



# UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE

UNIVERSITET U ZAGREBU MEDICINSKI FAKULTET

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# University of Zagreb School of Medicine

## 1. UNIVERSITY OF ZAGREB

### 1.1. Basic information about the University of Zagreb

The University of Zagreb currently comprises a total of 31 faculties and three art academies, one interdisciplinary study, one university centre, as well as the University Computing Centre and university centres in Zagreb, Sisak, and Varaždin.

More than 50,000 students are enrolled in study programmes covering biotechnical, biomedical, social-humanistic, natural sciences, technical, and artistic fields. Comprehensive data is available on the University website <http://www.unizg.hr> (source: [http://www.unizg.hr/en/about\\_the\\_university/history](http://www.unizg.hr/en/about_the_university/history))

Enrolment and graduation statistics provide compelling evidence of the quality, recognition, and appeal of the study programmes offered by the University of Zagreb.

### 1.2. The structure and organisation

As one of the largest and most dynamic universities in the region, the University of Zagreb has a diverse structure consisting of numerous faculties and art academies. The University offers over 350 study programmes in the fields of natural sciences, technical sciences, medical sciences, biotechnical sciences, social sciences, humanities, arts, and interdisciplinary areas.

The organisation of the University is decentralized, with each faculty and art academy possessing autonomy while also collaborating and operating within the framework of the University as a whole.

### 1.3. Collaboration and partnerships

The University of Zagreb has a rich network of collaborations with numerous domestic and international institutions. Partnerships involve student and staff exchanges, joint research projects, conferences, workshops, and symposia. The University is actively engaged in various international programmes, including the Erasmus+ programme for student and staff mobility.

These collaborations provide students, faculty, and researchers with opportunities to expand their knowledge and skills, as well as to connect with the international academic community. Involvement in international programmes and networks also contributes to the global reputation of the University.

### 1.4. Study programmes and research

The University of Zagreb offers a wide range of study programmes at the undergraduate, graduate, and PhD levels, including numerous interdisciplinary programmes. Additionally, the university provides a variety of postgraduate specialist and professional study programmes.

Research activities at the University are diverse and innovative, encompassing everything from fundamental scientific research to applied projects in collaboration with industrial partners. The University hosts a number of research centres and laboratories, where advanced research is conducted across various scientific disciplines.

### 1.5. Student life

The University of Zagreb offers a vibrant student life with numerous student clubs, organisations, and events. Students can participate in sports activities, cultural events, volunteer programmes, and other

activities. The University campus provides various facilities for students, including libraries, sports facilities, dining halls, and student dormitories.

Engaging in student life allows students to develop skills beyond the classroom, make new friendships, and experience the richness of university life.

## 1.6. Conclusion

The University of Zagreb is more than a place of learning. It is a nexus where science, culture, innovation, and ambitions converge. As the central hub of the academic community in Croatia, the university plays a crucial role in shaping the future of the country and beyond. Through its diverse programmes, research endeavours, and rich student life, the University continues its mission of shaping new generations of leaders, scientists, artists, and innovators.

## 1.7. Contact information for the University of Zagreb:

Address: Trg Republike Hrvatske 14, 10000 Zagreb, Croatia

Temporary address: Radoslava Cimermana 88, SEECCEL Buidling, 10 000 Zagreb, Croatia

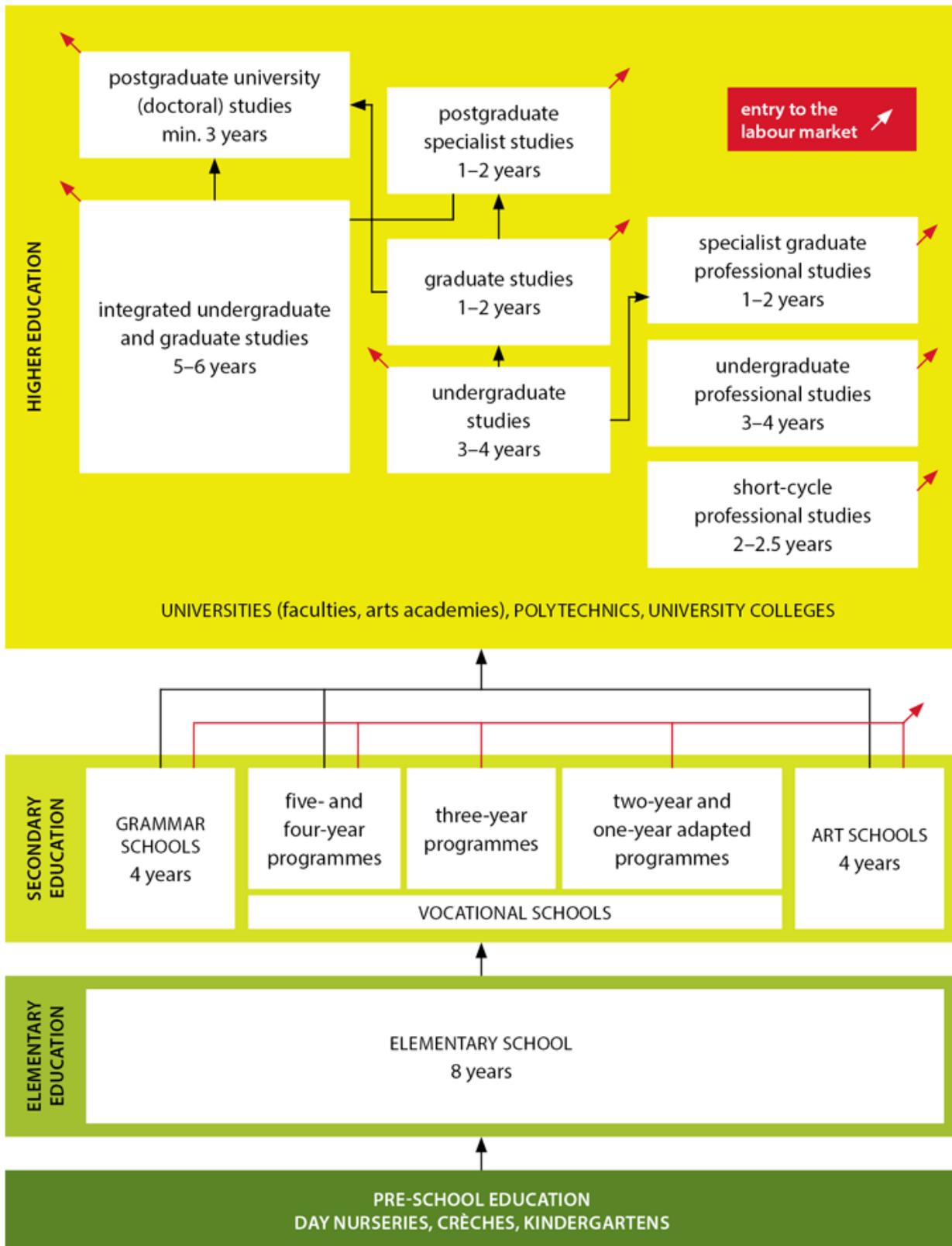
Phone: +385 1 4564 111

Fax: +385 1 4830 602

Website: [unizg.hr](http://unizg.hr)

E-mail: [unizginfo@unizg.hr](mailto:unizginfo@unizg.hr)

## 1.8. Different categories of studies in Croatia



## 1.9. Academic calendar

The academic calendar is a fundamental document that provides an overview of all key activities within the academic year. At the University of Zagreb, the Senate is responsible for compiling the academic calendar. The Senate establishes a standardized course of instruction and other activities across all university units, taking into account key dates crucial for the functioning of university bodies.

On the other hand, at the University of Zagreb School of Medicine, the Faculty Council is the body responsible for creating the academic calendar. For each academic year, the calendar is publicly available on the School of Medicine website.

### ACADEMIC CALENDAR FOR 2025/2026 ACADEMIC YEAR

OCTOBER 2025						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

1. Start of lessons in winter semester\*

14. Regular (1<sup>st</sup>) Session of the Senate

16. *Veni Sancte Spiritus*

NOVEMBER 2025						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

1. ALL SAINTS DAY

3. Ceremonial Session of the Senate

*DIES ACADEMICUS*

11. Regular (2<sup>nd</sup>) Session of the Senate

13. - 14. UNIVERSITY OF ZAGREB FAIR

18. REMEMBRANCE DAY

DECEMBER 2025						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

9. Regular (3<sup>rd</sup>) Session of the Senate

24. RECTOR'S DAY

25. CHRISTMAS

26. ST. STEPHEN'S DAY

27 - 31. CHRISTMAS AND NEW YEAR HOLIDAYS

JANUARY 2026						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

1. NEW YEAR'S DAY

2. - 5. CHRISTMAS AND NEW YEAR HOLIDAYS

6. EPIPHANY

9. Regular (4<sup>th</sup>) Session of the Senate

23. End of lessons in winter semester

26. Start of winter exam term

FEBRUARY 2026						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

10. Regular (5<sup>th</sup>) Session of the Senate

20. End of winter exam term

23. Start of lessons in summer semester

MARCH 2026						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

10. Regular (6<sup>th</sup>) Session of the Senate

APRIL 2026						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

5. EASTER

6. EASTER MONDAY

14. Regular (7<sup>th</sup>) Session of the Senate

MAY 2026						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

1. LABOUR DAY

12. Regular (8<sup>th</sup>) Session of the Senate

30. STATEHOOD DAY

JUNE 2026						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

4. CORPUS CRISTI

5. End of lessons in summer semester

8. Start of summer exam term

9. Regular (9<sup>th</sup>) Session of the Senate

18. *TE DEUM*

22. ANTI-FASCIST RESISTANCE DAY

JULY 2026						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

10. End of summer exam term

14. Regular (10<sup>th</sup>) Session of the Senate

AUGUST 2026						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

5. VICTORY AND HOMELAND THANKSGIVING DAY

15. ASSUMPTION OF MARY

24. Start of autumn exam term

SEPTEMBER 2026						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
13	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

8. Regular (11<sup>th</sup>) Session of the Senate

30. End of autumn exam term

\*In accordance with the Act on Higher Education and Scientific Activities, each university constituent determines the beginning of lessons, completion of semesters, end of lessons and exam terms with its academic calendar.

## LEGEND

	PUBLIC HOLIDAY		REGULAR SENATE SESSIONS		CHRISTMAS AND NEW YEAR HOLIDAYS		WINTER EXAM TERM
	SUNDAY		UNIVERSITY OF ZAGREB FAIR		LESSONS IN WINTER SEMESTER		SUMMER EXAM TERM
					LESSONS IN SUMMER SEMESTER		AUTUMN EXAM TERM

### Recognition of qualifications depends on the type of education:

When it comes to secondary education:

- Qualifications from general, gymnasium, and arts programmes are recognized by the Croatian National Education and Teacher Training Agency.
- For vocational programmes, the Croatian National Agency for Vocational Education and Training and Adult Education is competent.

For higher education qualifications and study periods:

- If the purpose is further education in Croatia, recognition falls under the jurisdiction of the universities.
- If the goal is employment, the Croatian National Agency for Science and Higher Education, specifically its National ENIC/NARIC office, is responsible. For medical doctors, the Croatian Medical Chamber is responsible, and for nurses, the Croatian Chamber of Nurses.

Specialisations and professional exams are recognized by relevant ministries and professional organisations.

Requests for recognition of foreign higher education qualifications and study periods for further education purposes are submitted by mail to the Office for Academic Recognition of Foreign Higher Education Qualifications at the University of Zagreb.

For any additional questions, you can call +385 1 4564 272 (Monday - Friday, 9 a.m.-11.30 p.m.) or send an inquiry via email at [akadured@unizg.hr](mailto:akadured@unizg.hr).

Comprehensive data and forms are available on the official website of the University. The Office for Academic Recognition at the University of Zagreb issues a certificate of the acquired qualification and the duration of the study, while a special committee at the School of Medicine conducts the recognition process of ECTS points obtained during the completion of a foreign undergraduate university study.

## 2. UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE

### 2.1. History and general information about the University of Zagreb School of Medicine

The University of Zagreb School of Medicine (hereinafter referred to as the School) was established by the decision of the Croatian Parliament in January 1917, as the first such school in the southeastern Europe. The official teaching at the School commenced in 1918 with the inaugural lecture by Drago Perović (On the Direction of Teaching and Scientific Work in Anatomy). The history of the School is detailed in a monograph published on the occasion of the 100th anniversary of the founding of the School of Medicine at the University of Zagreb (<https://mef.unizg.hr/app/uploads/2023/11/Monografija-Medicinskog-fakulteta-Sveucilista-u-Zagrebu.pdf>). Since its establishment, the School has been a key component of the University of Zagreb, closely collaborating with the Croatian Academy of Sciences and Arts (HAZU). It serves as a central institution not only for the development and advancement of scientific, educational, and professional activities in the field of biomedicine and health sciences but also for the overall development of the Croatian healthcare system.

For example, our School initiated the establishment of the Faculty of Medicine at the University of Rijeka (opened in 1955); in 1979, it opened its branch studies in Split and Osijek, which later became independent Faculties of Medicine (Split in 1997, Osijek in 1998). The Dental School of the University of Zagreb was part of our Faculty until 1962, and the Health Polytechnic was part of our School until 1997. As part of the University of Zagreb, our School also participated in the establishment of the Faculty of Education and Rehabilitation Sciences and the Faculty of Kinesiology. Five of our professors have served as rectors of the University (Karlo Radoničić, Drago Perović, Branko Špišić, Andrija Štampar, Zdenko Krajina), and some have been vice-rectors (Zdenko Kovač, Miloš Judaš, Boris Brkljačić). Since its inception, many of our professors have also been prominent members of the Croatian Academy of Sciences and Arts (HAZU), with some serving as its presidents (Andrija Štampar, Ivo Padovan, Zvonko Kusić).

The School has been organizing postgraduate education since 1947 (initially as courses for physicians), and since 1955, it has offered postgraduate specialist, master's, and PhD studies. Master's studies were abolished in 1998, and since 2003, the School has had a PhD programme in Biomedicine and Health Sciences, and since 2006, a PhD programme in Neuroscience. Today, our School educates more than 60% of all medical doctors in Croatia and over 80% of all PhDs of medical sciences. To date, 26,498 Doctors of Medicine have graduated from the School (including 400 from the English-language programme), along with 545 Masters in nursing.

Recognizing its crucial role in public health development, the School gained international recognition on April 7, 1948, with the founding of the World Health Organisation (hence the celebration of International Health Day on that date). Our former professor and dean, Andrija Štampar, served as the President of the Founding Assembly. Our staff has also held key positions in the Croatian Medical Association and the Croatian Chamber of Physicians, various working groups of the Ministry of Health, led numerous professional societies promoting evidence-based medicine, and collaborated with various segments of civil society (e.g., patient associations) to promote public health.

Finally, our School made a significant contribution during the Croatian War of Independence, both in terms of healthcare (organizing wartime medical services) and addressing various humanitarian crises (care for displaced persons and refugees, prisoner exchanges, humanitarian convoys, etc.). This contribution continues to this day through continuous healthcare and psycho-social care for war veterans and civilian victims of the Croatian War of Independence and identification of war victims' remains, etc. (LINK to relevant chapters of the Monograph).

It is not surprising that our School has received numerous awards for these achievements, including the Croatian State Award for exceptional contributions in teaching activities, science and research, as well as social and humanitarian activities in medicine, continuous development and improvement of healthcare (decision of the President of the Republic of Croatia from 31 July 2017), as well as corresponding awards and the gold medal award of the University of Zagreb.

**Scientific excellence and international recognition.** The internationalisation of the overall academic life and work has been a long-term characteristic of the School since its inception. Many of our teachers hold leading positions in international professional associations, organize international conferences, are members of international panels and committees for the review of research projects, serve as editors of prestigious international journals, and have received the highest national, European, and global awards for their work. Based on the number of internationally recognized scientific publications, our School is the leading scientific institution in Croatia: our staff publish around 1,200 papers per year in Scopus indexed journals, out of which 70% are original scientific paper, and two thirds are in open access. Almost half of the papers are results of international cooperation with more than 150 countries. Two thirds of papers indexed in exclusive WoS databases Science Citation Index Expanded (SCI-EXPANDED) and Social Sciences Citation Index (SSCI) have been published in most influential journals, ranked in the first and second quartile (JCR Q1 and Q2) of its specific field. Finally, out of a total of 10 scientific centres of excellence in the STEM field in Croatia, two are based at our School: the Scientific Centre of Excellence for Reproductive and Regenerative Medicine and the Scientific Centre of Excellence for Basic, Clinical, and Translational Neuroscience.

