



**INTEGRATED ACADEMIC
STUDIES OF MEDICINE
FIFTH YEAR OF STUDIES**

school year 2025/2026

TELEMEDICINE

Subject:

TELEMEDICINE

The subject is evaluated with 3 ECTS. There are 3 hours of active teaching per week (2 hours of lectures and 1 hour of work in a small group).

TEACHERS AND ASSOCIATES:

No	Name and surname	Email	Title
1.	Vladimir Janjić	vladadok@yahoo.com	Full Professor
2.	Nebojša Zdravkovic	nzdravkovic@gmail.com	Full Professor
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10.	Viktor Selaković	selakovicviktor@gmail.com	Associate in teaching
11.	Sladana Veselinović	sladjave@gmail.com	Associate in teaching
12.	Anja Vasiljević	vasiljevic.anja034@gmail.com	Facilitator
13.	Protrka Simona	protrka.simona@gmail.com	Facilitator

SUBJECT STRUCTURE:

Module	Module name	Duration (week)	Lectures per week	Practical lessons perweek	Teacher-leader of the module
1	Introductory chapter	5	2	1	Prof. dr Vladimir Janjić
2	Ethical, privacy, security and legal issues in telemedicine, neural networks. Artificial intelligence and machine learning. Telemedicine in radiology and in medical diagnostics. Telemedicine in psychiatry.	5	2	1	Prof. dr Vladimir Janjić
3	Telemedicine in internal medicine, surgery, primary healthcare, preventive medicine Other aspects and future directions of telemedicine	5	2	1	Prof. dr Vladimir Janjić
					Σ 30+15=45

EVALUATION:

SEMINAR ESSAYS: In this way, the student can earn up to 20 points. Each student receives a topic for a seminar essays in each module that he/she submits in written form. The preparation, content and form of the seminar paper are evaluated. A list of topics for seminar papers will be offered to students in the first term of the course.

CLINICAL SEMINAR: In this way, the student can earn up to 20 points. Preparedness, manner of presentation, inclusion of others in the discussion are evaluated. The list of topics for clinical seminars will be offered to students in the first term of the course (one seminar can be prepared by one or more students).

FINAL TEST: In this way, the student can earn up to 60 points.

The final grade is formed as follows:

In order to pass the course, the student must obtain a minimum of 51 points and pass all modules.

To pass the module the student must:

1. obtain more than 50% points in that module
2. acquire more than 50% of the points provided for the activity in teaching in each module
3. pass the module test, i.e. have more than 50% correct answers.

the number of points earned	grade
0 - 50	5
51 - 60	6
61 - 70	7
71 - 80	8
81 - 90	9
91 - 100	10

EVALUATION OF THE FINAL TEST

Test consists of 30 questions
Each question is worth 2 points

LITERATURE:

the name of the textbook	autors	publisher	the library
Telemedicine technology and applications (mhealth, telehealth and ehealth)	R.S. KHANDPUR	PHI Learning Pvt. Ltd.	Available
Introduction to Telemedicine Second edition	Richard Wootton	CRC Press	Available
All lectures are available on the website of the Faculty of Medical Sciences : www.medf.kg.ac.rs			

TEACHING SCHEDULE FOR THE SUBJECT OF TELEMEDICINE

module	week	type	name of method unit	teacher
1	1	L	Introduction to the basic concepts of telemedicine	Assist. prof. dr Milan Đorđić Prof. dr Vladimir Vukomanović
1	1	P	Training students to use the basic principles and concepts of digital and telemedicine	dr Ermin Fetahović dr Viktor Selaković dr Slađana Veselinović
1	2	L	History of telemedicine	Assist. prof. dr Milan Đorđić Assist. prof. dr Vesna Ignjatović
1	2	P	Introducing students to origin and history of telemedicine	dr Ermin Fetahović dr Viktor Selaković asst. dr Sofija Čolović
1	3	L	Telemedicine applications	Assist. prof. dr Milan Đorđić Prof. dr Vladimir Vukomanović
1	3	P	Training students regarding telemedicine applications	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
1	4	L	Networking in telemedicine	Prof. Nebojsa Zdravkovic
1	4	P	Training the students to use large databases in healthcare	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
1	5	L	Telemedicine systems	Prof. dr Vladimir Vukomanović Assist. prof. dr Milan Đorđić Assist. prof. dr Vesna Ignjatović
1	5	P	Introducing the student to the basics telemedicine systems	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
2	6	L	Ethical, privacy, security and legal issues in telemedicine	Assist. prof. dr Milan Đorđić Prof. dr Vladimir Janjić Assist. prof. dr Branimir Radmanović

TEACHING SCHEDULE FOR THE SUBJECT OF TELEMEDICINE

module	week	type	name of method unit	teacher
2	6	P	Training students about ethical dilemmas regarding telemedicine	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
2	7	L	Introduction, definition and application of neural networks	Prof. Nebojsa Zdravkovic
2	7	P	Introducing the student to the basics, definition and application of neural networks	dr Ermin Fetahović dr Viktor Selaković asst. dr Sofija Čolović
2	8	L	Artificial intelligence and machine learning in medicine	Prof. Nebojsa Zdravković
2	8	P	Introducing the student to the basics, definition and application of artificial intelligence and machine learning	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
2	9	L	Telemedicine in radiology and in medical diagnostics	Assist. prof. dr Valentina Opančina
2	9	P	Training students for the correct use of telemedicine in radiology and in medical diagnostics	dr Ermin Fetahović dr Viktor Selaković dr Slađana Veselinović
2	10	L	Telemedicine in psychiatry	Prof. dr Vladimir Janjić Assist. prof. dr Branimir Radmanović
2	10	P	Introducing students to the basics telemedicine application in psychiatry	dr Ermin Fetahović dr Viktor Selaković asst. dr Sofija Čolović
3	11	L	Telemedicine in internal medicine	Prof. dr Vladimir Vukomanović Assist. prof. dr Branimir Radmanović

TEACHING SCHEDULE FOR THE SUBJECT OF TELEMEDICINE

module	week	type	name of method unit	teacher
3	11	P	Introducing students to the basics of telemedicine application in internal medicine	dr Ermin Fetahović dr Viktor Selaković dr Slađana Veselinović
3	12	L	Telemedicine in surgery	Prof. dr Vladimir Vukomanović Assist. prof. dr Vesna Ignjatović
3	12	P	Introducing students to the basics of telemedicine application in surgery	dr Ermin Fetahović dr Slađana Veselinović asst. dr Sofija Čolović
3	13	L	Telemedicine in primary healthcare	Prof. dr Snežana Radovanović Assist. prof. dr Milan Đorđić
3	13	P	Introducing students to the basics of telemedicine application in primary healthcare	dr Viktor Selaković asst. dr Sofija Čolović dr Slađana Veselinović
3	14	L	Use of telemedicine in preventive medicine	Prof. dr Snežana Radovanović Assist. prof. dr Milan Đorđić
3	14	P	Introducing students to the basics of telemedicine application in preventive medicine	dr Ermin Fetahović asst. dr Sofija Čolović dr Slađana Veselinović
3	15	L	Other aspects and future directions of telemedicine	Assist. prof. dr Milan Đorđić Prof. dr Vladimir Janjić
3	15	P	Introducing students to the basics of entrepreneurship in digital medicine and the future of digital and telemedicine	dr Ermin Fetahović dr Viktor Selaković asst. dr Sofija Čolović
		FT	FINAL TEST	
		E	EXAM (january)	