



# VISOKA MEDICINSKA ŠKOLA ZDRAVSTVA IN DOBOJ

## The Freshman Guide

**ACCREDITED**

2024/2025.

Dear students, welcome to the Higher Medical School of Health!

The Freshman Guide is created for students who are beginning their studies at the Higher Medical School of Health. The purpose of the guide is to introduce new students to the organization, programs, and activities at the Higher Medical School of Health in Doboj, making their first interaction in the new academic community easier.

First and foremost, at the very beginning, we want to point out what might be most important to you: our institution is [accredited!](#)

We have decided to gather and present important information for freshmen in one place—right here in this guide. We hope that the guide fulfills its purpose and helps our future colleagues navigate their first days at our school more easily.

We believe that through joint effort, we will achieve our shared goal: for you to become highly skilled professionals who, after graduation, will successfully contribute to and advance in your field with personal fulfillment, while also benefiting the broader community.

Our higher education institution, through vocational and academic study programs, equips students with specialized and scientific knowledge in the domains of health, health promotion and protection, and disease prevention.

The school implements modern teaching methodologies, featuring well-equipped classrooms, a library, and laboratories. Its academic staff consists of highly qualified experts who excel in both scientific and practical instruction. In addition to theoretical coursework and exercises in specialized classrooms and laboratories, students also gain practical experience through training at the school's scientific bases, including hospitals, health centers, wellness and healthcare facilities, and the Public Health Institute of Republika Srpska.

Upon completing their studies, our students are professionally and practically qualified for independent work in healthcare institutions, public health organizations and institutes, rehabilitation centers, state and independent organizations, private and public healthcare facilities, and commercial enterprises.

*We wish you a successful academic journey at our school!*

## ***Professional Bachelor Study Program– 180 ECTS***

The Higher Medical School of Health offers formalized vocational/ Professional Bachelor Study Program with a three-year duration for the following study programs.

***Healthcare Nursing  
Physiotherapy and Occupational Therapy  
Sanitary Engineering  
Laboratory-Medical Engineering***

The professional titles obtained upon completion of these studies are:

### ***Bachelor of Health Care-180ECTS***

Work based on the fundamental principles of comprehensive medical care, including intensive health care, emergency management, patient care in infectology, internal medicine, and surgical treatment. Responsibilities also encompass gynecological care and patient support for various illnesses. The role involves maintaining medical documentation, planning, organizing, and executing diagnostic procedures, providing family healthcare, analyzing the socio-economic conditions of families, assessing environmental factors affecting mental health in children and adults, and evaluating health status and healthcare quality at both local and broader levels.

### ***Bachelor of Physiotherapy – 180 ECTS***

Planning, organizing, and implementing physiotherapeutic processes across all areas of clinical and non-clinical practice, applying the most advanced specialized techniques and methods (electrotherapy, hydrotherapy, and kinesiotherapy). Responsibilities include monitoring after completed physical therapy, working within interdisciplinary teams, planning and executing various professional services in therapeutic or rehabilitation procedures, guiding activities for individuals with disabilities in professional and social rehabilitation, and educating family members. Occupational therapy processes involve assessment, organization, planning, and execution of therapeutic interventions. Responsibilities include education and evaluation, creative and recreational activities, training patients in the use of prostheses and orthoses, taking measurements for orthopedic aids, assessing patients' functional capabilities, providing support to individuals with disabilities, and working with populations at health risk due to socio-political influences.

## ***Bachelor of Sanitary Engineering – 180 ECTS***

Responsibilities include addressing various environmental and public health risks, working in healthcare systems, environmental protection, inspection authorities, hygiene-epidemiological and microbiological teams, as well as laboratories for chemical and microbiological food testing and general-use products. Additionally, duties involve laboratory analysis of waste, soil, air, and ecotoxicology, along with roles in the petrochemical and chemical industries, and other sectors requiring professionals in this field.

## ***Bachelor of applied laboratory and medical engineering 180 ECTS***

Guided by medical ethics principles, responsibilities include medical-laboratory diagnostics, organization of biological material collection, transportation, and storage, maintenance of laboratory equipment, and execution of complex tests across all fields of laboratory medicine—clinical chemistry and biochemistry, immunology, microbiology, parasitology, and virology. Additional duties include conducting hemograms and other cytochemical-hematological examinations, including coagulation and transfusion tests, as well as continuously advancing professional knowledge.

Engages in continuous education, trains other team members, monitors and studies related disciplines, and conducts research in laboratory diagnostics.

The competencies acquired by students upon completing their studies at the Higher Medical School of Health in Dobož prepare them for a wide range of professional opportunities.



## **Four-Year Academic Studies – 240 ECTS**

The Higher Medical School of Health provides students with specialized theoretical knowledge and practical competencies through a four-year academic program. The following study programs are available:

*Healthcare Nursing  
Physiotherapy and Occupational Therapy  
Geriatric Care*

The professional titles obtained upon completion of these studies are:

### ***Bachelor of Health Care-240ECTS***

Training of nurses in general healthcare ensures that professionals acquire the following knowledge and skills:

- Comprehensive understanding of the sciences underpinning general healthcare, including knowledge of human anatomy, physiological functions, and the behavior of both healthy and ill individuals, as well as the relationship between human health and their physical and social environment.
- knowledge of professional ethics and the fundamental principles of health and healthcare.
- Relevant clinical experience, selected for its educational value, acquired under the supervision of qualified nursing staff in environments with adequate personnel and equipment for patient care. Ability to participate in the practical training of healthcare personnel and experience in working alongside them.
- Collaboration with professionals from other fields within the healthcare sector.

## ***Bachelor of Physiotherapy and Occupational Therapy - 240 ECTS***

Engagement in planning, organizing, and implementing physiotherapeutic processes across all areas of clinical and non-clinical work. Application of the most advanced specialized techniques and methods, including electrotherapy, hydrotherapy, and kinesiotherapy. Monitoring and assessment following physical therapy procedures. Team collaboration in designing and executing various professional services within therapeutic and rehabilitation treatments. Guiding the activities of individuals with disabilities in professional and social rehabilitation. Providing education for family members. Occupational therapy process tasks include assessment, organization, planning, and implementation of occupational therapy interventions. Responsibilities also encompass education and evaluation, creative and recreational activities, training patients in the use of prosthetics and orthoses, taking measurements for orthopedic aids, assessing patients' functional abilities, providing assistance to individuals with disabilities, and working with populations at health risk due to socio-political influences.