**Internationalization and modernization of education at the School from 1990 to the present.** The first key change was the transition from a five-year to a six-year study programme - the first generation of students enrolled in the academic year 1990/1991. Subjects integrating previously acquired knowledge were introduced into the sixth year of study, along with numerous elective courses and an integrated hospital internship organized as clinical duty in clinical outpatient departments. The quality of teaching staff has been continuously improving - for example, we established the Research Department of Educational Technology, the Croatian Society for Medical Education, introduced the Art of Medical Education programme, and, in collaboration with Harvard Medical International, trained teachers for problem-based learning, etc.

The School thus welcomed the new European approach to higher education and, in the academic year 2004/2005, enrolled the first generation of students under the Bologna Process (a new accredited integrated six-year undergraduate and graduate programme in Medicine, leading to the academic title of Doctor of Medicine), with the implementation of an innovative approach to medical education marked by the acronym SPICES (Student-centred, Problem-based, Integrated, Community-based, Electives, Systematic). In the academic year 2008/2009,

we aligned the study requirements with European Directive 2005/36/EC (recognition of professional qualifications), defining a 6-year, 5,500-hour medicine study programme. The increased workload was used for additional practical content and skills - that is, the study was directed towards learning outcomes and competence acquisition. Furthermore, in 2003, we initiated the Integrated Undergraduate and Graduate Medicine Study in English (which also allows the enrolment of foreign students using EU mobility programmes). The success of this programme is best evidenced by our School being the first in the EU to be awarded the Certificate for the Quality of Internationalization of the Integrated Undergraduate and Graduate Study in Medicine in English in the field of biomedicine in 2015 (CeQuint).

Finally, in the academic year 2011/2012, we were the first in the Republic of Croatia to introduce the Graduate University Study in Nursing, thus enabling nurses to obtain a university degree.

**Introduction of PhD studies as the third cycle of the Bologna Process (with the aim of linking the European Higher Education Area and the European Research Area).** We introduced the postgraduate study programme for obtaining the academic title of Doctor of Medical Sciences in the academic year 1997/1998. This programme has been named Biomedicine and Health Sciences since 2003/2004, and the corresponding programme in English was introduced in 2007/2008. This study programme was the first in Croatia to follow the principles of the Bologna Process and implement the ECTS credit system. The School has also been actively involved in the development and harmonization of PhD studies at the European level. In 2004, the non-governmental organisation ORPHEUS (Organisation of PhD Education in Biomedicine and Health Sciences in the European System) was established at our School to promote the harmonization of PhD studies in the field of biomedicine. Finally, in 2005/2006, we introduced a new PhD programme in Neuroscience.

**Introduction of new specialisation programmes for doctors of medicine.** The new specialisation programmes are focused on learning outcomes and the acquisition of general and specific competencies for each specialisation, as prescribed by the Ordinance on Medical Doctor Specialisations (OG 65/22). The regulation has specified a total of 49 specialisations, each including a corresponding postgraduate specialist study programme (theoretical part of training) conducted at the School (with the exception of the Infectious Diseases study, which is shared for specialisations in Infectious Diseases and Paediatric Infectious Diseases). Our School is the only medical school in Croatia with accredited postgraduate specialist study programmes for all specialisations. Additionally, we have signed an agreement with the remaining three medical schools (Osijek, Rijeka, Split) for the joint implementation of the Transfusion Medicine study programme (with our School as the lead). Furthermore, in collaboration with the Faculty of Kinesiology, we have successfully reaccredited the Occupational Medicine and Sports Medicine study programme (with our School as the lead).

**Internationalization of continuing medical education programmes.** Continuing medical education (CME) includes various forms of postgraduate training organized outside of postgraduate studies. In 2017, the School adopted new Regulations on the Method of Conducting Continuing Medical Education at the School of Medicine, aligning all forms of CME with the requirements of the European Credit Transfer and Accumulation System (ECTS) and the European Union of Medical Specialists (UEMS). This enables the evaluation of education, comparability of the type and quality of teaching, the attainment of internationally

recognized credits for foreign participants and teachers in their home countries, and facilitates the international mobility of medical staff.

**Obligation of regular annual reporting on the School's activities.** The School has a longstanding practice of publishing the dean's annual report on the past year's activities in printed form in our newsletter *mef.hr*, in the issue released in December. This serves as a supplementary document for the ceremonial session of the Faculty Council, marking December 17 as the Day of the School of Medicine.

## 2.2. Mission and vision

### MISSION

The mission of the University of Zagreb School of Medicine is to educate competent healthcare professionals who will enhance medical practice, education, and science with their knowledge. The goal of the School is to enrol excellent students who understand the theoretical and practical, psychological, sociological, economic, and cultural factors influencing health and disease. These students should be ready to dedicate themselves to caring for their patients, take necessary actions, show compassion towards patients and their families, and work towards promoting the health of individuals and communities.

The School of Medicine aims to offer a student-oriented programme that integrates basic sciences, excellent clinical education, professional standards, and ethical principles. It applies the best teaching methods and recognizes and rewards outstanding students.

The research mission of the School of Medicine involves the implementation of research programmes based on collaboration, focused on innovation, and connecting scientists from the fields of basic, public health, and clinical sciences. The School will provide a stimulating intellectual environment, promote the scientific and humanitarian aspects of medical practice, and simultaneously conduct scientific research within the framework of international and national projects that contribute to the advancement of science, application in the educational process, and improvement of healthcare.

### VISION

The University of Zagreb School of Medicine is a nationally and internationally recognized institution for excellence in education, scientific research, and the transfer and application of knowledge in the field of biomedicine and healthcare.

## 2.3. Quality management system

At the School, there is a long tradition of a quality assurance system in the form of the continuous work of the Quality Promotion Committee and the Committee for Quality Assurance of Teaching. It is a system that is continuously upgraded, and in the past period, there has been improved student involvement in all School bodies and committees. Efforts have been made to comprehensively collect feedback from students and formally evaluate the teaching staff.

Efforts have also been invested in adapting the implementation of educational programmes in graduate, professional postgraduate, and PhD studies considering the limitations caused by the pandemic. This situation has prompted more lasting changes in the delivery of education, utilizing the potential of modern information technology to enable quality distance learning.

In terms of the social role of the School, significant efforts have been made in activities related to the promotion of teaching, scientific, and professional activities (Brain Awareness Week, Science Day, Open Days, Career Day, organisation of public forums and lectures, activities in secondary and primary schools, etc.). Given the School's key role in the lifelong education of physicians and other healthcare personnel, a large number of professional courses have been organized as part of continuous medical education for physicians.

The European Consortium for Accreditation in Higher Education has awarded the CeQuint certificate (Certificate for Quality in Internationalization). With this, the School has become the first biomedical institution of higher education within the European Union to receive this type of certificate.

#### 2.4. Human and material resources

The School possesses rich human, spatial, and informational resources, placing it among the leading higher education institutions in Croatia.

According to the records of the Department of Legal, Human Resources and General Affairs, as of 1 June 2025, the School employs a total of 788 staff, with 64% being teaching staff and the remaining 36% comprising professional, administrative, technical, and support staff.

Concerning the teaching staff, the School employs a total of 504 individuals, including 373 on scientific-teaching positions, accounting for 47.3% of all employees or 74% of teaching staff. Additionally, there are 109 employees in associate positions, constituting 13.8% of the total workforce or 21.6% of teaching staff, and 3 employees in teaching positions, making up 0.38% of all employees or 0.60% of teaching staff.

#### 2.5. Organisation of studies

The studies at the School are structured at two levels. The first level involves conducting six-year integrated undergraduate and graduate university studies: Integrated Undergraduate and Graduate University Study in Medicine and Integrated Undergraduate and Graduate University Study in Medicine in English. Additionally, there is a two-year graduate university study: Graduate University Study in Nursing. The second level of studies comprises two-semester university specialist studies and three-year PhD studies.

In each completed study year, a student typically acquires 60 ECTS points. Upon completion of the integrated undergraduate and graduate university studies, a total of 360 ECTS points are obtained, and the student can enrol in the corresponding university specialist programme (120 ECTS points) and the PhD programme (180 ECTS points).

In the spirit of the Bologna Process and the openness of the European Higher Education Area, the participation of students from other faculties of the University of Zagreb, especially those in the biomedical field, is encouraged. The establishment of joint courses, particularly elective ones, is also encouraged, following the procedures prescribed by the general regulations of the University of Zagreb.

A student who completes the graduate university study at the University of Zagreb School of Medicine can enrol in an appropriate postgraduate programme at the University of Zagreb School of Medicine or at another faculty in Croatia or abroad. Likewise, it is anticipated that students who complete a graduate university study programme at other University of Zagreb

constituents may, under certain conditions defined by specific regulations, enrol in a postgraduate programme at the University of Zagreb School of Medicine.

## 2.6. The enrolment process for a university programme

### 1. Integrated Undergraduate and Graduate University Study in Medicine

The ranking list of applicants for enrolment in the integrated undergraduate and graduate study of Medicine is compiled based on a scoring system of a total of 1000 points, allowing candidates to achieve:

- Up to 160 points based on secondary school performance;
- The following points based on passed exams in the national graduation examination:
  - Croatian language (higher level) up to 100 points,
  - Mathematics (higher level) up to 40 points,
  - English language (higher level) up to 100 points;
- Up to 600 points based on an entrance exam to verify knowledge in Biology, Physics, and Chemistry, essential for the study, conducted by the School of Medicine.

Admission threshold for the is 330 points, i.e., 55% of the total 600 points achievable based on the entrance exam. The threshold for each subject is 40%, or 16 correctly solved tasks.

During the four years of secondary school education, candidates must attend and pass exams in biology, chemistry, and physics for at least two years. If a candidate has not attended and passed two years of Latin language classes in secondary school, they must pass the language exam before enrolling in the second year of the study.

Candidates must meet health requirements specified by the Academic Regulations of Graduate Programmes of the School of Medicine, University of Zagreb, ensuring they have no health barriers for any job within the profession/qualifications they are studying for. Health requirements are verified by a confirmation from the relevant school doctor. Applicants who do not meet one of the health criteria are eliminated from further selection.

Candidates submit their applications through the application system. The application is valid only after submitting the following documents:

- a) Confirmation from the relevant school doctor regarding health and psychophysical fitness for the study of medicine;
- b) Personally signed statement about psychophysical fitness for the Integrated Undergraduate and Graduate University Study in Medicine and for the profession of a medical doctor;
- c) Confirmation of payment of exam fees.
- d) Decision from the Croatian Pension Insurance Institute for candidates with 60% or more physical impairment, along with the Institute for Expertise, Professional Rehabilitation, and Employment of Persons with Disabilities' findings and opinions on the severity and type of disability – impairment of functional abilities. Findings and opinions regarding work capacity (RS Form) for candidates with the 2<sup>nd</sup> to 4<sup>th</sup> degree

of disability according to the List of Severity and Type of Disability - Impairment of Functional Abilities, Excluding Individuals with Intellectual Disabilities (Item V.6. Intellectual Disabilities) individually or in conjunction with other impairments. The submitted findings and opinions for each candidate applying under this basis will be additionally reviewed by an expert committee appointed by the School of Medicine to determine if the candidate has the appropriate health fitness for the study of medicine in accordance with Article 6, paragraphs 6 and 7 of the Academic Regulations of Graduate Programmes of the University of Zagreb School of Medicine.

Candidates from the EU member states must provide a certificate of proficiency in the Croatian language at the B2 level at the enrolment. Additionally, candidates must submit a decision on the recognition of foreign educational qualifications for the purpose of enrolment, without which the enrolment is not possible.

## **2. Integrated Undergraduate and Graduate University Study in Medicine in English Language**

Sixty students are admitted to the Integrated Undergraduate and Graduate University Study in Medicine in English Language, with an obligation to pay tuition fees of 12,000.00 euros annually upfront or 12,200.00 euros (2 x 6,100.00) payable in two instalments, before the start of each semester. Applications are open to individuals who have completed a secondary school education lasting at least four years and passed the finishing graduation exam.

Applications for entrance exams are accepted through official representatives abroad or by mail to University of Zagreb School of Medicine no later than 15 days before the scheduled examination date, which is conducted online according to a schedule that will be previously published on the School website. Each of the entrance exam constitutes a separate entity with a unique exam and list of applicants. Based on the previously conducted entrance exam, spaces for enrolment in the Integrated Undergraduate and Graduate University Study in Medicine in English Language are filled. The entrance exam in the autumn period is held if there are any available spaces for enrolment.

Out of total 1000 points, the candidates can achieve points as follows:

- a) Based on secondary school performance **no points**
- b) Based on passed exams in the national graduation examination **no points**
- c) Based on competences exam  
- written exam in biology, chemistry, and physics and a situational judgement exam **up to 1000 points**

Applicants have to take the entrance exam composed of high-school level biology, physics, and chemistry. The test consists of 120 questions, with 40 questions from each topic. To pass the exam an applicant has to answer correctly to at least 15 questions from each subject and have a total of 61 correct answers.

- d) Based on additional achievements, the following applicants may be exempted from the entrance exam:  
- Applicants who have completed a pre-medical college or passed internationally recognized exam - MCAT – with minimal score 125 for each section;

- Applicants who have earned a BA/BSc degree in natural sciences with good credits in biology, physics, and chemistry.

Candidates who obtained their high school education abroad must have their high school diploma recognized in Croatia in order to be eligible to enrol.

In addition to the mentioned requirements, candidates must also meet health conditions required to successfully complete the study programme and meet the competencies required for the job market.

### **3. Graduate University Study in Nursing**

Candidates eligible for enrolment in the Graduate University Study of Nursing at the University of Zagreb School of Medicine are those who achieve a place within the approved quota on the ranking list for admission in the academic year 2025/2026. The general requirement for enrolment is the completion of an appropriate undergraduate study in nursing or an equivalent undergraduate study in midwifery. Candidates eligible to apply include those who have completed: an undergraduate university study in nursing or midwifery, an undergraduate professional study in nursing or midwifery with the completion of a differential module during the first year of study (professional bachelor's degree in nursing or midwifery).

In addition to the mentioned criteria, candidates must also meet health conditions to successfully complete the study programme and meet the competencies required for the job market.

### **4. PhD Study in Biomedicine and Health Sciences**

The PhD Study in Biomedicine and Health Sciences accepts a minimum of 25 and a maximum of 50 students. Eligible applicants are those who have completed an integrated undergraduate and graduate university study in medicine or another relevant graduate university study or integrated undergraduate and graduate university study in the scientific field of Biomedicine and Health Sciences, or university specialist study in the scientific field of Biomedicine and Health Sciences with a grade point average of at least 3.51.

Candidates who have completed their studies abroad must undergo the academic recognition process for foreign higher education qualifications. Upon enrolment, students with foreign citizenship must have a residence permit in the Republic of Croatia and regulated health insurance within the Republic of Croatia.

### **5. PhD Study in Neuroscience**

The PhD Study in Neuroscience accepts a minimum of 3 and a maximum of 12 students. Eligible applicants are those who have obtained a diploma from a graduate university study in fields relevant to neuroscience: biomedical field (medicine, dentistry, veterinary medicine, pharmacy) or related fields (biology, biochemistry, biophysics, psychology, rehabilitation, speech therapy, kinesiology), and who have a grade point average of at least 3.51 in their graduate studies. Additionally, applicants commit to working on scientific research projects in a collaborative role as an assistant and who have an arrangement with a mentor/supervisor with a research project in one of the available qualified laboratories before enrolment. Furthermore, applicants are required to submit two recommendations from university professors.

Candidates who have completed their studies abroad must undergo the academic recognition process for foreign higher education qualifications. Students with foreign citizenship must have

a residence permit in the Republic of Croatia and regulated health insurance within the Republic of Croatia upon enrolment

## **6. PhD Programme in English Language**

The PhD Study in Biomedicine and Health Sciences in English Language admits a minimum of 3 and a maximum of 10 students. Eligible candidates are foreign citizens in the Republic of Croatia who have graduated from a medical school or another faculty specializing in the scientific field of biomedicine and health sciences or a related field. They should have an average grade in the undergraduate study of at least 3.51 (on a scale of 1-5) or at least 8.00 (on a scale of 5-10 or A-F). Candidates must undergo academic recognition of foreign higher education qualifications, i.e., recognition of the duration of studies at the University of Zagreb

## **7. University Specialist Studies**

Admission to postgraduate specialist studies is as follows:

Abdominal Surgery - for medical doctors undergoing specialized training in abdominal surgery.

Anaesthesiology, Resuscitation, and Intensive Medicine - for medical doctors undergoing specialized training in anaesthesiology, resuscitation, and intensive medicine (up to 40 students).

Paediatric Surgery - for medical doctors undergoing specialized training in paediatric surgery, preferably after their first year of specialisation.

