. Report infectious diseases to the competent epidemiological unit

Course content

Basic terms in general infectiology, most common infectious diseases and related clinical syndromes, diagnostic principles, rational antimicrobial therapy and prophylaxis of infectious and non-infectious diseases, infections in immunocompromised people, hospital-acquired infections.

Form of instruction	☒lectures ☒seminars and workshops ☒exercises ☐distance learning ☐field course	☐individual assignments ☐multimedia and internet ☐laboratory ☐mentoring activities ☐other

Student obligations

Come to class prepared by studying the recommended literature for each unit and actively participate in all forms of instruction. The student must participate in at least 70% of classes to pass the course.

Monitoring student learning

Attendance	x	Active participation	x	Seminar paper		Experimental work	
Written exam	x	Oral exam	x	Essay		Research	
Project		Continuous assessment		Paper		Practical work	
Portfolio							

Assessment and evaluation of students during class and on the final exam

Continuous assessment of seminar papers and during exercises, written and oral exams. Students' performance will be evaluated during class and on the final exam. Students are evaluated numerically and descriptively (insufficient (1), sufficient (2), good (3), very good (4), excellent (5)). During classes, a student can earn a maximum of 100 points. Students can earn a maximum of 20 points during classes through different types of activities. On the final exam, students can earn a maximum of 80 points. The final grade represents the sum of the points earned during classes and on the final exam.

Mandatory reading

1. Medizinische Mikrobiologie und Infektiologie. Suerbaum S, Burchard gd, Kaufmann SHE, Schulz TF. Springer; 8th edition: 2016

Additional reading

The number of copies of mandatory reading in proportion to the number of students currently taking this course

Title	*Number of copies*	*Number of students*
Medizinische Mikrobiologie und Infektiologie. Suerbaum S, Burchard gd, Kaufmann SHE, Schulz TF. Springer; 8th edition: 2016	A purchased license for online textbooks shall be used https://bfdproxy48.bfd-online.de/login.htm?back=http%3a%2f%2fpartner.bfd-online.info.bfdproxy48.bfd-online.de%2fameos%2fbfdAboGateway%3faboId%3d264117 Access will be granted to all students enrolled in the study program	

Quality monitoring methods ensuring the acquisition of knowledge upon completion, skills and competences
The quality of course performance is monitored through an anonymous student survey on the quality of the organization and conduction of classes, the course content and the work of professors. The usefulness of the lectures from the students' perspective, the curriculum content, the professor preparedness, the clarity of the presentation, the amount of new content and the quality of the presentation are evaluated. The curriculum and its execution are administratively compared. The participation of students in lectures and exercises, as well as the excuses for missing classes, are controlled and analyzed.