## ***Bachelor of Geriatric Care – 240 ECTS***

Competence in patient evaluation, nursing diagnostics, and treatment of elderly individuals, recognizing priorities in hospital care, long-term care, or residential facilities for geriatric patients. Additionally, expertise in preventive medical measures, early rehabilitation strategies, understanding the pathogenesis, clinical presentation, and therapy of common diseases and conditions affecting the geriatric population. Proficiency in geriatric care processes, particularly patient-centered approaches for elderly individuals, and planning healthcare services in hospital and residential settings.

The primary goal of this study program is to provide an in-depth understanding of the most pressing health issues affecting the geriatric population, highlighting the key differences in clinical manifestations, diagnostics, and treatment of diseases and conditions. Through the application of interactive educational methods within practical instruction at teaching facilities and residential homes for elderly individuals, students gain hands-on diagnostic and therapeutic experience in the care of geriatric patients.

## Semester

Each academic year consists of two semesters (winter and summer). At the end of each semester, students must obtain signatures from assigned professors for all courses in order to verify the semester. The winter semester runs from October until the beginning of the examination period in January, while the summer semester lasts from March until the beginning of the examination period in June. By signing the student index, the professor confirms that the student has fulfilled their pre-exam obligations and is eligible to take the exam



### Attendance at lectures and exercises

To enhance proficiency in the curriculum, both theoretical and practical skills, attendance at all forms of instruction is essential, regardless of whether it is mandatory. According to the Study Regulations, a student may be excused from attending up to 20% of the total hours allocated for lectures, seminars, demonstrations, and exercises in a given subject during the semester, as determined by the curriculum. At the beginning of each semester, assigned professors for each subject are required to determine the exact number of permissible absences and the method of compensation. The attendance monitoring process is defined individually by each course professor for their respective subject.

## **Exams**

During the academic year, examination periods are organized, allowing students to take their exams. There are five exam periods: January-February, April, June-July, September, and October.

The January-February, June-July, and September exam periods are held in two sessions, allowing students to register for and take all unpassed exams. After completing the semester and obtaining the required signatures, students verify the semester and register for the exams they wish to take in that examination period. A student who fails an exam in a subject after three unsuccessful attempts may request a commission-based exam. The commission is appointed by the school director, and the course professor cannot be designated as a member of the commission.

## **Colloquium**

A colloquium represents a partial component of the exam and a mandatory pre-exam requirement across all study programs. The number of colloquia is determined by the course syllabus, while course professors define the number of subject areas assessed through colloquia. Colloquia facilitate continuous learning, allowing students to master the material more effectively and with greater ease.

## **The entrance exam**

The entrance exam evaluates knowledge of general culture and the curriculum content of secondary education, which are relevant to academic study programs.

## **Professional practice**

Professional practice involves vocational training aimed at independent work within the profession. It is continuously conducted during the 2nd, 4th, and 6th semesters across all study programs, aiming to equip students with greater competencies so that, upon graduation, they are prepared to meet the challenges posed by the labor market.

## Library

Students can use the library services of the Higher Medical School of Health every working day from 8 AM to 4 PM. The library's collection includes scientific and professional literature, both domestic and international, covering subjects from all study programs and academic years (mandatory and supplementary materials). In the previous period, a significant number of textbooks were scanned, allowing students access to the institution's e-library. Before completing their studies or defending their thesis, students are required to return all borrowed literature. The library includes a modern reading room equipped with 20 computers, providing access to all available databases and websites.

## Enrollment

Each year in June, the Higher Medical School of Health announces a Call for Enrollment for students for the upcoming academic year. Student enrollment is conducted through admission periods in June and July, as well as two enrollment periods in September.



## **Required Documentation**

Students enrolling in the first year of study for the first time must submit the following documentation:

- **Original transcripts for all years of secondary/high school**
- **Original diploma of completed secondary education**
- **Birth certificate (certified copy allowed)**
- **Proof of citizenship (certified copy allowed)**
- **Two photographs for the student index**

## **Transfer from other higher education institutions and study programs**

Students transferring from other faculties, higher education institutions, or those who have passed exams in previous studies will have their exams verified by decision of the director of the Higher Medical School of Health, based on the recommendation of the Exam Verification Commission.

## **Verification of Exams and Required Documentation**

For the verification of passed exams from other higher education institutions, students must submit the following documentation:

- 1. Curriculum and syllabus of the study program (from the previous institution);**
- 2. Certificate of passed exams,**
- 3. Original student index**
- 4. Withdrawal certificate from the previous higher education institution.**

In addition to the aforementioned documents, the student is required to submit the following:

- Birth certificate (certified copy allowed)
- Proof of citizenship (original or certified copy)
- Original transcripts for all years of secondary school
- Original secondary school diploma
- Two photographs for the student index

# Curricula – Three-Year Professional Bachelor Study Program

Professional Bachelor Study Program – Health Care Nursing – 180 ECTS – First Year of Study

Winter Semester									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	P	PP				
Family Medicine	Compulsory Courses	2+3	30	45	-	75	105	180	6
Basic anatomy	Compulsory Courses	3+1	45	15	-	60	120	180	6
Basic physiology	Compulsory Courses	3+0	45	-	-	45	105	150	5
Basics of health care	Compulsory Courses	2+2	30	30	-	60	120	180	6
Informatics in healthcare	Compulsory Courses	3+1	45	15	-	60	60	120	4
Summer Semester									
German language	Compulsory Courses	2+1	30	15	-	45	45	90	3
Social Medicine	Compulsory Courses	3+1	45	15	-	60	90	150	5
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45	75	120	4
Medical Psychology	Compulsory Courses	3+0	45	0	-	45	105	150	5
Nutrition Hygiene and Dietetics	Compulsory Courses	2+1	30	15	-	45	75	120	4
Nursing Care in Family Medicine	Compulsory Courses	2+2	30	30	-	60	120	180	6
Basics of communications in healthcare	Elective Courses	2+1	30	15	-	45	75	120	4
Health care of persons with special needs									
Nursing Care I	Compulsory Courses	-	-	-	200	200	-	200	2
<b>TOTAL:</b>			<b>435</b>	<b>210</b>	<b>200</b>	<b>845</b>	<b>1095</b>	<b>1940</b>	<b>60</b>