Endocrinology and Diabetology - for medical doctors with completed two years of specialisation in endocrinology and diabetology, and specialists in internal medicine undergoing subspecialisation in endocrinology and diabetology.

Foetal Medicine and Obstetrics - for medical doctors undergoing specialized training in gynaecology and obstetrics, paediatrics, pathology, or anaesthesiology, and for those undergoing subspecialisation in foetal medicine and obstetrics and neonatology (8 students at a minimum).

Physical Medicine and Rehabilitation - for medical doctors undergoing specialized training in physical medicine and rehabilitation, after the second year of specialisation.

Gastroenterology - for medical doctors who have completed two years of specialized training in gastroenterology.

Gynaecology and Obstetrics - for medical doctors undergoing specialized training in gynaecology and obstetrics, after the first year of specialisation.

Haematology - for medical doctors undergoing specialized training in haematology.

Emergency Medicine - for medical doctors undergoing specialized training in emergency medicine.

Public Health - for candidates with a completed graduate university degree in biomedical and natural sciences (medicine, dentistry, veterinary medicine, pharmacy, nursing, biology, or other natural sciences), social sciences (economics, law, social work, psychology, political science, or other social sciences), or technical sciences (architecture, construction, etc.). Prerequisite for admission is passive knowledge of English and computer skills.

Public Health Medicine - for medical doctors undergoing specialized training in public health medicine.

Cardiology - for medical doctors undergoing specialized training in cardiology.

Clinical Pharmacology with Toxicology - for medical doctors undergoing specialized training in clinical pharmacology with toxicology. It is desirable that applicants have completed at least one year of the specialist programme.

Clinical Microbiology - for medical doctors undergoing the second or higher year of specialized training in clinical microbiology.

Clinical Radiology - for medical doctors undergoing specialized training in clinical radiology, after the first year of specialisation.

Maxillofacial Surgery - for medical doctors undergoing specialized training in maxillofacial surgery, after their first year of specialisation or earlier with the approval of the study director.

Occupational and Sports Medicine - for medical doctors undergoing specialized training in occupational and sports medicine.

Neurology - for medical doctors undergoing specialized training in neurology, after the first year of specialisation.

Family Medicine - for medical doctors undergoing specialized training in family medicine.

Ophthalmology and Optometry - for medical doctors undergoing specialized training in ophthalmology and optometry.

Oncology and Radiotherapy - for medical doctors undergoing specialized training in oncology and radiotherapy, after the second year of specialisation, and for medical doctors undergoing training in narrow specialisations: surgical oncology, gynaecological oncology, paediatric haematology and oncology, dermatological oncology, urological oncology.

General Surgery - for medical doctors undergoing specialized training in general surgery.

Orthopaedics and Traumatology - for medical doctors undergoing specialized training in orthopaedics and traumatology.

Otorhinolaryngology - for medical doctors undergoing specialized training in otorhinolaryngology.

Pathology and Cytology - for medical doctors in the third or higher year of specialized training in pathology and cytology.

Paediatrics - for medical doctors who have completed two years of specialisation in paediatrics. Candidates from other fields undergoing subspecialisation must pass a specialist exam in their basic specialisation.

Plastic, Reconstructive and Aesthetic Surgery - for medical doctors undergoing specialized training in plastic, reconstructive and aesthetic surgery. Applicants who are not Croatian citizens must have a certificate for an adequate level of the knowledge of the Croatian language.

Psychotherapy - for specialist psychiatrists, psychiatry trainees, and physicians of other profiles.

Pulmonology - for medical doctors undergoing specialized training in pulmonology, with completed common internal medicine module.

Rheumatology - for medical doctors undergoing specialized training in rheumatology.

School and Adolescent Medicine - for medical doctors, trainees in school and adolescent medicine, as well as specialist paediatricians and family medicine specialists (as part of their subspecialisation).

Transfusion Medicine - for medical doctors undergoing their third or higher year of specialized training in transfusion medicine.

Urology - for medical doctors undergoing specialized training in urology. It is desirable that applicants have completed at least one year of the specialist programme.

## 2.7. Procedure for enrolling foreign students in the study programme

Foreign students who are permanently residing in the Republic of Croatia enrol under the same conditions as Croatian citizens. Foreign students who are not permanently residing in the Republic of Croatia have the right to enrol in a study programme according to the conditions set by competent authorities, based on international agreements and treaties.

For the Integrated Undergraduate and Graduate University Study in Medicine in the Croatian language, students can transfer exclusively from other medical studies at universities in EU member states and the European Educational Project, or with which the School of Medicine - University of Zagreb has a collaboration agreement. A student requesting a transfer must have Croatian citizenship or citizenship of an EU member state.

For the Integrated Undergraduate and Graduate University Study in Medicine in the English language, students can transfer, regardless of citizenship, from other medical studies at universities and other related biomedical faculties, subject to the conditions prescribed by the Academic Regulations of Graduate Programmes. The transfer of students from medical schools outside the Republic of Croatia is carried out in accordance with the law regulating the recognition of foreign educational qualifications.

## 2.8. The legal framework

The legal framework of the School's activities is based on the relevant national legislative framework and a series of general and specific acts governing the organisation, management, teaching, scientific activity, student rights and obligations, and other key processes of the School. The fundamental general act of the School is the Statute of the University of Zagreb School of Medicine which regulates the scope and organization of the School, the management structure, bodies and their competences, as well as the ground rules of academic and administrative operations.

In addition to the Statute, the School's normative framework consists of numerous regulations and other acts which can be grouped into the following categories:

### 1) General institutional acts

- Statute of the University of Zagreb School of Medicine

- Rules of Procedure of the Faculty Council
- Regulations of Operation of the School of Medicine
- Regulations on Internal Organization and Job Position Systematization
- Regulations on Institutional Projects of the University of Zagreb School of Medicine
- Regulations on Professional and Personal Secret
- Regulations on External Associates

## **2) Acts related to study programmes and student affairs**

- Academic Regulations on Undergraduate and Graduate Studies
- Regulations on PhD Programmes
- Regulations on University Specialist Studies
- Regulations on Continuing Medical Education
- Regulations on Student Protection
- Student Code of Conduct
- Statute of the School of Medicine Student Council
- Regulations on Student Societies
- Regulations on Criteria and Procedure of Funding Postgraduate Students
- Regulations on Co-financing of Student Projects

## **3) Acts related to quality, supervision and reporting**

- Regulations on Quality Assurance of the University of Zagreb School of Medicine
- Manual for Quality Assurance of the University of Zagreb School of Medicine
- Regulations on the Procedure for Internal Reporting of Irregularities and the Appointment of a Confidential Person

## **4) Acts related to disciplinary and ethical aspects**

- Regulations on Disciplinary Procedures Related to Misconduct of Faculty and Students
- Ethical Committee Regulations of the University of Zagreb School of Medicine

## **5) Acts related to financial operations and resources**

- Regulations on the Implementation and Use of Assigned Revenue
- Regulation on the Criteria and Implementation and Use of Unassigned Donations and of Own Income
- Regulations on the simple procurement procedures

## **6) Acts related to the organization of the School branches**

- Regulation of the Croatian Institute for Brain Research
- Regulations of the Andrija Štampar School of Public Health
- Regulations of the Biomedical Research Centre Šalata

The listed documents are available on the official website of the School. Certain acts are periodically revised and supplemented in accordance with the legislative framework development, strategic commitments and needs of the academic community.

## 2.9. The grading system

The grading system is regulated by Article 81 of the Statute of the University of Zagreb and Article 78 of the Statute of the University of Zagreb School of Medicine.

## 2.10. International relations

International relations is one of the key factors that ensure and enhance the quality of higher education institutions, a fact recognized in Croatia as well. Various strategic documents issued by the European Commission (EU Strategy 2020), national ministries, and universities aim to strengthen international cooperation, promoting the internationalization of their activities and study programmes. In pursuit of enhanced international relations, the International Relations Office of the School of Medicine - Zagreb was established in 1985, making it one of the first faculty offices for international relations at the University of Zagreb.

The International Relations Office carries out activities aimed at achieving the goals related to international collaboration, including:

- Organisation and support of students during their outgoing and incoming mobility
- Organisation and support of (non-)teaching staff during their outgoing and incoming mobility
- Logistical support and organisation of international students, teachers, and delegation visits
- Keeping records of outgoing and incoming mobility
- Promoting the international recognition and status of the School of Medicine
- Active work on expanding the network of partner universities and institutions
- Support in the signing of international agreements
- Support for the memberships in international associations, networks, etc.
- International verifications of educational documents of the School of Medicine graduates (cooperation with ECFMG, DataFlow, HireRight and other international agencies)

The University of Zagreb School of Medicine has so far concluded a total of thirty-one bilateral agreements or memorandums of understanding with international institutions. Additionally, it has twelve Erasmus+ interinstitutional agreements and is a member of international associations such as ASPHER (Association of Schools of Public Health in the European Region), ECTS Medical Association, UNIC (European University of Post-Industrial Cities), and ORPHEUS (Organisation for PhD Education in Biomedicine and Health Sciences in the European System).

### 2.11. Student mobility, scholarships, and summer schools

Student mobility involves a shorter or longer study stay at a foreign university. Shorter study stays include traineeships, summer schools, conferences, and seminars. Longer study stays involve at least one semester of study abroad. A student can participate in mobility programmes multiple times during their studies, with the total duration determined by the study programme, not exceeding half of the programme's duration. Through studying, learning, and writing papers or theses abroad, students have the opportunity to gain knowledge, experience new cultures and customs, encounter new technologies, and acquire valuable skills. In addition to contributing to personal and academic development, mobility also enhances the education system and builds a knowledge-based society.

Student mobility at the University of Zagreb School of Medicine is facilitated through the following programmes:

- Bilateral agreements and memorandums of understanding,
- ERASMUS+ interinstitutional agreements of the School of Medicine, University of Zagreb.

Based on signed bilateral programmes, scholarships are awarded to students, professors, scientists, and researchers for the following categories:

- Integrated undergraduate and graduate university studies and graduate university studies,
- Postgraduate university studies,
- Postdoctoral training,
- Specialisations,
- Study visits,
- Work visits, and
- Summer language courses.

Current scholarship calls for student applications are published on the School website and for additional information, students can contact the International Relations Office.

### 3. GENERAL INFORMATION ABOUT STUDIES

Two integrated undergraduate and graduate university studies in Medicine (in Croatian and English), one graduate university study in Nursing, 52 university specialist studies, and 3 PhD studies (one of which is conducted in English) are offered at the School. The list of study programmes is provided in the table below:

University Integrated Undergraduate and Graduate Studies, 360 ECTS, Croatian Qualifications Framework Level: 7.1. sv.		Year of accreditation
Medicine in Croatian language	dr. med.	2005./06.
Medicine in English language	dr. med.	2005./06.
University Graduate Study, 120 ECTS, Croatian Qualifications Framework Level: 7.1. sv.		
Nursing	univ.mag.med.techn.	2011./12.
University Specialist Study, 60 ECTS, Croatian Qualifications Framework Level: 7.2. sv.		
Public Health	univ. spec. sanit. publ.	2013./14.
Clinical Radiology	univ. spec. med.	2013./14.
Family Medicine	univ. spec. med.	2013./14.
Paediatrics	univ. spec. med.	2013./14.
Psychotherapy	univ. spec. med.	2013./14.
*Ultrasound in Gynaecology and Obstetrics	univ. spec. med.	2013./14.
Infectious Diseases	120 ECTS univ. spec. med.	2014./15.
Ophthalmology and Optometry	univ. spec. med.	2014./15.
Otorhinolaryngology and Head and Neck Surgery	univ. spec. med.	2014./15.
Psychiatry	univ. spec. med.	2014./15.
*Urology	univ. spec. med.	2014./15.
Dermatology and Venereology	univ. spec. med.	2015./16.
Child and Adolescent Psychiatry	univ. spec. med.	2015./16.
*Endocrinology and Diabetology	univ. spec. med.	2015./16.
*Epidemiology	univ. spec. med.	2015./16.
*Physical Medicine and Rehabilitation	univ. spec. med.	2015./16.
*Emergency Medicine	univ. spec. med.	2015./16.
General Internal Medicine	univ. spec. med.	2015./16.
*Orthopaedics and Traumatology	univ. spec. med.	2015./16.
*School and Adolescent Medicine	univ. spec. med.	2015./16.
*Allergology and Clinical Immunology	univ. spec. med.	2016./17.
Anaesthesiology, Resuscitation, and Intensive Care Medicine	univ. spec. med.	2016./17.
*Gastroenterology	univ. spec. med.	2016./17.
*Gynaecology and Obstetrics	univ. spec. med.	2016./17.
*Haematology	univ. spec. med.	2016./17.
Internal Oncology	univ. spec. med.	2016./17.
Public Health Medicine	univ. spec. med.	2016./17.
*Maxillofacial Surgery	univ. spec. med.	2016./17.
*Healthcare Management	univ. spec. admin. sanit.	2016./17.
Nephrology	univ. spec. med.	2016./17.
Neurology	univ. spec. med.	2016./17.
*Pathology and Cytology	univ. spec. med.	2016./17.
*Abdominal Surgery	univ. spec. med.	2017./18.
Cardiology	univ. spec. med.	2017./18.
*Clinical Microbiology	univ. spec. med.	2017./18.
*Laboratory Immunology	univ. spec. med.	2017./18.
Neurosurgery	univ. spec. med.	2017./18.
*Nuclear Medicine	univ. spec. med.	2017./18.
Oncology and Radiotherapy	univ. spec. med.	2017./18.
*General Surgery	univ. spec. med.	2017./18.
*Plastic, Reconstructive, and Aesthetic Surgery	univ. spec. med.	2017./18.

*Pulmonology	univ. spec. med.	2017./18.
*Rheumatology	univ. spec. med.	2017./18.
Vascular Surgery	univ. spec. med.	2017./18.
Paediatric Surgery	univ. spec. med.	2018./19.
*Clinical Pharmacology with Toxicology	univ. spec. med.	2018./19.
*Forensic Medicine	univ. spec. med.	2018./19.
*Maternal-Foetal Medicine and Obstetrics	univ. spec. med.	2019./20.
*Cardiothoracic Surgery	univ. spec. med.	2019./20.
*Geriatrics	univ. spec. med.	2023./24.
<b>University Specialist – Joint Studies, 60 ECTS, Croatian Qualifications Framework Level: 7.2. sv.</b>		
*Transfusion Medicine	univ. spec. med.	2016./17.
*Occupational and Sports Medicine	univ. spec. med.	2019./20.
<b>Doctoral Studies, 180 ECTS, Croatian Qualifications Framework Level: 8.2. sv.</b>		
Biomedicine and Health (in Croatian and English)	dr. sc. biomed.	2005./06.
Neuroscience	dr. sc. biomed.	2005./06.

### 3.1. Integrated Undergraduate and Graduate University Study of Medicine in the Croatian language

At the University of Zagreb School of Medici students are educated for the profession of general practitioners, or physicians qualified for primary health care. Upon completing the studies, the student earns the title of Doctor of Medicine. The medical programme lasts for 6 years, or 12 semesters, and can only be pursued as a full-time study.

Education for the professional title of Doctor of Medicine includes mandatory general education subjects (pre-medicine) and four basic groups of mandatory professional courses, known as basic medicine, pre-clinical, clinical, and public health courses. Teaching is conducted to a lesser extent through lectures, and predominantly through exercises, seminars, demonstrations, consultations, clinical visits, work in clinical departments and health centres, on-call duties, and field practice, i.e., practical training.

Practical training at the School includes exercises, clinical observations, educational visits, clinical and clinical-pathological conferences, professional practice, fieldwork, and other forms of education that enable the acquisition of prescribed knowledge and skills.

Students have the right and duty to participate in all forms of education as prescribed by the Academic Regulations of Graduate Programmes. The number of students in a group for individual forms of education is determined by the Academic Regulations of Graduate Programmes.

The total obligations of full-time students at the School can range from a minimum average of 20 hours to a maximum of 30 hours of teaching per week. Practical clinical teaching is organized and conducted outside the specified hourly rate.

Teaching and extracurricular activities for students in Physical and Health Education are organized and conducted outside the previously mentioned hourly rate and are mandatory in the first and second years of study, while being optional (elective) in other years of study.

Conditions for student enrolment, curriculum and plans, organisation of teaching, knowledge assessment, evaluation of the success of teaching, and the quality assessment of the teaching programme, student status and study rules, student participation in the work of the School, as

well as other issues essential for the conduct of studies, are regulated by the relevant Academic Regulations of Graduate Programmes.

### List of courses

1 <sup>st</sup> year	
Socijalna medicina	mandatory course
Uvod u medicinu i povijest medicine	mandatory course
Medicinska biologija	mandatory course
Stručna praksa	mandatory course
Tjelesna i zdravstvena kultura	mandatory course
Medicinska kemija i biokemija I	mandatory course
Prva pomoć	mandatory course
Anatomija	mandatory course
Medicinski engleski I	mandatory course
Temelji liječničkog umijeća I	mandatory course
Fizika i biofizika	mandatory course
Anorganske tvari u biološkim procesima	elective course
Bioproгноza i zdravlje	elective course
Čovjek i okoliš	elective course
Društvene mreže u medicini	elective course
Elementi naracije o medicini i u medicini	elective course
Epidemiologija, simptomatologija i prva pomoć kod otrovanja otrovnim morskim životinjama i životinjama otrovnicama	elective course
Gospodin Horvat ide doktoru	elective course
Kako primijeniti Hipokratovu zakletvu?	elective course
Liječnici i njihovi suradnici	elective course
Metode zdravstveno-odgojnog rada u praksi doktora medicine	elective course
Molekularna biologija u medicini	elective course
Palijativna skrb i rehabilitacija onkološkog bolesnika	elective course
Specifične značajke rada primarnog liječnika	elective course
Zaštita zdravlja mladih	elective course
Živčani signal u odabranim bolestima prijenosa signala	elective course
2 <sup>nd</sup> year	
Medicinska sociologija	mandatory course
Medicinska kemija i biokemija II	mandatory course
Temelji neuroznanosti	mandatory course
Imunologija	mandatory course
Medicinski engleski II	mandatory course
Tjelesna i zdravstvena kultura	mandatory course
Stručna praksa II	mandatory course
Histologija i embriologija	mandatory course
Temelji liječničkog umijeća II	mandatory course
Fiziologija	mandatory course
Aditivi u hrani – lijepo i ukusno a zdravo? (prof.dr.sc. Ksenija Vitale)	elective course
Etiologija, prevencija i rano otkrivanje tumora (prof.dr.sc. Nikola Đaković)	elective course
Kako očuvati kvalitetu života i radnu sposobnost liječnika (doc.dr.sc. Milan Milošević )	elective course

Mehanizmi boli	elective course
Pravo na život	elective course
Razvitak i plastičnost mozga	elective course
Stres i mozak	elective course
Tjeskoba i kako je se osloboditi	elective course
Vrijeme je život – reanimacijski postupci u praksi	elective course
Elementi naracije o medicini i u medicini (prof. dr. sc. Ana Borovečki, prof. dr. sc. Rudolf Gregurek)	elective course
Funkcionalni aspekti pušenja (prof.dr.sc. Ljiljanu Šerman , doc.dr.sc. Tamara Nikuševa Martić	elective course
Kost – molekularna biologija uz bolesničku postelju	elective course
Planiranje obitelji	elective course
Prije nego što smo se rodili	elective course
Reologija arterijskog krvotoka	elective course
Tjelesne tekućine i edemi	elective course
Učenje i pamćenje	elective course
Životne navike i okoliš – determinante zdravlja ili bolesti	elective course
<b>3<sup>rd</sup> year</b>	
Patologija	mandatory course
Medicinski engleski III	mandatory course
Klinička propedeutika	mandatory course
Patofiziologija	mandatory course
Medicinska mikrobiologija i parazitologija	mandatory course
Psihološka medicina I i II	mandatory course
Stručna praksa III	mandatory course
Temelji liječničkog umijeća III	mandatory course
Farmakologija	mandatory course
Dispepsija	elective course
Eksperimentalna farmakologija i patologija	elective course
Evolucijski i razvojni korijeni ljudskosti	elective course
Genom eukariota	elective course
Globalno zdravlje	elective course
Idemo na jetru	elective course
Imunohistokemija i imunocitokemija u dijagnostici tumora	elective course
Interakcije lijekova i hrane	elective course
Mikrobiologija sepse	elective course
Moderni pristup liječenju šećerne bolesti tipa 2	elective course
Multidisciplinarni pristup u morfološkoj dijagnostici tumora gastrointestinalnog i hematopoetskog sustava	elective course
Medicinsko pravo	elective course
Najčešći štetni učinci lijekova u internoj medicini	elective course
Poremećaji autonomnog živčanog sustava	elective course
Psihoonkologija	elective course
Reakcije preosjetljivosti na lijekove	elective course
Simptomski orijentirani pristup neurološkom bolesniku	elective course
Spolno prenosive bolesti i infekcije	elective course
Suvremena dijagnostika i epidemiologija dječjih bolesti uzrokovanih virusima	elective course
Uzročnici zoonoze	elective course

Važno je naći valjan dokaz	elective course
Živčana stanica – od zdravlja do bolesti	elective course
<b>4<sup>th</sup> year</b>	
Nuklearna medicina	mandatory course
Interna medicina	mandatory course
Klinička biokemija	mandatory course
Neurokirurgija	mandatory course
Medicinski engleski IV	mandatory course
Temelji liječničkog umijeća IV	mandatory course
Neurologija	mandatory course
Radiologija	mandatory course
Klinička mikrobiologija i parazitologija	mandatory course
Klinička onkologija	mandatory course
Stručna praksa IV	mandatory course
Psihijatrija	mandatory course
Infektologija	mandatory course
Dermatovenerologija	mandatory course
Medicinska fizika	mandatory course
Akutna bol u trbuhu	elective course
Anksiozni poremećaji	elective course
Bolesti štitnjače-dijagnostika i liječenje	elective course
Dijagnostika i liječenje funkcijskih bolesti probavnog sustava	elective course
Dijete u krizi – dijagnostičke metode u dječjoj i adolescentnoj psihijatriji	elective course
Doktore, bole me zglobovi	elective course
Doping i antidoping	elective course
Elektrostimulacija srca u kliničkoj praksi	elective course
Farmakodinamski učinci i laboratorijska karakterizacija antibiotika	elective course
Farmakoekonomika	elective course
Farmakogenomika i individualizacija terapije	elective course
Gastrointestinalne infekcije – trendovi u razvijenim zemljama	elective course
Gdje je granica između embriogeneze i kancerogeneze?	elective course
Geni i okoliš	elective course
Hemodinamika srčanih bolesti	elective course
„Hemofilija i nasljedni poremećaji krvarenja“	elective course
HPV infekcija-najnovije spoznaje	elective course
Interpersonalni odnosi	elective course
Izvanbolničko zbrinjavanje politraumatiziranih bolesnika	elective course
Kirurško liječenje genetskih malformacija	elective course
Komunikacija u medicini	elective course
Križbolja-najčešći problem lokomotornog sustava u primarnoj završnoj zaštiti	elective course
Krv kao lijek	elective course
Laboratorijska dijagnostika infekcija u trudnoći	elective course
Mikrobiologija sepsa i infekcija krvotoka-praktični pristup za buduće liječnike	elective course
Mehanizam nastanka nuspojeve lijekova	elective course
Multirezistentne bakterije – uzročnici hospitalnih infekcija	elective course
Nuklearna medicina u dijagnostici i terapiji zloćudnih bolesti	elective course

Ovisnosti	elective course
Parazitarne infekcije u eri globalizacije	elective course
Perem ruke od bolničkih infekcija	elective course
Primjena matičnih stanica u istraživanju i liječenju bolesti živčanog sustava	elective course
Psihijatrija starije životne dobi	elective course
Psihoterapija	elective course
Rehabilitacijske intervencije utemeljene na dokazima	elective course
Senzorne tehnologije u psihijatriji i neurologiji	elective course
Transplantacija jetre	elective course
Transplantacijska reakcija	elective course
Tuberkuloza i netuberkulozne mikobakterije – stari i novi dijagnostički problem	elective course
Venska tromboza i trombofilija	elective course
Zaštita zdravlja obitelji	elective course
Žarišne bolesti jetre	elective course
<b>5<sup>th</sup> year</b>	
Kirurgija dječje dobi	mandatory course
Urologija	mandatory course
Pedijatrija	mandatory course
Kirurgija	mandatory course
Fizikalna i rehabilitacijska medicina	mandatory course
Anesteziologija i reanimatologija	mandatory course
Medicinski engleski V	mandatory course
Temelji liječničkog umijeća V	mandatory course
Ginekologija i opstetricija	mandatory course
Ortopedija	mandatory course
Medicinska statistika	mandatory course
Stručna praksa V	mandatory course
Uvod u znanstveni rad	mandatory course
Otorinolaringologija i kirurgija glave i vrata	mandatory course
Medicinska informatika	mandatory course
Maksilofacijalna kirurgija sa stomatologijom	mandatory course
Bolesti srca i trudnoća	elective course
Covid-19	elective course
Dijagnostika i liječenje bolesti perifernog živčanog sustava	elective course
Farmakovigilancija- sigurna primjena lijekova	elective course
Hitna stanja u ORL	elective course
Infekcija probavnog sustava u djece	elective course
Kako izraditi diplomski rad	elective course
Kako živjeti s epilepsijom	elective course
Kirurško liječenje akutne ishemije	elective course
Kirurško liječenje tumora glave i vrata	elective course
Klinička optometrija	elective course
Komunikacija u medicini	elective course
Kronična bubrežna bolest i nadomještanje bubrežne funkcije dijalizom	elective course
Laparoskopska kirurgija	elective course
Liaison psihijatrija ( psihički problemi tjelesnih bolesnika)	elective course

Liječenje najčešćih mentalnih poremećaja u obiteljskoj medicini	elective course
Medicina ljudske seksualnosti	elective course
Multidisciplinarno liječenje u kliničkoj onkologiji	elective course
Nasljedne metaboličke bolesti	elective course
Onkološka kirurgija glave i vrata – multidisciplinarni pristup	elective course
Osnove medicinske seksologije i psihologije ljubavi	elective course
Osnove ultrazvučne dijagnostike	elective course
Pismeno izražavanje u medicini	elective course
Predrasude o multiploj sklerozi	elective course
Pretilost i liječenje	elective course
Profesionalizam u psihijatriji	elective course
Promjene kože lica	elective course
Psihotraumatologija	elective course
Regionalna anestezija u liječenju boli	elective course
Rezistentna hipertenzija, dijabetes i kronična bubrežna bolest	elective course
Sfingolopidi u zdravlju i bolesti	elective course
Sportska kardiologija	elective course
Što trebamo znati o transfuziji: klinička učinkovitost vs. Rizici	elective course
Transplantacija bubrega	elective course
Trudnoća i oko	elective course
Ultrazvuk kao stetoskop	elective course
Vrti mi se	elective course
Zašto imam tremor	elective course
Zašto zaboravljam	elective course
Živjeti dobro s demencijom: što trebamo učiti studente medicine o demenciji?	elective course
Psihoterapija	elective course
<b>6<sup>th</sup> year</b>	
Medicinska etika	mandatory course
Epidemiologija	mandatory course
Oftalmologija	mandatory course
Sudska medicina	mandatory course
Palijativna medicina	mandatory course
Temelji liječničkog umijeća VI	mandatory course
Obiteljska medicina	mandatory course
Zdravstvena ekologija	mandatory course
Medicina rada i sporta	mandatory course
Medicinska genetika	mandatory course
Dežurstvo u hitnom prijemu	mandatory course
Diplomski rad	mandatory course
Završni ispit	mandatory course
Diplomski ispit	mandatory course
Organizacija zdravstvene zaštite i zdravstvena ekonomika	mandatory course
Kliničko prosuđivanje	mandatory course
Racionalna primjena lijekova	mandatory course
Zdravlje u zajednici	mandatory course
Školska medicina	mandatory course
Medicinski engleski VI	mandatory course

### 3.2. Integrated Undergraduate and Graduate University Study of Medicine in English Language

Based on positive experiences and the tradition of training foreign doctors in Croatia in postgraduate clinical and public health studies, an initiative was launched in early 2002 to establish a medical study offering courses in English. With the assistance of international partners, a study plan proposal was developed and adopted by the Senate of the University of Zagreb in 2002. This marked the first approved curriculum for a comprehensive English-language programme at the University of Zagreb and the first English-language medical studies in Croatia. The University of Zagreb School of Medicine received approval for the programme in 2005 as a full-fledged study programme for personal use. The overall student class workload is aligned with EU requirements, and the programme awards 360 ECTS points.

In the initial years of introducing the English-language programme, most of the enrolled students were from Canada and the United States, mainly representing the Croatian diaspora. There were also students from France, Sweden, and Germany, as well as students with dual citizenship and Croatian citizens (approximately 10%). Today, there is growing interest in this programme, with an annual enrolment of 50 students. The entrance exam is held online.

The study regulations are the same as those for the Croatian-language medical studies. Although there are similarities, the Integrated Undergraduate and Graduate University Study in Medicine in English is not a replica of the national programme translated into English. Instead, it has been modernized with specific content, methodological approaches, and educational strategies characteristic of reformed medical schools in Europe and worldwide. The teaching methods include contemporary and innovative approaches such as student-oriented teaching, problem-based learning (PBL), and small-group teaching.

During the final year of study, there is also horizontal and vertical integration of knowledge, skills, and attitudes through the Clinical Rotations course. During this course, students have the opportunity to spend time in healthcare institutions/hospitals in Croatia or abroad, gaining exposure to different healthcare systems and adapting to potential future work environments. Since 2009, the hourly load for the Croatian Language course has been increased, enhancing the clinical part of the study that involves communication with patients and integrating English-language students into Croatian society.

The Integrated Undergraduate and Graduate Study of Medicine lasts for six years, or twelve semesters, and can only be attended as full-time studies. Upon completion, students earn 360 ECTS points and the academic title of Doctor of Medicine (Cro. dr. med./Eng. MD). This title is written after the name and surname as *dr.med.* or *MD*.

#### **List of courses**

1 <sup>st</sup> year	
<u>Introduction to Medical Terminology</u>	<u>mandatory course</u>
<u>Medical and Molecular Biology</u>	<u>mandatory course</u>
<u>History of Medicine</u>	<u>mandatory course</u>
<u>First Aid</u>	<u>mandatory course</u>

<u>Social Medicine and Introduction to Medicine</u>	<u>mandatory course</u>
<u>Physics and Biophysics</u>	<u>mandatory course</u>
<u>Anatomy and Clinical Anatomy</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills 1</u>	<u>mandatory course</u>
<u>Basics of Medical Informatics</u>	<u>mandatory course</u>
<u>Physical Education</u>	<u>mandatory course</u>
<u>Medical Chemistry and Biochemistry</u>	<u>mandatory course</u>
<u>Croatian Language 1</u>	<u>mandatory course</u>
<b>2<sup>nd</sup> year</b>	
<u>Medical Chemistry and Biochemistry</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills</u>	<u>mandatory course</u>
<u>Histology and Embryology</u>	<u>mandatory course</u>
<u>Physiology</u>	<u>mandatory course</u>
<u>Psychological Medicine</u>	<u>mandatory course</u>
<u>Medical Sociology</u>	<u>mandatory course</u>
<u>Fundamentals of Neuroscience</u>	<u>mandatory course</u>
<u>Physical Education</u>	<u>mandatory course</u>
<u>Croatian Language 2</u>	<u>mandatory course</u>
<u>Immunology</u>	<u>mandatory course</u>
<u>Measurement and Analysis of Human Locomotion</u>	elective course
<u>Anxiety and how to break free form it</u>	elective course
<u>Stress and the brain</u>	elective course
<u>Introduction to Artificial Intelligence in Medicine</u>	elective course
<u>Anatomical Aspects of Fetal and Postnatal Development of the Skull</u>	elective course
<b>3<sup>rd</sup> year</b>	
<u>Pathology</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills</u>	<u>mandatory course</u>
<u>History Taking and Physical Examination</u>	<u>mandatory course</u>
<u>Pharmacology</u>	<u>mandatory course</u>
<u>Pathophysiology</u>	<u>mandatory course</u>
<u>Pharmacoeconomics</u>	<u>mandatory course</u>
<u>Medical Microbiology</u>	<u>mandatory course</u>
<u>Medical Ethics</u>	<u>mandatory course</u>
<u>Croatian Language 3</u>	<u>mandatory course</u>
<u>Managment in Hospital Setting</u>	elective course
<u>Palliative Care</u>	elective course
<u>Experimental Pharmacology and Pathology</u>	elective course
<u>The most common adverse side effects of drugs in internal medicine</u>	elective course
<u>Liver in a nutshell</u>	elective course
<b>4<sup>th</sup> year</b>	
<u>Psychiatry</u>	<u>mandatory course</u>
<u>Statistical Analysis of Medical Dana</u>	<u>mandatory course</u>
<u>Neurology</u>	<u>mandatory course</u>
<u>Clinical Oncology</u>	<u>mandatory course</u>
<u>Clinical Biochemistry</u>	<u>mandatory course</u>