T (Theory) P (Practical) PP (Professional Practice)

**Professional Bachelor Study Program – Health Care Nursing – 180 ECTS Nursing –  
180 ECTS – Second Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Internal Medicine with Nursing Care of Internal Medicine Patients	Compulsory Courses	2+0	30	-	-	30	90	120	4
Nursing Care in Internal Medicine	Compulsory Courses	2+2	30	30	-	60	90	150	5
Surgery with Traumatology	Compulsory Courses	2+0	30	-	-	30	90	120	4
Nursing Care in Surgery	Compulsory Courses	2+2	30	30	-	60	90	150	5
Gynecology and Obstetrics	Compulsory Courses	2+0	30	-	-	30	90	120	4
Nursing Care in Gynecology and Obstetrics	Compulsory Courses	2+2	30	30	-	60	90	150	5
<b>Summer Semester</b>									
Infectious Diseases with Epidemiology	Compulsory Courses	2+0	30	-	-	30	90	120	4
Nursing Care of Infectious Disease Patients	Compulsory Courses	2+2	30	30	-	60	90	150	5
Pediatrics	Compulsory Courses	2+0	30	-	-	30	90	120	4
Nursing Care in Pediatrics	Compulsory Courses	2+2	30	30	-	60	90	150	5
Pharmacology	Compulsory Courses	2+0	30	-	-	30	60	90	3
Community Health Nursing	Compulsory Courses	2+2	30	30	-	60	60	120	4
Medical Ethics	Elective Courses	2+1	30	15	-	45	75	120	4
Sports Medicine									
Nursing Care II	Compulsory Courses	-	-	-	400	400	-	400	4
<b>TOTAL:</b>			<b>390</b>	<b>195</b>	<b>400</b>	<b>985</b>	<b>1095</b>	<b>2080</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Health Care Nursing – 180 ECTS – Health  
Care Nursing – 180 ECTS – Third Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Management in health care	Compulsory Courses	2+2	30	30	-	60	120	180	6
Nursing care in rehabilitation	Compulsory Courses	2+2	30	30	-	60	120	180	6
Emergency Medicine	Compulsory Courses	2+2	30	30	-	60	60	120	4
Palliative care	Compulsory Courses	2+1	30	15	-	45	135	180	6
Health care in geriatrics	Compulsory Courses	2+2	30	30	-	60	120	180	6
Mental Health and Psychiatry	Compulsory Courses	2+2	30	30	-	60	120	180	6
<b>Summer Semester</b>									
Nursing care of neurology patients	Compulsory Courses	2+2	30	30	-	60	120	180	6
Social security law and protection	Elective Courses	2+0	30	-	-	30	90	120	4
Marketing in healthcare									
Nursing Care III	Compulsory Courses	-	-	-	400	400	-	400	4
Graduate Thesis						-	120	120	12
<b>TOTAL:</b>			<b>240</b>	<b>240</b>	<b>400</b>	<b>880</b>	<b>1200</b>	<b>2080</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Physiotherapy and Occupational Therapy–  
180 ECTS-First Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Basic anatomy	Compulsory Courses	3+2	45	30	-	75	135	210	7
Basic physiology	Compulsory Courses	3+0	45	-	-	45	105	150	5
Basics of health care	Compulsory Courses	2+4	30	60	-	90	150	240	8
Informatics in healthcare	Compulsory Courses	2+1	30	15	-	45	45	90	3
Basics of communications in healthcare	Compulsory Courses	2+2	30	30	-	60	60	120	4
Medical Psychology	Compulsory Courses	2+0	30	-	-	30	60	90	3
<b>Summer Semester</b>									
Physics and biophysics	Compulsory Courses	2+2	30	30	-	60	60	120	4
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45	105	150	5
German language 1	Compulsory Courses	2+2	30	30	-	60	60	120	4
Hygiene and health ecology	Compulsory Courses	2+1	30	15	-	45	75	120	4
Health care of persons with special needs	Elective Courses	2+1	30	15	-	45	75	120	4
Health pedagogy									
Clinical practice I	Compulsory Courses	-	-	-	210	210	60	270	9
<b>TOTAL:</b>			<b>375</b>	<b>240</b>	<b>210</b>	<b>825</b>	<b>975</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Physiotherapy and Occupational Therapy–  
180 ECTS-Second Year of Study**

Winter Semester									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Nursing care in primary healthcare system	Compulsory Courses	2+2	30	30	-	60	120	180	6
Basics of Physical Medicine	Compulsory Courses	2+3	30	45	-	75	135	210	7
Basics of kinesiology with biomechanics	Compulsory Courses	2+2	30	30	-	60	120	180	6
Basic pathology	Compulsory Courses	2+0	30	-	-	30	60	90	3
Medical massage	Compulsory Courses	2+3	30	45	-	75	45	120	4
German language 2	Compulsory Courses	2+2	30	30	-	60	60	120	4
Summer Semester									
Basic kinesotherapy	Compulsory Courses	2+2	30	30	-	60	60	120	4
Physiotherapy in Cardiology and Pulmonology	Compulsory Courses	2+3	30	45	-	75	135	210	7
Paediatric Physiotherapy	Compulsory Courses	2+2	30	30	-	60	60	120	4
Sports Medicine	Compulsory Courses	2+0	30	-	-	30	60	90	3
Radiology and imaging in healthcare	Elective Courses	2+0	30	-	-	30	60	90	3
Sociology in Medicine									
Clinical practiceII	Compulsory Courses	-	-	-	210	210	60	270	9
<b>TOTAL:</b>			<b>330</b>	<b>385</b>	<b>210</b>	<b>825</b>	<b>975</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Physiotherapy and Occupational Therapy–  
180 ECTS-Third Year of Study**