<u>Principles of Evidence Based Medicine</u>	<u>mandatory course</u>
<u>Medical Physics</u>	<u>mandatory course</u>
<u>Clinical Nutrition</u>	<u>elective course</u>
<u>Allergy and Asthma</u>	<u>elective course</u>
<u>Mechanism of adverse drug reaction</u>	<u>elective course</u>
<u>Modern Insight in Microbiological Diagnostic of Parasitic Infections</u>	<u>elective course</u>
<u>Emerging and neglected zoonoses of medical importance</u>	<u>elective course</u>
<u>Multidrug-resistant bacteria – our worst nightmare</u>	<u>elective course</u>
<u>Neuroimmunology</u>	<u>elective course</u>
<u>Nuclear Medicine</u>	<u>mandatory course</u>
<u>Diagnostic and Interventional Radiology</u>	<u>mandatory course</u>
<u>Infectious Diseases and Tropical Medicine</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills 4</u>	<u>mandatory course</u>
<u>Internal Medicine</u>	<u>mandatory course</u>
<u>Dermatovenereology</u>	<u>mandatory course</u>
<u>Cardiac Imaging</u>	<u>elective course</u>
<u>From Pharmacogenomics to Personalized Medicine</u>	<u>elective course</u>
<u>Pharmacogenomics and Individualization of Therapy</u>	<u>elective course</u>
<b>5<sup>th</sup> year</b>	
<u>Urology</u>	<u>mandatory course</u>
<u>Orthopaedics</u>	<u>mandatory course</u>
<u>Pediatric Surgery</u>	<u>mandatory course</u>
<u>Neurosurgery</u>	<u>mandatory course</u>
<u>Ophthalmology</u>	<u>mandatory course</u>
<u>Surgery - Integrated Course</u>	<u>mandatory course</u>
<u>Pediatrics</u>	<u>mandatory course</u>
<u>Anesthesiology and Reanimatology</u>	<u>mandatory course</u>
<u>Maxillofacial Surgery with Basic Principles of Stomatology</u>	<u>mandatory course</u>
<u>Physical and Rehabilitation Medicine</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills 5</u>	<u>mandatory course</u>
<u>Medical Informatics</u>	<u>mandatory course</u>
<u>Gynecology &amp; Obstetrics</u>	<u>mandatory course</u>
<u>Epidemiology</u>	<u>mandatory course</u>
<u>Otorhinolaryngology - Head and Neck Surgery</u>	<u>mandatory course</u>
<b>6<sup>th</sup> year</b>	
<u>Community Health</u>	<u>mandatory course</u>
<u>Forensic Medicine</u>	<u>mandatory course</u>
<u>Organization and Management of the Health Care</u>	<u>mandatory course</u>
<u>Integrated Clinical Module: Part 1</u>	<u>mandatory course</u>
<u>End of Life Care</u>	<u>mandatory course</u>
<u>Fundamentals of Medical Skills 6</u>	<u>mandatory course</u>
<u>Geriatrics</u>	<u>mandatory course</u>
<u>Emergency Medicine</u>	<u>mandatory course</u>
<u>Basics of Pediatric Allergy</u>	<u>elective course</u>
<u>Nerve compression syndromes of the upper limb</u>	<u>elective course</u>

<u>First - year mandatory courses</u>	elective course
<u>Clinical Round</u>	elective course
<u>How to write an MD thesis</u>	elective course
<u>Ultrasound as a stethoscope</u>	elective course
<u>War Surgery</u>	elective course
<u>Implantable devices for hearing rehabilitation – synergy between technology and medicine</u>	elective course
<u>Diagnosing acute hearing and balance disorders quickly and confidently</u>	elective course
<u>School and University Medicine</u>	<u>mandatory course</u>
<u>Graduation Paper</u>	<u>mandatory course</u>
<u>Graduation Exam</u>	<u>mandatory course</u>
<u>Final Exam</u>	<u>mandatory course</u>
<u>Integrated Clinical Module: Part 2</u>	<u>mandatory course</u>
<u>Problems of Addiction</u>	<u>mandatory course</u>
<u>Family Medicine</u>	<u>mandatory course</u>
<u>Occupational and Sports Medicine</u>	<u>mandatory course</u>
<u>Environmental Health</u>	<u>mandatory course</u>
<u>Clinical Rotations</u>	<u>mandatory course</u>

### 3.3. Graduate University Study in Nursing

The eligibility for enrolment in the Graduate University Study in Nursing is open to candidates who have completed the corresponding undergraduate study in nursing or the relevant undergraduate study in midwifery and who achieve a place within the approved quota on the ranking list. The duration of the Graduate University Study in Nursing is two years, or four semesters. Upon completion of the Graduate University Study in Nursing, the academic title of University Master of Nursing is conferred.

#### List of Courses

1 <sup>st</sup> year	
1 <sup>st</sup> semester	2 <sup>nd</sup> semester
Znanost, filozofija i teorija sestrinstva	Teorija odgoja i obrazovanja
Istraživanja i istraživačke metode	Osiguranje kvalitete rada u sestrinstvu
Promocija zdravlja i primarna zdravstvena zaštita	
Gerijatrija i gerontologija u sestrinstvu i palijativna skrb	
Mentalna higijena i psihosomatska medicina	
Socijalna skrb i zdravlje	
Sestrinstvo u zaštiti zdravlja na radu i profesionalne bolesti	
Okoliš i zdravlje	
Sustav zdravstvene zaštite s poslovanjem u zdravstvenim ustanovama	
Objavljivanje članaka u indeksiranim časopisima	

2 <sup>nd</sup> year	
3 <sup>rd</sup> semester	4 <sup>th</sup> semester
Psihologija sestrinstva	Diplomski rad
Primjena istraživanja u sestrinstvu	
Informatika u sestrinstvu	
Metodologija istraživanja i vrednovanje zdravstvenih intervencija	
Rehabilitacija	
Ergonomija u medicini rada	
Bolničke infekcije	
Farmakoterapija	
Međunarodni seminari, tečajevi ili škole-sudjelovanje	

### 3.4. University Specialist Studies

#### 3.4.1. General information about studies

A university specialist study is conducted as part of professional development and is often integrated into the specialisation programme in a specific field. The university specialist study lasts for one year and concludes with the successful completion of all exams, passing the final exam, and the preparation and defence of the final specialist project.

The School offers organized postgraduate classes in 30 areas, covering all fields for which a sufficient number of participants apply each academic year. To accommodate the interest of international students, some programmes are conducted in English as needed.

#### 3.4.2. Admission requirements

An individual eligible for enrolment in a university specialist study is someone who has completed the corresponding graduate university study in the relevant field as determined by the study programme. In accordance with the provisions of the University and School Statutes, the study programme specifies the types of completed graduate university studies or undergraduate university studies, as well as the level of achievement in these studies that are suitable for enrolment in the corresponding university specialist studies. An additional requirement for enrolment in a specialist study may be completion of a certain period of specialisation.

In exceptional cases, individuals who have completed another graduate study may be allowed to enrol in a postgraduate specialist study that is not part of the specialist training programme for medical doctors, provided that they master the relevant differential content from the integrated undergraduate and graduate studies programme in Medicine or the graduate study programme in Nursing. Enrolment cannot be approved if the differential content exceeds 30 ECTS points.

Enrolment in a university specialist study is carried out through a public call for applications announced in the National Gazette and on the University of Zagreb and School of Medicine websites.

An applicant who holds a diploma from a foreign university is required, at their own expense, to obtain and submit, after applying for the call, a decision from the competent authority regarding the academic recognition of the foreign higher education qualification for the purpose of enrolment in the specific university specialist study.

## List of Courses

<b>COURSE TITLE</b>	<b>STUDY TITLE</b>
Opće kompetencije liječnika specijalista	Abdominal Surgery
Kirurgija želuca i tankog crijeva	Abdominal Surgery
Krvarenje iz probavnog trakta, mezenterijska ishemija i visceralne aneurizme	Abdominal Surgery
Kirurgija gušterače	Abdominal Surgery
Hernija	Abdominal Surgery
Bolesti bilijarnog sustava	Abdominal Surgery
Transfuzijsko liječenje u kirurgiji	Abdominal Surgery
Bolesti kolona, rektuma i anusa	Abdominal Surgery
Citoreduktivna kirurgija i HIPEC	Abdominal Surgery
Apendiks	Abdominal Surgery
Kirurgija jetre	Abdominal Surgery
Kirurgija slezene	Abdominal Surgery
Opće kompetencije liječnika specijalista	Anaesthesiology, Resuscitation, and Intensive Medicine
Farmakologija u anesteziologiji	Anaesthesiology, Resuscitation, and Intensive Medicine
Anesteziološki postupci	Anaesthesiology, Resuscitation, and Intensive Medicine
Specijalna anestezija	Anaesthesiology, Resuscitation, and Intensive Medicine
Poslijeoperacijski nadzor bolesnika	Anaesthesiology, Resuscitation, and Intensive Medicine
Pedijatrijska anestezija	Anaesthesiology, Resuscitation, and Intensive Medicine
Uvod u anesteziologiju, legalni i etički aspekti anestezije	Anaesthesiology, Resuscitation, and Intensive Medicine
Fiziologija vezana uz anesteziologiju i intenzivno liječenje	Anaesthesiology, Resuscitation, and Intensive Medicine
Prijevoz vitalno ugroženih bolesnika	Anaesthesiology, Resuscitation, and Intensive Medicine
Farmakoterapeutici	Anaesthesiology, Resuscitation, and Intensive Medicine
Kardiopulmonalna reanimacija	Anaesthesiology, Resuscitation, and Intensive Medicine
Trauma	Anaesthesiology, Resuscitation, and Intensive Medicine
Ostala stanja koja se zbrinjavaju u jedinici intenzivne medicine	Anaesthesiology, Resuscitation, and Intensive Medicine
Pedijatrijska intenzivna medicina	Anaesthesiology, Resuscitation, and Intensive Medicine
Dišni sustav i mehanička ventilacijska potpora	Anaesthesiology, Resuscitation, and Intensive Medicine

Organski sustavi	Anaesthesiology, Resuscitation, and Intensive Medicine
Sepsa i septički šok	Anaesthesiology, Resuscitation, and Intensive Medicine
Perioperacijska optimalizacija	Anaesthesiology, Resuscitation, and Intensive Medicine
Transfuzijska medicina	Anaesthesiology, Resuscitation, and Intensive Medicine
Liječenje akutne i kronične boli	Anaesthesiology, Resuscitation, and Intensive Medicine
Dječja anestezija i liječenje bola	Paediatric Surgery
Dječja traumatologija i ortopedija	Paediatric Surgery
Dječja urologija	Paediatric Surgery
Izabrana poglavlja iz pedijatrije	Paediatric Surgery
Kardiorakalna kirurgija dječje dobi	Paediatric Surgery
Kirurgija glave i vrata dječje dobi	Paediatric Surgery
Kirurške bolesti abdomena u djece	Paediatric Surgery
Kirurške bolesti novorođenačke dobi	Paediatric Surgery
Kirurško liječenje tumora dječje dobi	Paediatric Surgery
Neurokirurgija dječje dobi	Paediatric Surgery
Odabrana poglavlja iz specijalne kirurgije	Paediatric Surgery
Opće kompetencije liječnika specijalista	Paediatric Surgery
Plastično rekonstruktivna kirurgija dječje dobi i opekline	Paediatric Surgery
Radiologija dječje dobi	Paediatric Surgery
Temeljne i primijenjene znanosti u dječjoj kirurgiji	Paediatric Surgery
Transplantacija organa u djece	Paediatric Surgery
Opće kompetencije liječnika specijalista	Endocrinology and Diabetology
Bolesti nadbubrežne žlijezde i neuroendokrini tumori	Endocrinology and Diabetology
Hitna stanja u endokrinologiji	Endocrinology and Diabetology
Bolesti štitnjače	Endocrinology and Diabetology
Dječja endokrinologija i dijabetologija	Endocrinology and Diabetology
Bolesti selarne regije	Endocrinology and Diabetology
Metaboličke bolesti kostiju	Endocrinology and Diabetology
Andrologija i ginekološka endokrinologija	Endocrinology and Diabetology
Etiopatogeneza i dijagnostika šećerne bolesti	Endocrinology and Diabetology
Liječenje i komplikacije šećerne bolesti	Endocrinology and Diabetology
Bolesti metabolizma i klinički pristup bolesniku sa šećernom bolesti i upotreba novih tehnologija u dijagnostici i liječenju šećerne bolesti	Endocrinology and Diabetology
Oplodnja, implantacija i placentacija	Foetal Medicine and Obstetrics
Rizična i poremećena trudnoća	Foetal Medicine and Obstetrics
Antenatalna dijagnostika i nadzor stanja ploda	Foetal Medicine and Obstetrics

Fiziologija trudnoće	Foetal Medicine and Obstetrics
Bolesti novorođenčeta	Foetal Medicine and Obstetrics
Embriologija	Foetal Medicine and Obstetrics
Adaptacija novorođenčeta	Foetal Medicine and Obstetrics
Perinatalna patologija	Foetal Medicine and Obstetrics
Perinatalna epidemiologija	Foetal Medicine and Obstetrics
Trudnoća i fenomen autoimuniteta	Foetal Medicine and Obstetrics
Hitna stanja u porodništvu	Foetal Medicine and Obstetrics
Transfuzijsko liječenje u trudnoći i babinju	Foetal Medicine and Obstetrics
Rano oštećenje mozga	Foetal Medicine and Obstetrics
Intrakranijska patologija u trudnoći	Foetal Medicine and Obstetrics
Trombofilija i trudnoća	Foetal Medicine and Obstetrics
Infekcije u trudnoći	Foetal Medicine and Obstetrics
Lijekovi u trudnoći	Foetal Medicine and Obstetrics
Porodničke operacije	Foetal Medicine and Obstetrics
Postupak s novorođenčetom u prvim satima života	Foetal Medicine and Obstetrics
Smetnje ventilacije u ranom neonatalnom periodu i respiratorna potpora	Foetal Medicine and Obstetrics
Opće kompetencije liječnika specijalista	Physical Medicine and Rehabilitation
Funkcionalna anatomija lokomotornog sustava	Physical Medicine and Rehabilitation
Termoterapija	Physical Medicine and Rehabilitation
Kineziologija i kinezioterapija	Physical Medicine and Rehabilitation
Manualne tehnike u fizikalnoj medicini	Physical Medicine and Rehabilitation
Reumatološko-fizijatrijska propedeutika	Physical Medicine and Rehabilitation
Elektroterapija, hidroterapija, balneoterapija i talasoterapija	Physical Medicine and Rehabilitation
Rehabilitacija neuroloških bolesnika	Physical Medicine and Rehabilitation
Rehabilitacija traumatiziranih bolesnika, bolesnika s amputacijom udova, ortotika i protetika	Physical Medicine and Rehabilitation
Rehabilitacija nakon kirurških zahvata na lokomotornom sustavu	Physical Medicine and Rehabilitation
Rehabilitacija sportskih povreda	Physical Medicine and Rehabilitation
Rehabilitacija kardiovaskularnih bolesnika	Physical Medicine and Rehabilitation
Reumatske bolesti i rehabilitacija	Physical Medicine and Rehabilitation
Medicinsko vještačenje lokomotornog sustava	Physical Medicine and Rehabilitation
Dijagnostički ultrazvuk	Physical Medicine and Rehabilitation
Radiološka dijagnostika muskuloskeletnih bolesti	Physical Medicine and Rehabilitation
Opće kompetencije liječnika specijalista	Gastroenterology
Simptomi i znakovi bolesti probavnog sustava	Gastroenterology
Funkcijski i poremećaji motiliteta probavnog sustava	Gastroenterology
Bolesti želuca i dvanaesnika	Gastroenterology