Winter Semester									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Physiotherapy in Neurology	Compulsory Courses	2+2	30	30	-	60	120	180	6
Physiotherapy in Rheumatology	Compulsory Courses	2+2	30	30	-	60	90	150	5
Physiotherapy in Orthopedics and Traumatology	Compulsory Courses	2+2	30	30	-	60	90	150	5
Physiotherapy in Musculoskeletal Disorders	Compulsory Courses	2+2	30	30	-	60	120	180	6
Balneology	Compulsory Courses	2+2	30	30	-	60	60	120	4
German language 3	Compulsory Courses	2+2	30	30	-	60	60	120	4
Summer Semester									
Occupational Therapy in Psychiatry	Compulsory Courses	2+3	30	45	-	75	45	120	4
Geriatric physiotherapy	Compulsory Courses	2+2	30	30	-	60	60	120	4
Prosthetics and orthotics	Compulsory Courses	2+2	30	30	-	60	0	60	2
Ergonomics and occupational medicine	Elective Courses	2+0	30	-	-	30	0	30	1
Statistical methods in healthcare									
Clinical practiceIII	Compulsory Courses	-	-	-	210	210	60	270	9
Graduate Thesis						-	300	300	10
<b>TOTAL:</b>			<b>300</b>	<b>285</b>	<b>210</b>	<b>795</b>	<b>1005</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Sanitary Engineering– 180 ECTS  
Firts Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Basic anatomy	Compulsory Courses	3+2	45	30	-	75	135	210	7
Basic physiology	Compulsory Courses	3+0	45	-	-	45	105	150	5
Hemija	Compulsory Courses	3+4	45	60	-	105	135	240	8
Informatics in healthcare	Compulsory Courses	2+1	30	15	-	45	45	90	3
Basics of communications in healthcare	Compulsory Courses	2+2	30	30	-	60	60	120	4
Medical Psychology	Compulsory Courses	2+0	30	-	-	30	60	90	3
<b>Summer Semester</b>									
Epidemiology i infektivne bolesti	Compulsory Courses	2+2	30	30	-	60	60	120	4
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45	105	150	5
German language	Compulsory Courses	2+2	30	30	-	60	60	120	4
Hygiene and health ecology	Compulsory Courses	2+1	30	15	-	45	75	120	4
Intrahospitalne infekcije	Elective Courses	2+1	30	15	-	45	75	120	4
Health pedagogy									
Clinical practiceI	Compulsory Courses	-	-	-	210	210	60	270	9
<b>TOTAL:</b>			<b>375</b>	<b>240</b>	<b>210</b>	<b>825</b>	<b>975</b>	<b>1800</b>	<b>60</b>

T (Theory) P (Practical) PP (Professional Practice)

**Professional Bachelor Study Program – Sanitary Engineering– 180 ECTS  
Second Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	P	PP				
Medical Biochemistry	Compulsory Courses	3+3	45	45	-	90	150	240	8
Microbiology with Parasitology	Compulsory Courses	2+3	30	45	-	75	105	180	6
Basic pathology	Compulsory Courses	2+0	30	-	-	30	30	60	2
Laboratory Safety	Compulsory Courses	2+3	30	45	-	75	105	180	6
Health Legislation	Compulsory Courses	2+3	30	45	-	75	45	120	4
German language 2	Compulsory Courses	2+2	30	30	-	60	60	120	4
<b>Summer Semester</b>									
Biology with Human Genetics	Compulsory Courses	2+2	30	30	-	60	60	120	4
Water Management and Protection	Compulsory Courses	2+2	30	30	-	60	90	150	5
Fundamentals of Environmental Protection	Compulsory Courses	2+2	30	30	-	60	90	150	5
Health care promotion and disease prevention	Compulsory Courses	2+2	30	30	-	60	60	120	4
Radiology and imaging in healthcare	Elective Courses	2+0	30	-	-	30	60	90	3
Sociology in Medicine									
Clinical practiceII	Compulsory Courses	-	-	-	210	210	60	270	9
<b>TOTAL:</b>			<b>345</b>	<b>330</b>	<b>210</b>	<b>885</b>	<b>915</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Sanitary Engineering– 180 ECTS  
Third Year of Study**

<b>Winter Semester</b>									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Medical Ethics	Compulsory Courses	2+2	30	30	-	60	60	120	4
Waste Management	Compulsory Courses	2+2	30	30	-	60	120	180	6
Physicochemical Analysis of Food and Water	Compulsory Courses	2+2	30	30	-	60	120	180	6
Fundamentals of Food Processing and Preservation	Compulsory Courses	2+2	30	30	-	60	90	150	5
Drinking Water Technology	Compulsory Courses	2+2	30	30	-	60	90	150	5
German language 3	Compulsory Courses	2+2	30	30	-	60	60	120	4
<b>Summer Semester</b>									
Air Analysis, Control and Protection	Compulsory Courses	2+3	30	45	-	75	45	120	4
Microbiological Analysis of Food and Water	Compulsory Courses	2+2	30	30	-	60	30	90	3
Management in health care	Compulsory Courses	2+1	30	15	-	45	45	90	3
Immunology	Elective Courses	2+0	30	-	-	30	60	90	1
Statistical methods in healthcare									
Clinical practice3	Compulsory Courses	-	-	-	210	210	60	270	9
Graduate Thesis						-	300	300	10
<b>TOTAL:</b>			<b>300</b>	<b>270</b>	<b>210</b>	<b>780</b>	<b>1020</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Professional Bachelor Study Program – Laboratory-Medical Engineering– 180  
ECTS Firts Year of Study**