Opća hepatologija	Gastroenterology
Toksične bolesti jetre, ciroza i komplikacije ciroze	Gastroenterology
Oro-ezofagealne bolesti	Gastroenterology
Bolesti bilijarnog sustava	Gastroenterology
Bolesti gušterače	Gastroenterology
Nasljedne, autoimune i metaboličke bolesti jetre	Gastroenterology
Upalne bolesti crijeva	Gastroenterology
Bolesti debelog crijeva i anorektalne regije	Gastroenterology
Klinička prehrana u gastroenterologiji	Gastroenterology
Endoskopija donjeg dijela probavnog sustava	Gastroenterology
Bolesti tankog crijeva i sindrom malapsorpcije	Gastroenterology
Ultrazvučne metode u gastroenterologiji	Gastroenterology
Endoskopija gornjeg dijela probavnog sustava	Gastroenterology
Prikaz bilio-pankreatičnog sustava - ERCP, EUS i ostale metode	Gastroenterology
Endoskopija - pristup kliničkim problemima	Gastroenterology
Tranzicijska gastroenterologija	Gastroenterology
Metode nuklearne medicine u gastroenterologiji	Gastroenterology
Gastrointestinalne manifestacije u posebnim kliničkim situacijama	Gastroenterology
Zatajenje jetre i transplantacija	Gastroenterology
Farmakoterapija bolesti probavnog sustava	Gastroenterology
Radiološke metode u gastroenterologiji	Gastroenterology
Uloga sluzničke imunosti u razvoju autoimunih bolesti	Gastroenterology
Opće kompetencije liječnika specijalista	Gynaecology and Obstetrics
Humana reprodukcija	Gynaecology and Obstetrics
Ginekološka endokrinologija	Gynaecology and Obstetrics
Ultrazvuk u ginekologiji i opstetriciji	Gynaecology and Obstetrics
Perinatologija	Gynaecology and Obstetrics
Klasična opstetricija	Gynaecology and Obstetrics
Ginekološka kirurgija	Gynaecology and Obstetrics
Uroginekologija	Gynaecology and Obstetrics
Urologija	Gynaecology and Obstetrics
Anesteziologija	Gynaecology and Obstetrics
Abdominalna kirurgija u ginekologiji i opstetriciji	Gynaecology and Obstetrics
Ginekološka patologija i citologija	Gynaecology and Obstetrics
Ginekološka onkologija	Gynaecology and Obstetrics
Menopauzalna medicina	Gynaecology and Obstetrics
Disfunkcijska krvarenja	Gynaecology and Obstetrics
Onkofertilitetni postupci	Gynaecology and Obstetrics
Komplikacije ginekoloških operacija	Gynaecology and Obstetrics
Hitna stanja u ginekologiji i opstetriciji	Gynaecology and Obstetrics

Opće kompetencije liječnika specijalista	Haematology
Hematopatologija i citologija	Haematology
Bolesti eritrocita	Haematology
Benigne bolesti granulocita i limfocita, te bolesti monocita i makrofaga	Haematology
Bolesti uzrokovane poremećajima hemostaze	Haematology
Struktura i funkcija krvotvornog sustava, simptomi, znakovi i klasifikacija bolesti	Haematology
Laboratorijske dijagnostičke metode u hematologiji	Haematology
Mijeloproliferativne bolesti	Haematology
Sindrom mijelodisplazije	Haematology
Neoplastične bolesti limfocitnog sustava	Haematology
Bolesti slezene, splenomegalija i hipersplenizam	Haematology
Transplantacija krvotvornih matičnih stanica	Haematology
Hitna stanja, potporna i palijativna terapija u hematologiji	Haematology
Akutne leukemije	Haematology
Neoplastični poremećaji stanica koje luče imunoglobuline	Haematology
Transfuzijska medicina u hematologiji	Haematology
Kronična bolest presatka protiv primatelja	Haematology
Hematološke bolesti u djece	Haematology
Dijagnostika i terapija infekcija kod hematoloških bolesnika	Haematology
Radiološke i nuklearno-medicinske metode u hematologiji	Haematology
Metodologija kliničkih istraživanja u hematologiji i kritička interpretacija njihovih rezultata	Haematology
Opće kompetencije liječnika specijalista	Emergency Medicine
Vodeći simptomi u hitnoj medicini	Emergency Medicine
Hitna stanja u internoj medicini	Emergency Medicine
Laboratorijska dijagnostika u hitnoj medicini	Emergency Medicine
Radiološka dijagnostika u hitnoj medicini	Emergency Medicine
Ultrazvuk u hitnoj medicini	Emergency Medicine
Hitne intervencije u medicini	Emergency Medicine
Klinička farmakologija u hitnoj medicini	Emergency Medicine
Hitna stanja u pedijatriji	Emergency Medicine
Hitna stanja u neurologiji	Emergency Medicine
Hitna stanja u psihijatriji	Emergency Medicine
Hitna stanja u ginekologiji i opstetriciji	Emergency Medicine
Hitna stanja u otorinolaringologiji	Emergency Medicine
Hitna medicina u vanbolničkim uvjetima	Emergency Medicine
Specifičnosti hitne medicine	Emergency Medicine

Hitna stanja u infektologiji	Emergency Medicine
Hitna stanja u oftalmologiji	Emergency Medicine
Hitna stanja u kirurgiji	Emergency Medicine
Arteficielna ventilacija	Emergency Medicine
Akutna otrovanja	Emergency Medicine
Patofiziologija šoka	Emergency Medicine
Uvod u zdravstvenu ekonomiku	Public Health
Statističke i epidemiološke metode u javnom zdravstvu	Public Health
Okoliš i zdravlje	Public Health
Zdravlje i sustav zaštite zdravlja	Public Health
Bioetika i ljudska prava	Public Health
Bioetika i ljudska prava	Public Health
Promicanje zdravlja, zdravstveni odgoj i zdravstvena komunikacija	Public Health
Zdravlje i društvo	Public Health
Međunarodno zdravstvo	Public Health
Planiranje i organizacija te rukovođenje kvalitetom u sustavu zdravstva	Public Health
Vještine zdravstvenog menadžmenta i intersektorske suradnje	Public Health
Zdravlje u zajednici - procjena zdravstvenog stanja i planiranje za zdravlje	Public Health
Javnozdravstvene intervencije	Public Health
Zdravlje, socijalna i zdravstvena politika	Public Health
Zdravstvena tehnologija	Public Health
Javnozdravstvena informatika	Public Health
Kvalitativne metode u istraživanjima zdravlja	Public Health
Osiguranje kvalitete zdravstvene zaštite	Public Health
Gerontološko-javnozdravstvena zaštita	Public Health
Promicanje duševnog zdravlja	Public Health
Primarna zdravstvena zaštita i obiteljska medicina	Public Health
Financiranje zdravstvene zaštite	Public Health
Farmaceutska politika i zdravstveno tržište	Public Health
Opće kompetencije liječnika specijalista	Public Health Medicine
Uvod u zdravstvenu ekonomiku	Public Health Medicine
Statističke i epidemiološke metode u javnom zdravstvu	Public Health Medicine
Okoliš i zdravlje	Public Health Medicine
Promicanje zdravlja, zdravstveni odgoj i zdravstvena komunikacija	Public Health Medicine
Planiranje i organizacija te rukovođenje kvalitetom u sustavu zdravstva	Public Health Medicine

Vještine zdravstvenog menadžmenta i intersektorske suradnje	Public Health Medicine
Zdravlje u zajednici - procjena zdravstvenog stanja i planiranje za zdravlje	Public Health Medicine
Javnozdravstvene intervencije	Public Health Medicine
Zdravlje, socijalna i zdravstvena politika	Public Health Medicine
Zdravstvena tehnologija	Public Health Medicine
Zdravlje i sustav zaštite zdravlja	Public Health Medicine
Javnozdravstvena informatika	Public Health Medicine
Kvalitativne metode u istraživanjima zdravlja	Public Health Medicine
Bioetika i ljudska prava	Public Health Medicine
Osiguranje kvalitete zdravstvene zaštite	Public Health Medicine
Gerontološko-javnozdravstvena zaštita	Public Health Medicine
Promicanje duševnog zdravlja	Public Health Medicine
Primarna zdravstvena zaštita i obiteljska medicina	Public Health Medicine
Zdravlje i društvo	Public Health Medicine
Financiranje zdravstvene zaštite	Public Health Medicine
Farmaceutska politika i zdravstveno tržište	Public Health Medicine
Opće kompetencije liječnika specijalista	Cardiology
Epidemiologija i prevencija kardiovaskularnih bolesti	Cardiology
Ehokardiografija i ostale slikovne metode u kardiologiji	Cardiology
Invazivni dijagnostički postupci i intervencijski zahvati u kardiologiji	Cardiology
Klinička kardiovaskularna farmakologija	Cardiology
Klinički pregled, laboratorijska dijagnostika i genetika u kardiologiji	Cardiology
Arterijska i plućna hipertenzija	Cardiology
Hitna i intenzivna kardiologija	Cardiology
Akutni koronarni sindrom i kronična ishemijska bolest srca	Cardiology
Bolesti srčanih zalistaka	Cardiology
Dijagnostika i liječenje poremećaja srčanoga ritma	Cardiology
Elektrostimulacija srca	Cardiology
Primarne i sistemske bolesti miokarda i perikarda	Cardiology
Zatajivanje srca	Cardiology
Rehabilitacija kardiovaskularnih bolesnika	Cardiology
Bolesti arterija i vena	Cardiology
Prirodne bolesti srca	Cardiology
Napredna elektrokardiografija	Cardiology
Kardiologija rada i športa	Cardiology

Kardiološki problemi u nekardioloških bolesnika	Cardiology
Opća bakteriologija	Clinical Microbiology
Opća virologija	Clinical Microbiology
Opća mikologija i specijalna mikologija	Clinical Microbiology
Opća parazitologija i specijalna parazitologija	Clinical Microbiology
Specijalna bakteriologija	Clinical Microbiology
Specijalna virologija	Clinical Microbiology
Odabrana poglavlja iz biokemije	Clinical Microbiology
Epidemiologija	Clinical Microbiology
Imunologija	Clinical Microbiology
Patogeneza infekcija	Clinical Microbiology
Opće kompetencije liječnika specijalista	Clinical Microbiology
Klinička mikrobiologija	Clinical Microbiology
Klinička infektologija	Clinical Microbiology
Virusne infekcije dišnog sustava	Clinical Microbiology
Suvremena radiološka tehnika i tehnologija	Clinical Radiology
Radiobiologija i zaštita od ionizirajućeg zračenja	Clinical Radiology
Kontrastna sredstva u radiologiji	Clinical Radiology
Radiologija hepatobilijarnog sustava, gušterače i slezene	Clinical Radiology
Radiologija urogenitalnog sustava	Clinical Radiology
Radiologija srca i velikih krvnih žila	Clinical Radiology
Radiologija osteoartikularnog sustava	Clinical Radiology
Radiologija respiracijskog sustava i medijastinuma	Clinical Radiology
Radiologija gastrointestinalnog sustava	Clinical Radiology
Opće kompetencije liječnika specijalista	Clinical Radiology
Angiografska dijagnostika	Clinical Radiology
Intervencijska radiologija	Clinical Radiology
Ultrazvučna dijagnostika organskih sustava	Clinical Radiology
Dijagnostika bolesti dojke	Clinical Radiology
Magnetska rezonancija	Clinical Radiology
Dijagnostički i intervencijski postupci u neuroradiologiji	Clinical Radiology
Pedijatrijska radiologija	Clinical Radiology
Maksilofacijalna traumatologija <sup>5</sup>	Maxillofacial Surgery
Dijagnostički algoritmi, opći kirurški i farmakoterapijski principi	Maxillofacial Surgery
Oralna kirurgija	Maxillofacial Surgery
Odabrana poglavlja iz stomatološke protetike	Maxillofacial Surgery
Upale maksilofacijalne regije	Maxillofacial Surgery
Ciste čeljusti i diferencijalna dijagnoza prozračnosti čeljusti	Maxillofacial Surgery
Odabrana poglavlja iz ortodoncije	Maxillofacial Surgery

Odabrana poglavlja iz dentalne medicine	Maxillofacial Surgery
Opće kompetencije liječnika specijalista	Maxillofacial Surgery
Rascjepi lica i sindromske manifestacije	Maxillofacial Surgery
Estetska kirurgija lica	Maxillofacial Surgery
Deformiteti ličnog skeleta	Maxillofacial Surgery
Onkološka kirurgija glave i vrata	Maxillofacial Surgery
Plastična i rekonstrukcijska kirurgija glave i vrata	Maxillofacial Surgery
Kirurgija čeljusnog zgloba	Maxillofacial Surgery
Digitalne tehnike planiranja u maksilofacijalnoj kirurgiji	Maxillofacial Surgery
Kirurške bolesti lubanjske osnovice	Maxillofacial Surgery
Opće kompetencije liječnika specijalista	Occupational and Sports Medicine
Profesionalne bolesti, toksikologija i patologija rada	Occupational and Sports Medicine
Fiziologija rada i športa	Occupational and Sports Medicine
Psihologija rada i športa	Occupational and Sports Medicine
Športsko-rekreacijska medicina	Occupational and Sports Medicine
Ocjenjivanje radne i športske sposobnosti	Occupational and Sports Medicine
Teorija treninga	Occupational and Sports Medicine
Ekološka analiza radnih i sportskih uvjeta	Occupational and Sports Medicine
Športska medicina	Occupational and Sports Medicine
Kronične bolesti radnika i sportaša i tjelesno vježbanje	Occupational and Sports Medicine
Kineziologija I.	Occupational and Sports Medicine
Opće kompetencije liječnika specijalista	Neurology
Cerebrovaskularne bolesti	Neurology
Glavobolje i bolni sindromi	Neurology
Intenzivna neurologija	Neurology
Spinalne bolesti	Neurology
Epilepsije	Neurology
Kognitivna neurologija	Neurology
Neuromuskularne bolesti	Neurology
Ekstrapiramidne bolesti - Poremećaji pokreta	Neurology
Demijelinizacijske bolesti	Neurology
Organizacija, sadržaji i metode rada u obiteljskoj medicini I dio	Family Medicine
Unapređenje kvalitete rada	Family Medicine
Zaštita mentalnog zdravlja	Family Medicine
Istraživanje u obiteljskoj medicini	Family Medicine
Zaštita zdravlja obitelji	Family Medicine
Zaštita zdravlja djece i mladeži	Family Medicine
Ekonomika u zdravstvu	Family Medicine
Medicinska informatika	Family Medicine
Medicina i društvo	Family Medicine

Medicinska sociologija za obiteljske liječnike	Family Medicine
Organizacija, upravljanje i rukovođenje u zdravstvu	Family Medicine
Zdravstveni učinci općeg i radnog okoliša	Family Medicine
Opće kompetencije liječnika specijalista	Family Medicine
Zaštita zdravlja starijih ljudi	Family Medicine
Zaštita zdravlja onkoloških bolesnika	Family Medicine
Organizacija, sadržaji i metode rada u obiteljskoj medicini II dio	Family Medicine
Zaštita bolesnika koji boluju od kroničnih bolesti	Family Medicine
Zaštita zdravlja žena	Family Medicine
Epidemiologija za obiteljske liječnike	Family Medicine
Ljudska seksualnost	Family Medicine
Zakonodavstvo i medicinska etika	Family Medicine
Unapređenje zdravlja i sprečavanje bolesti	Family Medicine
Komplementarna i alternativna medicina	Family Medicine
Funkcionalna ispitivanja oka	Ophthalmology and Optometry
Patološka anatomija oka	Ophthalmology and Optometry
Zaštitni aparat oka	Ophthalmology and Optometry
Trauma oka	Ophthalmology and Optometry
Tumori zaštitnog aparata oka	Ophthalmology and Optometry
Radna sposobnost i rehabilitacija slijepih	Ophthalmology and Optometry
Transplantacija rožnice i očno bankarstvo	Ophthalmology and Optometry
Fiziologija oka	Ophthalmology and Optometry
Vanjske ovojnice oka	Ophthalmology and Optometry
Imunologija i imunosne bolesti oka	Ophthalmology and Optometry
Genetika u oftalmologiji	Ophthalmology and Optometry
Leća i bolesti leće	Ophthalmology and Optometry
Opće kompetencije liječnika specijalista	Ophthalmology and Optometry
Neurooftalmologija	Ophthalmology and Optometry
Bolesti srednje očne ovojnice	Ophthalmology and Optometry
Bolesti mrežnice	Ophthalmology and Optometry
Orbitopatija i bolesti štitne žlijezde	Ophthalmology and Optometry
Optometrija	Ophthalmology and Optometry
Farmakoterapija u oftalmologiji	Ophthalmology and Optometry
Dječja oftalmologija i strabologija	Ophthalmology and Optometry
Glaukom	Ophthalmology and Optometry
Suvremeni pristup kirurgiji katarakte	Ophthalmology and Optometry
Makula i bolesti makule	Ophthalmology and Optometry
Vitreoretinalna kirurgija	Ophthalmology and Optometry
Opće kompetencije liječnika specijalista	Oncology and Radiotherapy
Karcinogeneza i prevencija tumora	Oncology and Radiotherapy
Molekularna genetika tumora	Oncology and Radiotherapy
Molekularna biologija tumora	Oncology and Radiotherapy