<b>Winter Semester</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	P	PP						
Basic anatomy	Compulsory Courses	3+2	45	30	-	75	30		45	210	5
Laboratory Safety	Compulsory Courses	2+1+1	30	15	yes	60	15		45	120	4
Management in health care	Compulsory Courses	1+1+1	15	15	yes	45			45	90	3
Physics and biophysics	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Biochemistry	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Ethics	Compulsory Courses	1+1+1	15	15	yes	45			60	90	3
Clinical Laboratory Diagnostics	Compulsory Courses	2+2	30	30	-	60		60	45	180	6
English language 1	Elective Courses	2+1	30	15	-	45			45	90	3
German language 1											
<b>Summer Semester</b>											
Physiology and Pathophysiology	Compulsory Courses	2+2+1	30	30	yes	75	15		60	150	5
Hematology	Compulsory Courses	2+1	30	15	-	45	15	60	30	150	5
Nuclear Medicine	Compulsory Courses	2+1	30	15	-	45			45	90	3
General Medicine	Compulsory Courses	2+1	30	15	-	45	15		60	120	4
Medical Psychology	Compulsory Courses	1+1+1	15	15	yes	45			45	90	3
Clinical practice 1	Compulsory Courses	-	0	0	-	0		150	0	150	5
Epidemiology	Elective Courses	2+2+1	30	30	yes	75			75	150	5
Social security law and protection											
<b>TOTAL:</b>			<b>390</b>	<b>270</b>	<b>45</b>	<b>330</b>	<b>90</b>	<b>270</b>	<b>690</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Professional Bachelor Study Program – Laboratory-Medical Engineering– 180  
ECTS Second Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	P	P P						
General Chemistry	Compulsory Courses	2+2	30	30	-	60			60	120	4
Laboratory and clinical approach to blood diseases	Compulsory Courses	2+2+1	30	30	DA	75		60	60	180	6
Pharmacology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Informatics in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Statistical methods in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Working with biological samples	Compulsory Courses	3+2	45	30	-	75		60	45	180	6
Hygiene and dietetics	Elective Courses	2+1+1	30	15	DA	60			60	120	4
Basics of communications in healthcare											
<b>SUMMER SEMESTER</b>											
Special epidemiology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Analytical Chemistry	Compulsory Courses	2+2+1	30	30	DA	75	30		45	150	5
Cell biology with human genetics	Compulsory Courses	2+2+1	30	30	DA	75		30	45	150	5
Physico-chemical methods of analysis	Compulsory Courses	2+1+1	30	15	DA	60		60	30	150	5
Clinical practice 2	Compulsory Courses	-	0	0	-			210	0	210	7
Ergonomics and occupational medicine	Elective Courses	2+1+1	30	15	DA	60	15		45	120	4
Radiology and imaging in healthcare											
<b>TOTAL:</b>			<b>345</b>	<b>285</b>	<b>105</b>	<b>750</b>	<b>45</b>	<b>420</b>	<b>585</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Professional Bachelor Study Program – Laboratory-Medical Engineering– 180  
ECTS Third Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Histopathology Laboratory Analysis	Compulsory Courses	2+1+1	30	15	DA	60			60	120	4
Sanitary Microbiology	Compulsory Courses	2+1	30	15	-	45			75	120	4
Immunology	Compulsory Courses	2+1	30	15	-	45			75	120	4
Medical bacteriology	Compulsory Courses	2+1	30	15	-	45			75	120	4
Methodology of scientific research	Compulsory Courses	2+1	30	15	-	45			75	120	4
Standardization and quality control in laboratories	Compulsory Courses	1+1+1	15	15	DA	45			75	120	4
Hospital infections - Control and prevention	Elective Courses	3+2	45	30	-	75			105	180	6
Toxicology											
<b>SUMMER SEMESTER</b>											
The Basics of Transfusiology	Compulsory Courses	2+2+1	30	30	DA	75			75	150	5
Cytology	Compulsory Courses	3+2	45	30	-	75			45	120	4
Histology	Compulsory Courses	3+2	45	30	-	75			75	150	5
Magnetic resonance imaging and computed tomography	Elective Courses	2+2+1	30	30	DA	75		30	75	180	6
Cytogenetic techniques											
Final Paper/ Graduate Thesis	Compulsory Courses							300	0	150	10
<b>TOTAL:</b>			<b>345</b>	<b>285</b>	<b>105</b>	<b>750</b>	<b>45</b>	<b>420</b>	<b>585</b>	<b>1800</b>	<b>60</b>
<b>Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP</b>											

**Four-Year Academic Bachelor's Program**  
**Academic Undergraduate Study – Healthcare Nursing – 240 ECTS**  
**First Year of Study**

WINTER SEMESTER											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Basic anatomy	Compulsory Courses	3+2	45	30	-	75			75	150	5
Basics of health care	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Basic physiology	Compulsory Courses	2+1	30	15	-	45			45	90	3
Physics and biophysics	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Biochemistry	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Medical Ethics	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice 1	Compulsory Courses	-	-	-	-	-		90	0	90	3
English language 1	Elective Courses	2+1+1	30	15	DA	60			60	120	4
German language 1											
SUMMER SEMESTER											
Basic pathology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Clinical microbiology	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Nursing care of patients with Infectious Diseases	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Psychology	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice 2	Compulsory Courses	-	-	-	-	-		120	0	120	4
Epidemiology	Elective Courses	2+2+1	30	30	DA	75			75	150	5
Social security law and protection											
<b>TOTAL:</b>			<b>375</b>	<b>240</b>	<b>60</b>	<b>675</b>	<b>0</b>	<b>450</b>	<b>675</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Healthcare Nursing – 240 ECTS  
Second Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Week ly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	P	PP						
Nursing care in primary healthcare system	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Nursing care of intensive care patients	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Pharmacology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Informatics in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Statistical methods in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice I	Compulsory Courses	-	-	-	-			150	0	150	5
Hygiene and dietetics	Elective Courses	2+1+1	30	15	DA	60	30		60	150	5
Basics of communications in healthcare											
<b>SUMMER SEMESTER</b>											
Nursing Care Internističkih bolesnika	Compulsory Courses	2+2+1	30	30	DA	75		30	45	150	5
Nursing Care in Pediatrics	Compulsory Courses	2+2+1	30	30	DA	75		30	45	150	5
Geriatrics with palliative nursing care	Compulsory Courses	2+2+1	30	30	DA	75		60	75	210	7
Nursing care of oncology patients	Compulsory Courses	2+1+1	30	15	DA	60		60	60	180	6
Clinical practiceIV	Compulsory Courses	-	-	-	-			60	0	60	2
Ergonomics and occupational medicine	Elective Courses	2+2+1	30	30	DA	75		15	60	150	5
Radiology and imaging in healthcare											
<b>TOTAL:</b>			<b>300</b>	<b>240</b>	<b>120</b>	<b>660</b>	<b>30</b>	<b>525</b>	<b>585</b>	<b>1800</b>	<b>60</b>

Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP

**Academic Undergraduate Study – Healthcare Nursing – 240 ECTS  
Third Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Nursing care of surgery patients	Compulsory Courses	3+2+1	45	30	DA	90		60	90	240	8
Emergency Medicine with Nursing Care	Compulsory Courses	2+1+1	30	15	DA	60		30	60	150	5
Management in health care	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Nursing care of psychiatry patients	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Clinical practiceV	Compulsory Courses	-	-	-	-			60	0	60	2
Nursing care of neurology patients	Elective Courses	3+2+1	45	30	DA	90		30	90	210	7
Nursing care of ophthalmology patients											
<b>SUMMER SEMESTER</b>											
Nursing care of gynaecological patients	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Medical Rehabilitation	Compulsory Courses	2+2+1	30	30	DA	75		60	45	180	6
Health care promotion and disease prevention	Compulsory Courses	2+2+1	30	30	DA	75			45	120	4
Methodology and health care organization	Compulsory Courses	2+1+1	30	15	DA	60		30	0	90	3
Clinical practiceVI	Compulsory Courses	-	-	-	-			120	0	120	4
Health care in emergency conditions	Elective Courses	3+2+1	45	30	DA	90		60	90	240	8
Hospital infections - Control and prevention											
<b>TOTAL:</b>			<b>330</b>	<b>225</b>	<b>120</b>	<b>675</b>	<b>0</b>	<b>570</b>	<b>555</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Healthcare Nursing – 240 ECTS  
Fourth Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Cardiology and nursing care	Compulsory Courses	3+1+1	45	15	DA	75		60	75	210	7
Nursing care in Pulmonology	Compulsory Courses	3+1+1	45	15	DA	75		60	75	210	7
Methodology of scientific research	Compulsory Courses	2+1+1	30	15	DA	60			60	120	4
Clinical practice VII	Compulsory Courses	-	-	-	-	-		180	0	180	6
Community mental health	Elective Courses	2+2+1	30	30	DA	75		30	75	180	6
Magnetic resonance imaging and computed tomography											
<b>SUMMER SEMESTER</b>											
Instruments used in radiology	Compulsory Courses	2+1	30	15	-	45			45	90	3
Healthcare quality control	Compulsory Courses	2+1	30	15	-	45			45	90	3
Nursing care in rehabilitation	Compulsory Courses	2+1	30	15	-	45			45	90	3
Physical Medicine	Compulsory Courses	3+2+1	45	30	DA	90	15		105	210	7
Basic kinesitherapy	Elective Courses	2+1+1	30	15	DA	60			60	120	4
Transfusiology and laboratory diagnostics											
Graduate Thesis	Compulsory Courses	0+1		15		15		120	165	300	10
<b>TOTAL:</b>			<b>315</b>	<b>180</b>	<b>90</b>	<b>585</b>	<b>15</b>	<b>450</b>	<b>750</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Physiotherapy and Occupational Therapy – 240  
ECTS-First Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Basic anatomy	Compulsory Courses	3+2	45	30	-	75			75	150	5
Basics of health care	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Basic physiology	Compulsory Courses	2+1	30	15	-	45			45	90	3
Physics and biophysics	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Biochemistry	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Medical Ethics	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice I	Compulsory Courses	-	-	-	-	-		90	0	90	3
English Language I	Elective Courses	2+1+1	30	15	DA	60			60	120	4
German Language I											
<b>SUMMER SEMESTER</b>											
Basic pathology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Clinical microbiology	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Nursing Care of Infectious Disease Patients	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45			45	90	3
Medical Psychology	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice 2	Compulsory Courses	-	-	-	-	-		120	0	120	4
Epidemiology	Elective Courses	2+2+1	30	30	DA	75			75	150	5
Social security law and protection											
<b>TOTAL:</b>			375	240	60	675	0	450	675	1800	60
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Physiotherapy and Occupational Therapy – 240  
ECTS-Second Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Nursing care in primary healthcare system	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Nursing care of intensive care patients	Compulsory Courses	2+1	30	15	-	45		60	45	150	5
Pharmacology	Compulsory Courses	2+2	30	30	-	60			60	120	4
Informatics in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Statistical methods in healthcare	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Clinical practice 2	Compulsory Courses	-	-	-	-			150	0	150	5
Hygiene and dietetics	Elective Courses	2+1+1	30	15	DA	60	30		60	150	5
Basics of communications in healthcare											
<b>SUMMER SEMESTER</b>											
Nursing Care Internističkih bolesnika	Compulsory Courses	2+2+1	30	30	DA	75		30	45	150	5
Nursing Care in Pediatrics	Compulsory Courses	2+2+1	30	30	DA	75		30	45	150	5
Geriatrics with palliative nursing care	Compulsory Courses	2+2+1	30	30	DA	75		60	75	210	7
Nursing care of oncology patients	Compulsory Courses	2+1+1	30	15	DA	60		60	60	180	6
Clinical practiceIV	Compulsory Courses	-	-	-	-			60	0	60	2
Ergonomics and occupational medicine	Elective Courses	2+2+1	30	30	DA	75		15	60	150	5
Radiology and imaging in healthcare											
<b>TOTAL:</b>			<b>300</b>	<b>240</b>	<b>120</b>	<b>660</b>	<b>30</b>	<b>525</b>	<b>585</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Physiotherapy and Occupational Therapy – 240  
ECTS-Third Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	CP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Physical Medicine	Compulsory Courses	3+2	45	30	-	75		60	45	180	6
Basics of kinesiology with biomechanics	Compulsory Courses	3+2	45	30	-	75	30		75	180	6
Medical massage	Compulsory Courses	2+3	30	45	-	75			75	150	5
Sports Medicine	Compulsory Courses	1+1	15	15	-	30		30	30	90	3
Clinical practice V	Compulsory Courses	-	-	-	-			150		150	5
Health care of persons with special needs	Elective Courses	2+1	30	15	-	45	30		75	150	5
Sport i wellness											
<b>SUMMER SEMESTER</b>											
Basic kinesotherapy	Compulsory Courses	2+1	30	15	-	45	45		90	180	6
Occupational Therapy	Compulsory Courses	2+1	30	15	-	45	15		120	180	6
Rheumatology	Compulsory Courses	2+1	30	15	-	45			105	150	5
Paediatric Physiotherapy	Compulsory Courses	1+1+1	15	15	DA	45			105	150	5
Clinical practice VI	Compulsory Courses	-	-	-	-			150		150	5
Immunology	Elective Courses	2+0	30	0	-	30			60	90	3
Theory of Sports Training											
<b>TOTAL:</b>			<b>270</b>	<b>180</b>	<b>15</b>	<b>465</b>	<b>120</b>	<b>390</b>	<b>705</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures);Practical Exercises-P (Practicals) ;Seminar Paper or Seminar Work-S (Seminar);Clinical Exercises-CE ;Clinical Practice-CP											