Radiobiologija tumor	Oncology and Radiotherapy
Patologija i citologija malignih tumora	Oncology and Radiotherapy
Radiološka i UZV dijagnostika onkoloških bolesnika	Oncology and Radiotherapy
Radioterapijska fizika i aparatura	Oncology and Radiotherapy
Dozimetrija zračenja i zaštita u radioterapiji	Oncology and Radiotherapy
Primjena radionuklida i brahiterapije u onkologiji	Oncology and Radiotherapy
Sustavna terapija solidnih tumora	Oncology and Radiotherapy
Potporno liječenje i zbrinjavanje nuspojava, rekonstrukcijski zahvati, palijacija, etička razmatranja i psihološka potpora u onkologiji	Oncology and Radiotherapy
Međudnos kirurškog liječenja i ostalih onkoloških terapija te dijagnostičkih metoda	Oncology and Radiotherapy
Tumori ženskog spolnog sustava	Oncology and Radiotherapy
Klinička imunoterapija u onkologiji	Oncology and Radiotherapy
Tumori dječje dobi	Oncology and Radiotherapy
Tumori sustava za kretanje	Oncology and Radiotherapy
Tumori dojke	Oncology and Radiotherapy
Tumori kože	Oncology and Radiotherapy
Tumori središnjeg živčanog sustava	Oncology and Radiotherapy
Epidemiologija malignih tumora, informatizacija i istraživanja te uloga pojedinih segmenata zdravstvene zaštite	Oncology and Radiotherapy
Tumori glave i vrata	Oncology and Radiotherapy
Tumori probavnog sustava	Oncology and Radiotherapy
Intratorakalni tumori	Oncology and Radiotherapy
Neoplazme hematološkog i imunološkog sustava	Oncology and Radiotherapy
Tumori mokraćnog sustava	Oncology and Radiotherapy
Opće kompetencije liječnika specijalista	General Surgery
Mikrobiologija, kirurške infekcije i antimikrobna terapija	General Surgery
Urologija	General Surgery
Ginekologija	General Surgery
Osnovni principi anestezije i intenzivne medicine kod kirurških bolesni	General Surgery
Perioperativni kirurški postupci i liječenje	General Surgery
Radiološka dijagnostika u kirurgiji	General Surgery
Vaskularna kirurgija	General Surgery
Neurokirurgija	General Surgery
Opća onkološka kirurgija	General Surgery
Transplantacija organa i tkiva	General Surgery
Abdominalna kirurgija	General Surgery
Kardiorakalna kirurgija	General Surgery

Maksilofacijalna kirurgija	General Surgery
Ortopedija i traumatologija	General Surgery
Plastična, rekonstrukcijska i estetska kirurgija	General Surgery
Dječja kirurgija	General Surgery
Temeljne i primjenjene znanosti u ortopediji i traumatologiji	Orthopaedics and Traumatology
Amputacije i suvremena ortopedska pomagala	Orthopaedics and Traumatology
Radiološka dijagnostika i slikovne metode u ortopediji i traumatologiji	Orthopaedics and Traumatology
Rekonstruktivna kirurgija sustava za kretanje	Orthopaedics and Traumatology
Endoproteze kuka i koljena	Orthopaedics and Traumatology
Politrauma	Orthopaedics and Traumatology
Suvremene spoznaje o tumorima sustava za kretanje	Orthopaedics and Traumatology
Traumatologija sustava za kretanje	Orthopaedics and Traumatology
Dječja ortopedija i traumatologija	Orthopaedics and Traumatology
Vertebrologija-klinička problematika kralježnice	Orthopaedics and Traumatology
Klinička problematika šake i lakta	Orthopaedics and Traumatology
Gonologija-klinička problematika koljenskog zgloba	Orthopaedics and Traumatology
Podologija-klinička problematika gležnja i stopala	Orthopaedics and Traumatology
Športska traumatologija	Orthopaedics and Traumatology
Opće kompetencije liječnika specijalista	Orthopaedics and Traumatology
Klinička problematika zglobova ramenog obruča i nadlaktice	Orthopaedics and Traumatology
Opće kompetencije liječnika specijalista	Otorhinolaryngology
Onkologija glave i vrata	Otorhinolaryngology
Bolesti vrata - dijagnostika i terapija	Otorhinolaryngology
Audiološka otoneurologija	Otorhinolaryngology
Otologija	Otorhinolaryngology
Vestibulološka otoneurologija	Otorhinolaryngology
Audiologija	Otorhinolaryngology
Laringologija	Otorhinolaryngology
Rinologija	Otorhinolaryngology
Orofaringologija	Otorhinolaryngology
Plastično-rekonstruktivna kirurgija glave i vrata	Otorhinolaryngology
Traheobronhologija	Otorhinolaryngology
Onkokirurgija glave i vrata	Otorhinolaryngology
Rekonstruktivna kirurgija u otologiji	Otorhinolaryngology
Multidisciplinarni onkološki pristup u ORL	Otorhinolaryngology
Rinologija II	Otorhinolaryngology
Fonijatrija	Otorhinolaryngology
Ezofagologija	Otorhinolaryngology

Odabrana poglavlja iz dječje otorinolaringologije	Otorhinolaryngology
Sekretorni otitis	Otorhinolaryngology
Rijetki tumori glave i vrata	Otorhinolaryngology
Kirurgija štitnjače i doštitnih žlijezda	Otorhinolaryngology
Estetska kirurgija glave i vrata	Otorhinolaryngology
Melanomi glave i vrata	Otorhinolaryngology
Dijagnostičke metode u patologiji - elektronska mikroskopija, histokemija, imunohistokemija, citologija	Pathology and Cytology
Molekularna i računalna patologija	Pathology and Cytology
Bolesti srca i krvnih žila	Pathology and Cytology
Bolesti bubrega	Pathology and Cytology
Opći mehanizmi nastanka bolesti: upala, imunološki poremećaji, kancerogeneza	Pathology and Cytology
Patologija dojke	Pathology and Cytology
Bolesti glave i vrata	Pathology and Cytology
Bolesti endokrinih žlijezda	Pathology and Cytology
Bolesti pluća, poplućnice i medijastinuma	Pathology and Cytology
Patologija kože	Pathology and Cytology
Patologija mokraćnog sustava i muških spolnih organa	Pathology and Cytology
Bolesti lokomotornog sustava i tumori mekih tkiva	Pathology and Cytology
Bolesti krvi i krvotvornih organa	Pathology and Cytology
Opće kompetencije liječnika specijalista	Pathology and Cytology
Bolesti jetre i bilijarnog trakta	Pathology and Cytology
Osnove sudske medicine	Pathology and Cytology
Bolesti središnjeg živčanog sustava	Pathology and Cytology
Bolesti gastrointestinalnog sustava	Pathology and Cytology
Ginekološka i perinatalna patologija	Pathology and Cytology
Sudska medicina	Pathology and Cytology
Molekularna dijagnostika	Pathology and Cytology
Neuropatologija	Pathology and Cytology
Citologija	Pathology and Cytology
Transplantacija solidnih organa	Pathology and Cytology
Imunopatologija - transplantacija koštane srži	Pathology and Cytology
Opće kompetencije liječnika specijalista	Paediatrics
Hitna stanja u pedijatriji	Paediatrics
Prirođeni i stečeni poremećaji metabolizma u djece	Paediatrics
Rast i razvoj, endokrinologija i dijabetes	Paediatrics
Imunološke i reumatske bolesti dječje dobi	Paediatrics
Medicinska genetika	Paediatrics
Preventivni i socijalni aspekti pedijatrije	Paediatrics

Neonatologija	Paediatrics
Pedijatrijska gastroenterologija	Paediatrics
Pedijatrijska hematologija i onkologija	Paediatrics
Prehrana u zdravlju i bolesti - odabrane teme	Paediatrics
Osnove liječenja nedonoščadi	Paediatrics
Bolesti štitnjače u fetalnoj, novorođenačkoj i dječjoj dobi	Paediatrics
Autoimunosne reumatske bolesti	Paediatrics
Cistična fibroza - razni aspekti bolesti	Paediatrics
Metabolički uzrokovane bubrežne bolesti u djece	Paediatrics
Infektologija	Paediatrics
Pedijatrijska kardiologija	Paediatrics
Pulmologija i tuberkuloza	Paediatrics
Pedijatrijska nefrologija	Paediatrics
Neuropedijatrija	Paediatrics
Kongenitalne anomalije probavne cijevi i trbušnog zida	Paediatrics
Neuromuskularne bolesti u djece	Paediatrics
Epilepsije i epileptički sindromi	Paediatrics
Pedijatrijska kardiologija-prirođene srčane grješke	Paediatrics
Crijevna flora u zdravlju i bolesti	Paediatrics
Benigni tumori	Plastic, Reconstructive and Aesthetic Surgery
Estetska kirurgija	Plastic, Reconstructive and Aesthetic Surgery
Kongenitalne anomalije ekstremiteta	Plastic, Reconstructive and Aesthetic Surgery
Kronična rana, primjena obloga i terapija negativnim tlakom	Plastic, Reconstructive and Aesthetic Surgery
Maligni tumori kože i mekog tkiva	Plastic, Reconstructive and Aesthetic Surgery
Mikrokirurške rekonstrukcije i replantacije	Plastic, Reconstructive and Aesthetic Surgery
Neinvazivne tehnike pomlađivanja	Plastic, Reconstructive and Aesthetic Surgery
Onkoplastična kirurgija dojke	Plastic, Reconstructive and Aesthetic Surgery
Opće kompetencije liječnika specijalista	Plastic, Reconstructive and Aesthetic Surgery
Opekline i smrzotine	Plastic, Reconstructive and Aesthetic Surgery
Ozljede i bolesti šake	Plastic, Reconstructive and Aesthetic Surgery

Patofiziologija cijeljenja rane i odabir šivaćeg materijala	Plastic, Reconstructive and Aesthetic Surgery
Transplantati, reznjevi i regeneracija tkiva	Plastic, Reconstructive and Aesthetic Surgery
Psihodinamika i kliničke slike psihosomatskih poremećaja	Psychotherapy
Teorijske osnove psihoanalitičke terapije	Psychotherapy
Teorijske osnove grupne analize	Psychotherapy
Psihodinamika i klinička slika neuroza	Psychotherapy
Razvojna psihologija	Psychotherapy
Kliničke slike poremećaja self-a	Psychotherapy
Odabrana poglavlja iz psihijatrije	Psychotherapy
Teorijske osnove kognitivno-bihevioralne terapije	Psychotherapy
Psihoterapija psihoza	Psychotherapy
Psihoterapijski pristup u bolničkim uvjetima (klinička psihoterapija)	Psychotherapy
Obiteljska terapija i scensko-ekspresivna grupna terapija	Psychotherapy
Iskustvo o sebi u grupnoj analizi	Psychotherapy
Poremećaji osobnosti	Psychotherapy
Poremećaji u dječjoj i adolescentnoj dobi	Psychotherapy
Poremećaji hranjenja	Psychotherapy
Socioterapija i rehabilitacija u psihijatriji	Psychotherapy
Opće kompetencije liječnika specijalista	Pulmonology
Epidemiologija i prevencija respiratornih bolesti	Pulmonology
Funkcijska dijagnostika u pulmologiji	Pulmonology
Slikovne metode u pulmologiji	Pulmonology
Patohistološka, citološka i molekularna dijagnostika u pulmologiji	Pulmonology
Mikrobiologija u pulmologiji	Pulmonology
Astma i alergijske bolesti dišnog sustava	Pulmonology
Endoskopija u pulmologiji	Pulmonology
Torakalna kirurgija	Pulmonology
Kronična opstruktivna plućna bolest	Pulmonology
Tuberkuloza i ostale mikobakterioze	Pulmonology
Karcinom pluća	Pulmonology
Ostali torakalni tumori	Pulmonology
Difuzne bolesti plućnog parenhima	Pulmonology
Respiracijske infekcije	Pulmonology
Respiracijska insuficijencija	Pulmonology
Bolesti plućne cirkulacije	Pulmonology
Transplantacija pluća	Pulmonology
Hitna stanja u pulmologiji	Pulmonology
Poremećaji disanja u spavanju	Pulmonology

Rehabilitacija respiratornih bolesnika	Pulmonology
Bazična i klinička istraživanja u reumatologiji	Rheumatology
Izvanzglobni reumatizam i bolni sindromi u reumatologiji	Rheumatology
Juvenilni idiopatski artritis	Rheumatology
Klinička epidemiologija i medicina utemeljena na dokazima	Rheumatology
Kliničko prosuđivanje i izobrazba u reumatologiji	Rheumatology
Kvantitativna klinička reumatologija	Rheumatology
Laboratorijske metode u dijagnostici reumatskih bolesti	Rheumatology
Metaboličke bolesti kostiju i zglobova	Rheumatology
Miješana bolest vezivnog tkiva i sindromi preklapanja bolesti vezivnog tkiva	Rheumatology
Miozitisi	Rheumatology
Načela dijagnostike i liječenja reumatskih bolesti	Rheumatology
Opće kompetencije liječnika specijalista	Rheumatology
Osnove dijagnostičke primjene ultrazvuka u reumatologiji	Rheumatology
Osnove imunologije za reumatologe	Rheumatology
Osnove radiologije za reumatologe	Rheumatology
Osobitosti sustava MALT i razvoj autoimunih bolesti	Rheumatology
Ostali reumatološki entiteti i sindromi	Rheumatology
Osteoartritis	Rheumatology
Pedijatrijska reumatologija za adultne reumatologe	Rheumatology
Pristup bolesniku s toplim i otečenim zglobom	Rheumatology
Reumatoidni artritis	Rheumatology
Sjögrenov sindrom	Rheumatology
Spondiloartritisi	Rheumatology
Sustavna skleroza i fibrozirajući sindromi	Rheumatology
Sustavni eritemski lupus	Rheumatology
Uvod u reumatologiju	Rheumatology
Vaskulitisi	Rheumatology
Epidemiologija	School and Adolescent Medicine
Otorinolaringologija dječje i adolescentne dobi	School and Adolescent Medicine
Specifičnosti zdravstvene zaštite djece i adolescenata s kroničnim i trajnim bolestima	School and Adolescent Medicine
Socijalna medicina i organizacija zdravstvene zaštite	School and Adolescent Medicine
Metodika zdravstvenog odgoja	School and Adolescent Medicine
Ginekologija dječje i adolescentne dobi	School and Adolescent Medicine

Zaštita vida školske djece i mladeži	School and Adolescent Medicine
Ortopedski problemi dječje i adolescentne dobi	School and Adolescent Medicine
Rast i razvoj djeteta	School and Adolescent Medicine
Medicinska sociologija i ekonomika u zdravstvu	School and Adolescent Medicine
Odabrana poglavlja iz medicinske informatike	School and Adolescent Medicine
Zdravstvena ekologija i zdravstvena zaštita radnika	School and Adolescent Medicine
Struktura, metodologija i funkcioniranje znanstvenog rada	School and Adolescent Medicine
Medicinska i zdravstvena statistika	School and Adolescent Medicine
Opće kompetencije liječnika specijalista	School and Adolescent Medicine
Zaštita mentalnog zdravlja djece i mladeži	School and Adolescent Medicine
Zdravstvena zaštita školske djece i mladih	School and Adolescent Medicine
Kineziologija športa	School and Adolescent Medicine
Sportska medicina	School and Adolescent Medicine
Racionalna farmakoterapija	School and Adolescent Medicine
Nasilje kao javnozdravstveni problem	School and Adolescent Medicine
Opće kompetencije liječnika specijalista	Transfusion Medicine
Metode laboratorijske dijagnostike	Transfusion Medicine
Davalaštvo i proizvodnja krvnih pripravaka	Transfusion Medicine
Imunohematologija eritrocita, trombocita i granulocita	Transfusion Medicine
Etika i upravljanje kvalitetom u transfuzijskoj medicini	Transfusion Medicine
Organizacija i funkcija imunskog sustava	Transfusion Medicine
Krvlju prenosive zarazne bolesti	Transfusion Medicine
Hemostaza	Transfusion Medicine
Klinička transfuzijska medicina	Transfusion Medicine
Transfuzijske reakcije	Transfusion Medicine
Pohrana tkiva i stanica	Transfusion Medicine
Imunogenetika	Transfusion Medicine
Opće kompetencije liječnika specijalista	Urology
Odabrana poglavlja građe i razvitka urogenitalnog sustava	Urology
Odabrana poglavlja anatomije urogenitalnog sustava	Urology
Odabrana poglavlja fiziologije urogenitalnog sustava	Urology
Odabrana poglavlja patološke morfologije muških spolnih organa i mokraćnog sustava	Urology
Odabrana poglavlja patofiziologije urogenitalnog sustava	Urology
Radiološka i ultrazvučna dijagnostika i intervencijska radiologija u urologiji	Urology
Nuklearnomedicinske pretrage u urologiji	Urology

Odabrana poglavlja nefrologije	Urology
Klinička farmakologija urogenitalnog sustava	Urology
Odabrana poglavlja iz kliničke mikrobiologije	Urology
Odabrana poglavlja patofiziologije urogenitalnog sustava	Urology
Radiološka i ultrazvučna dijagnostika i intervencijska radiologija u urologiji	Urology
Urodinamika i andrologija	Urology
Urološka onkologija - kirurški aspekti	Urology
Dijaliza	Urology
Urolitijaza - dijagnostika i terapija	Urology
Urologija dječje dobi	Urology
Urogenitalna trauma	Urology
Uroginekologija	Urology
Minimalno invazivni zahvati u urologiji i nove tehnologije	Urology
Bolesti nadbubrežne žlijezde	Urology
Transplantacija bubrega i eksplantacija organa	Urology
Otkrivanje i dijagnostički postupci te terapija kod karcinoma prostate	Urology
Kemoterapija i radioterapija tumora u urologiji	Urology
Urološka onkologija - kirurški aspekti	Urology
Urologija dječje dobi	Urology
Urogenitalna trauma	Urology

### 3.5. PhD Studies in Biomedicine and Health Sciences

#### 3.5.1. General information about the study

The PhD study programme in Biomedicine and Health Sciences was introduced as the third cycle of the Bologna Process with the aim of connecting the European Higher Education Area and the European Research Area. The postgraduate study programme leading to the academic degree of Doctor of Medical Sciences was established in the academic year 1997/1998. From the academic year 2003/2004, this programme has been titled Biomedicine and Health Sciences, and a corresponding programme in English was introduced in the academic year 2007/2008. In Croatia, this study programme was the first to embrace the principles of the Bologna Process and implement the ECTS (European Credit Transfer and Accumulation System) credit system. The University of Zagreb School of Medicine played an active role in the development and harmonization of PhD studies at the European level. In 2004, the non-governmental organisation ORPHEUS (Organisation of PhD Education in Biomedicine and Health Sciences in the European System) was established based on the same principles, promoting the harmonization of PhD studies in the field of biomedicine.