**Academic Undergraduate Study – Physiotherapy and Occupational Therapy – 240  
ECTS-Fourth Year of Study**

<b>WINTER SEMESTER</b>											
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	CE	PP	Independent Student Work	Total Work Hours	ECTS
			T	V	S						
Physiotherapy in Neurology	Compulsory Courses	3+2	45	30	-	75			75	150	5
Management in health care	Compulsory Courses	1+1+1	15	15	DA	45			45	90	3
Physiotherapy in Orthopedics and Traumatology	Compulsory Courses	2+1	30	15	-	45	15		60	120	4
Manual Physical Therapy Techniques	Compulsory Courses	2+1	30	15	-	45			45	90	3
Methodology of scientific research	Compulsory Courses	2+1+1	30	15	DA	60			60	120	4
Clinical practice VII	Compulsory Courses	-	-	-	-			150		150	5
Magnetic resonance imaging and computed tomography	Elective Courses	2+2+1	30	30	DA	75		30	75	180	6
Community mental health											
<b>SUMMER SEMESTER</b>											
Occupational Therapy in Psychiatry	Compulsory Courses	2+1+1	30	15	DA	60			60	120	4
Geriatric physiotherapy	Compulsory Courses	2+1+1	30	15	DA	60			60	120	4
Medical Rehabilitation	Compulsory Courses	3+1	45	15	-	60	30		90	180	6
Prosthetics and orthotics	Elective Courses	2+1+1	30	15	DA	60	30		90	180	6
Balneology											
Graduate Thesis	Compulsory Courses	0+1		15		15		120	165	300	10
<b>TOTAL:</b>			<b>315</b>	<b>195</b>	<b>90</b>	<b>600</b>	<b>75</b>	<b>300</b>	<b>825</b>	<b>1800</b>	<b>60</b>
Theoretical Instruction or Lectures-L (Lectures); Practical Exercises-P (Practicals) ; Seminar Paper or Seminar Work-S (Seminar); Clinical Exercises-CE ; Clinical Practice-CP											

## Academic Undergraduate Study – Geriatric Nursing – 240 ECTS First Year of Study

WINTER SEMESTER									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Basic anatomy	Compulsory Courses	3+2	45	30	-	75	135	210	7
Basic physiology	Compulsory Courses	2+1	30	15	-	45	105	150	5
Basics of health care	Compulsory Courses	2+4	30	60	-	90	120	210	7
Informatics in healthcare	Compulsory Courses	2+1	30	15	-	45	75	120	4
Medical Psychology	Compulsory Courses	3+0	45	-	-	45	45	90	3
Basics of communications in healthcare	Compulsory Courses	2+2	30	30	-	60	60	120	4
SUMMER SEMESTER									
Social Medicine	Compulsory Courses	2+1	30	15	-	45	75	120	3
Basic Pathophysiology	Compulsory Courses	2+1	30	15	-	45	75	120	4
German language 1	Compulsory Courses	2+1	30	15	-	45	75	120	4
Medical Biochemistry	Compulsory Courses	2+2	30	30	-	60	60	120	4
Nutrition Hygiene and Dietetics	Compulsory Courses	2+1	30	15	-	45	75	120	4
Health care of persons with special needs	Elective Courses	1+1	15	15	-	30	30	60	2
Health pedagogy									
Clinical practice I	Compulsory Courses	-	-	-	270	270	-	270	9
<b>TOTAL:</b>			<b>375</b>	<b>255</b>	<b>270</b>	<b>900</b>	<b>930</b>	<b>1830</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Academic Undergraduate Study – Geriatric Nursing – 240 ECTS  
Second Year of Study**

WINTER SEMESTER									
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Basic pathology	Compulsory Courses	2+0	30	-	-	30	30	60	2
Nursing Care Internističkih bolesnika	Compulsory Courses	2+4	30	60	-	90	120	210	7
Nursing care of surgery patients	Compulsory Courses	2+4	30	60	-	90	120	210	7
Nursing Care in Gynecology and Obstetrics	Compulsory Courses	2+4	30	60	-	90	120	210	7
Nursing care in primary healthcare system i porodici	Compulsory Courses	2+4	30	60	-	90	120	210	7
SUMMER SEMESTER									
Nursing Care in Pediatrics	Compulsory Courses	2+4	30	60	-	90	120	210	7
Pharmacology	Compulsory Courses	2+0	30	-	-	30	30	60	2
Epidemiology i Nursing Care of Infectious Disease Patients	Compulsory Courses	2+4	30	60	-	90	120	210	7
Community Health Nursing	Compulsory Courses	2+2	30	30	-	60	60	120	4
Medical Ethics	Elective Courses	2+0	30	-	-	30	0	30	1
Sports Medicine									
Clinical practiceII	Compulsory Courses	-	-	-	240	240	30	270	9
<b>TOTAL:</b>			<b>300</b>	<b>390</b>	<b>240</b>	<b>930</b>	<b>870</b>	<b>1800</b>	<b>60</b>
T (Theory) P (Practical) PP (Professional Practice)									

**Academic Undergraduate Study – Geriatric Nursing – 240 ECTS  
Third Year of Study**

**WINTER SEMESTER**

Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Management in health care	Compulsory Courses	2+2	30	30	-	60	60	120	4
Nursing care in rehabilitation	Compulsory Courses	2+2	30	30	-	60	120	180	6
Emergency Medicine	Compulsory Courses	2+2	30	30	-	60	120	180	6
Palliative care	Compulsory Courses	2+1	30	15	-	45	75	120	4
Health care in geriatrics	Compulsory Courses	2+2	30	30	-	60	90	150	5
Nursing care of psychiatric patients	Compulsory Courses	2+2	30	30	-	60	90	150	5

**SUMMER SEMESTER**

Nursing care of neurology patients	Compulsory Courses	2+4	30	60	-	90	150	240	8
Radiology and imaging in healthcare	Compulsory Courses	2+1	30	15	-	45	105	150	5
Prosthetics and orthotics	Compulsory Courses	2+1	30	15	-	45	75	120	4
Social security law and protection	Elective Courses	2+0	30	0	-	30	90	120	4
Marketing in healthcare									
Clinical practice I	Compulsory Courses	-	-	-	240	240	30	270	9
<b>TOTAL:</b>			<b>300</b>	<b>255</b>	<b>240</b>	<b>795</b>	<b>1005</b>	<b>1800</b>	<b>60</b>

T (Theory) P (Practical) PP (Professional Practice)

**Academic Undergraduate Study – Geriatric Nursing – 240 ECTS  
Fourth Year of Study**

**WINTER SEMESTER**

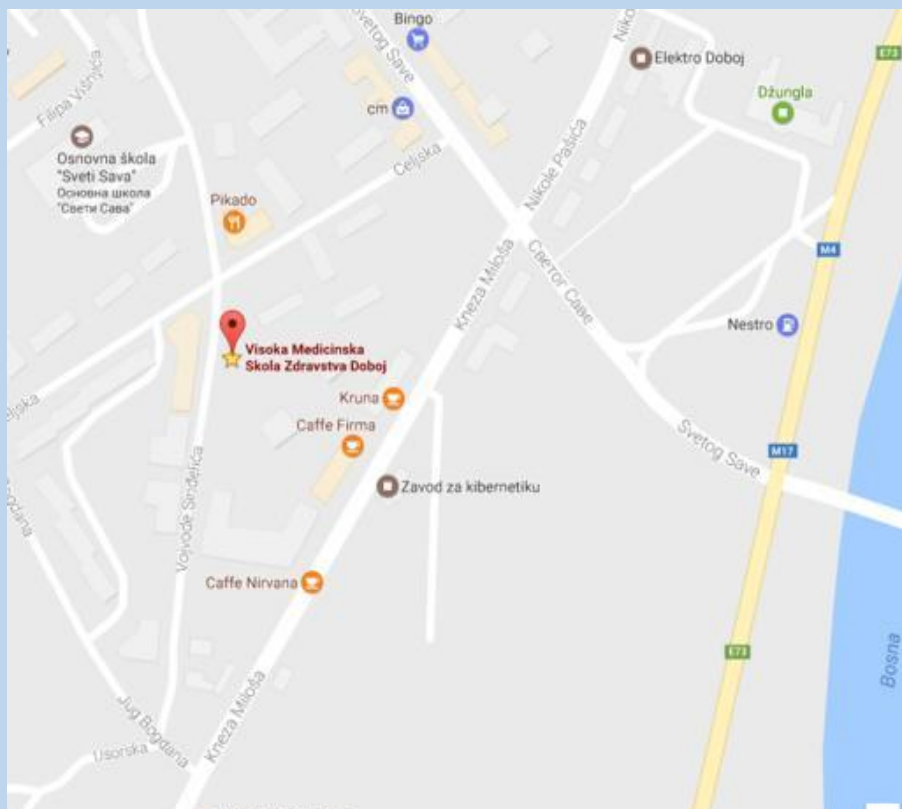
Subject	Subject Status	Weekly Hours	Active Teaching Hours			Total Active Teaching Hours	Independent Student Work	Total Work Hours	ECTS
			T	V	S				
Nursing care of oncology patients	Compulsory Courses	2+4	30	60	-	90	150	240	8
Methodology of the scientific research	Compulsory Courses	3+0	45	0	-	45	105	150	5
German language 2	Compulsory Courses	2+1	30	15	-	45	75	120	4
Developmental Psychology and Aging	Compulsory Courses	2+2	30	30	-	60	120	180	6
Health care promotion and disease prevention	Compulsory Courses	2+3	30	45	-	75	135	210	7

**SUMMER SEMESTER**

Healthy and Pathological Aging	Compulsory Courses	3+0	45	0	-	45	105	150	5
Statistical methods in healthcare	Compulsory Courses	3+0	45	0	-	45	105	150	5
Hospital infections and sanitary protection	Compulsory Courses	2+2	30	30	-	60	120	180	6
Nursing Care in Traumatology	Elective Courses	2+0	30	0	-	30	90	120	4
Immunology									
Graduate Thesis	Compulsory Courses	-	-	-	-	-	300	300	10
<b>TOTAL:</b>			<b>315</b>	<b>180</b>	<b>0</b>	<b>495</b>	<b>1305</b>	<b>1800</b>	<b>60</b>

T (Theory) P (Practical) PP (Professional Practice)

**Print: Logos Books Bookstore  
33 Cara Dušana Street  
74 000 Doboj**



☎ Phone: +387 53 961 620

☎ Viber: +387 66 247 733

✉ E-mail: [studentska.sluzba@vmsz.ba](mailto:studentska.sluzba@vmsz.ba)

🌐 Website: [www.vmsz.ba](http://www.vmsz.ba)

📍 Address: 45 Vojvode Sindelića Street,  
74 000 Dobož,  
Republic of Srpska,  
Bosnia and Herzegovina