#### 3.5.2. Conditions for enrolment

A person eligible for enrolment in the PhD Study in Biomedicine and Health Sciences must have completed an integrated undergraduate and graduate university programme in medicine or other appropriate graduate university programme or integrated undergraduate and graduate university programme in the scientific field of Biomedicine and Health Sciences or a related

field. The applicant should have a grade point average of at least 3.51, or in a grading system of 5-10 or A-F, a grade point average of at least 8.00 on the undergraduate and graduate level.

Admission to the PhD study programme is based on a public call for applications announced on the School website. Applicants who have completed an integrated undergraduate and graduate programme or a graduate programme abroad must submit a decision on the academic recognition of the foreign higher education qualification in the application.

Criteria for evaluating applicants include their success in the integrated undergraduate and graduate programme or the graduate programme, demonstrated interest in scientific research (published papers and abstracts of conference presentations), recommendations from teachers and potential mentors, and a proposed research area as part of the PhD thesis. An interview with the applicant is a mandatory part of the application process. All necessary conditions for completing the study within the specified period are clearly defined upon enrolment.

### 3.5.3. Structure and organisation of studies

COURSE TITLE	
Struktura, metodika i funkcioniranje znanstvenog rada 1	1 <sup>st</sup> -year mandatory course
Struktura, metodika i funkcioniranje znanstvenog rada 2	2 <sup>nd</sup> -year mandatory course
Statistička analiza podataka u medicini 1	2 <sup>nd</sup> -year mandatory course
Struktura, metodika i funkcioniranje znanstvenog rada 3: znanstveni projekti	3 <sup>rd</sup> -year mandatory course
Medicinska statistika 2.1: planirani eksperimentalni dizajn studije	3 <sup>rd</sup> -year mandatory course (one is chosen)
Medicinska statistika 2.2: kvaziekperimentalni model studije	3 <sup>rd</sup> -year mandatory course (one is chosen)
Medicinska statistika 2.3: primjena računalnih statističkih alata za analizu medicinskih podataka kod opažajnog dizajna studije s velikim uzorkom	3 <sup>rd</sup> -year mandatory course (one is chosen)
Medicinska statistika 2.4: primjena računalnih statističkih alata za analizu medicinskih podataka kod opažajnog dizajna studije s malim uzorkom	3 <sup>rd</sup> -year mandatory course (one is chosen)
Biokemijske metode u biomedicinskim istraživanjima	elective course
Metode molekularne biologije u medicini	elective course
Genomski pristupi u biomedicinskim i translacijskim istraživanjima	elective course
Elektrofiziološke metode u medicinskim istraživanjima	elective course
Morfologijske metode istraživanja u biomedicinskim znanostima	elective course
Proteomika u biomedicinskim istraživanjima	elective course
Laboratorijske životinje u biomedicinskim istraživanjima	elective course
Metode istraživanja in vivo i in vitro	elective course
Telemedicina	elective course
Osobitosti kliničkih medicinskih istraživanja	elective course
Epidemiološke metode u istraživanju	elective course

Metode istraživanja i vrednovanja zdravstvenih intervencija	elective course
Medicinskoinformatičke metode	elective course
Medicinska praksa zasnovana na dokazima	elective course
Analiza biomedicinskih signala	elective course
Bolesti nadbubrežne žlijezde	elective course
Ciljana promjena genoma sisavaca	elective course
Dijagnostika i liječenje inkontinencije mokraće kod žena	elective course
Eksperimentalna onkologija: zloćudne bolesti kao stanje trajnog oksidacijskog stresa	elective course
Endokrini tumori probavnog sustava i gušterače	elective course
Epigenetika	elective course
Humana reprodukcija	elective course
Imunocitokini	elective course
Infekcije biomaterijala	elective course
Kako postati živčana stanica?	elective course
Kirurgija šake	elective course
Kirurško liječenje tumora hipofize	elective course
Klinička prehrana	elective course
Kliničko-laboratorijska dijagnostika malignog melanoma s posebnim osvrtom na molekularno-biološke dijagnostičke mogućnosti	elective course
Koštani morfogenetski proteini u regeneraciji kosti i hrskavice	elective course
Medicinska antropologija	elective course
Mehanizmi nastanka alergijskih reakcija	elective course
Metabolički sindrom	elective course
Metode istraživanja u molekularnoj onkologiji	elective course
Mikrovaskularni prijenos tkiva	elective course
Molekularna genetika starenja i karcinogeneze	elective course
Molekularna hematologija	elective course
Molekularna onkologija – znanja temeljena na novim tehnologijama	elective course
Molekularno genetička osnova tumora gastrointestinalnog sustava	elective course
Multirezistentne bakterije - uzročnici hospitalnih infekcija	elective course
Napredne ultrazvučne metode u gastroenterologiji i hepatologiji	elective course
Nestabilnost genoma	elective course
Neurobiologija starenja	elective course
Neurodegenerativna bolest vidnog živca	elective course
Neurosonologija	elective course
Patofiziologija mozga i likvora	elective course
Patogeneza infektivnih bolesti	elective course
Primjena doplerskog ultrazvuka u znanstvenim istraživanjima i dijagnostici bolesti krvnih žila	elective course
Razumijevanje koštanog metabolizma - temeljna saznanja u kliničkoj praksi	elective course
Razvojna neurobiologija čovjeka	elective course
Reprodukcija i radno mjesto	elective course

Snaga sinapsi i slabosti uma	elective course
Translacijska medicina - od bolesti do gena	elective course
Transplantacija bubrega	elective course
Transplantacija jetre	elective course
Transplantacija jetre u djece	elective course
Uloga imunogenetike u transplantaciji	elective course
Upravljanje zdravstvenim i javnozdravstvenim rizicima u kriznim situacijama	elective course
Utjecaj kroničnih bolesti na rezervu jajnika i mogućnosti očuvanja plodnosti	elective course

### 3.6. PhD in Neuroscience

#### 3.6.1. General information about the study

The PhD in Neuroscience was introduced in the academic year 2005/2006. Alongside Biomedicine and Health Sciences, it represents the highest level of formal education, aiming to educate new Doctor of Science through the completion of a PhD thesis based on original research. The purpose of the PhD study is to generate new and relevant knowledge and scientific insights, with an emphasis on their application.

The PhD study is distinctly different from the previous two cycles of higher education (undergraduate and graduate studies) in its focus on research rather than learning. Research in the PhD programme is a lengthy, intensive, and often challenging process in which PhD candidates collaborate with mentors. They acquire knowledge and competencies through the conduct of scientific research, culminating in their PhD thesis. The PhD thesis is an original contribution to science, evaluating the candidate's competence for conducting independent, original, and scientifically significant research.

Upon successful defence of the PhD thesis at the University of Zagreb School of Medicine candidates are awarded the academic degree of Doctor of Science in the scientific field of biomedicine and health sciences.

To develop into top-notch scientists capable of independently conducting research, PhD candidates will participate in lectures, workshops, research seminars, and discussion groups. Through these activities, they will become familiar with various scientific methods used in research and acquire skills such as problem-solving, analytical and critical thinking, project creation and management, team leadership, and independent research.

PhD education is crucial for the development of an academic career, addressing the increasing demands of the job market (economy, industry, companies, public sector, non-governmental organisations, etc.). The market requires experts who contribute to the creation of new knowledge, products, or methods (research, production, etc.). In addition to research competencies, PhD candidates will develop skills applicable to a wide range of jobs (communication and presentation skills, project and team management, etc.), preparing them for the challenges of society, the economy, and the development of their scientific or professional careers.

### 3.6.2. Admission requirements

A person who has completed an appropriate graduate university programme or an integrated undergraduate and graduate university programme in the scientific field of biomedicine and health sciences and related fields is eligible to enrol in the Postgraduate University (PhD) Study in Neuroscience. The candidates must have a minimum grade point average of 3.51, or the equivalent in the grading system of 5-10 or A-F, with the exception of applicants with completed graduate studies in other natural, public health, and social science fields may be admitted upon justification and request.

Enrolment quotas are determined based on the availability of research, teaching, and mentoring capacities.

Admission to the PhD Study in Neuroscience is based on a public call for applications announced in the Official Gazette and on the School website. Applicants who have completed an integrated undergraduate and graduate programme or a graduate programme abroad must submit a decision on the academic recognition of foreign higher education qualifications before enrolment.

Criteria for evaluating applicants include their success in the integrated undergraduate and graduate programme or graduate programme, demonstrated interest in scientific research (published papers and abstracts in congresses), recommendations from professors and potential mentors, and a proposal for the research area within the framework of the PhD thesis. An interview with the applicant is a mandatory part of the application process. All necessary conditions for completing the study within the specified period are clearly defined upon enrolment.

### 3.6.3. Structure and organisation of the study

COURSE TITLE	
Neuroanatomija	mandatory course
Uvod u neurobiologiju	mandatory course
Povijest neuroznanosti	mandatory course
Evolucijska neurobiologija čovjeka	mandatory course
Makroevolucija živčanog sustava i filostratigrafija	mandatory course
Statističke metode u neuroznanosti	mandatory course
Sinapsa: od gena do proteina	mandatory course
Stanična signalizacija	mandatory course
Uvod u razvojnu neuropatologiju	mandatory course
Neurobiokemija	mandatory course
Razvojna neurobiologija	mandatory course
Molekularna neurobiologija razvitka moždane kore	mandatory course
Neurobiologija starenja	mandatory course
Postupci sa eksperimentalnim životinjama u istraživanjima u neuroznanosti	elective course
Banke moždanog tkiva u razvoju i neurodegeneraciji	elective course
Fluorescentne metode u biomedicinskim istraživanjima	elective course
Dizajniranje istraživanja u biomedicinskim znanostima	elective course
Histološke metode u istraživanju mozga	elective course

Genski polimorfizmi	elective course
Specifičnosti primjene fluorescentnih histoloških metoda na ljudskom moždanom tkivu	elective course
Metode izolacije i analize proteina	elective course
Odabrane biokemijske metode u neuroznanosti	elective course
Analiza staničnog ciklusa protočnom citometrijom	elective course
Precizna identifikacija kortikalnih polja u odraslom ljudskom mozgu in vivo	elective course
Ručna i automatizirana analiza fluorescentnih slika	elective course
Primjena strojnog učenja u istraživanju neuroznanosti	elective course
Eksperimentalni modeli hemoragijskog I ishemijskog moždanog udara	elective course
In vivo kvantitativna MRI analiza ljudskog mozga tijekom razvitka i u odrasloj dobi	elective course
Procjena kognitivnih funkcija, komunikacije i jezika u djece rane predškolske dobi	elective course
Određivanje ukupnih i fosforiliranih tau proteina iz likvora pomoću ELISA postupka	elective course
Kako postati živčana stanica?	elective course
Dan doktorata	mandatory course
Ciljana promjena genoma sisavaca	elective course
Genske osnove tumora mozga	elective course
Razvojna (pedijatrijska) neurologija	elective course
Načela unutarstanične signalizacije hormonskih receptora u središnjem živčanom sustavu	elective course
Uvod u umjetnu inteligenciju u neuroznanosti	elective course
Kvantitativne metode animalnih modela bolesti mozga	elective course
Uvod u ponašanje životinja	elective course
Membranski lipidi u razvoju mozga I neurodegeneraciji	elective course
Morfološki korelati funkcije u neuronu	elective course
Uvod u umjetnu inteligenciju u neuroznanosti	elective course
Molekularna neuropatologija	elective course
Ciljana promjena gena u sisavaca	elective course
Molekularna biologija mijelina	elective course
Svojstva difuznog neuroendokrinog sustava	elective course
Navođenje aksona pri razvitku kortikalnih putova telecephalona čovjeka	elective course

Patofiziologija mozga i likvora	elective course
Stanična neurofiziologija	elective course
San, neuroplastičnost i sindromi talamokortikalnih disritmija	elective course
Eksperimentalni modeli epilepsije i uloga GABA u razvitku moždane kore	elective course
Neurobiologija ovisnosti	elective course
Proučavanje membranskih proteina u ekspresijskim sistemima	elective course
Praćenje neuropsiholoških odstupanja nakon ranog oštećenja mozga	elective course
Dan doktorata 2	mandatory course
Odabrana poglavlja epileptologije razvojne dobi	elective course
Primjena matičnih stanica u istraživanju i liječenju bolesti središnjeg živčanog sustava	elective course
MRI prikaz kralježnične moždine	elective course
Moderno kliničko oslikavanje mozga	elective course
Mehanizmi progresivne diferencijacije živčanih matičnih stanica kore velikoga mozga (neokorteksa)	elective course
Lijekovi, droge i mozak	elective course
Neurobiologija liječenja psihijatrijskih poremećaja	elective course
Farmakogenomika, neuroslikovni prikaz i računalna neuroznanost u personaliziranoj psihijatriji	elective course
Kognitivna fleksibilnost i orbitalna prefrontalna moždana kora	elective course
Uloga živčanog sustava u regulaciji ishrane i metabolizmu periferne energije	elective course
Neuroetika	elective course
Plastičnost hipokampusa nakon lezije	elective course
Molekularni procesi agregacije proteina kod neurodegenerativnih bolesti	elective course
Neurobiologija ekstrapiramidalnog motoričkog sustava	elective course
Neurobiološka osnova donošenja odluka	elective course
Glikolipidomika i sfingolipidomika živčanog sustava u zdravlju i malignoj transformaciji	elective course
Neuropsihološke posljedice strukturnog oštećenja mozga	elective course

## 4. ABOUT ZAGREB

Zagreb, the capital city of Croatia, is a city with open doors, a turbulent history, and interesting personalities. It serves as the cultural, scientific, economic, political, and administrative centre of the Republic of Croatia, housing the Parliament, President, and Government. One-fourth of the total population of Croatia resides in Zagreb. The city we know today, forming its historical core, was established in the Middle Ages on two hills: the secular Gradec (today's Upper Town) and the ecclesiastical Kaptol. The first written mention of Zagreb dates back to 1094 when Hungarian King Ladislaus, on his way to the Adriatic, founded the Zagreb bishopric on Kaptol. The Zagreb Cathedral in neo-Gothic style still dominates the city's skyline, and the Renaissance walls around it are among the few preserved in this part of Europe.

Zagreb is a city with a diverse and rich cultural and artistic life. Thirty permanent and occasional theatres and theater scenes, thirty museums, a larger number of galleries, and numerous theatre, music, and dance festivals place Zagreb on the list of art cities. The blue colour is the colour of the city of Zagreb, visible not only on the city's coat of arms but also on trams, buses, funiculars, and the uniforms of Zagreb athletes.

Zagreb – its streets and monuments – have lived for centuries. However, its greatest value is measured by the moment it gives us, the beauty and personality it shares with us. Step by step... Stop, talk to a passerby... in Zagreb's street cafes and the relaxed atmosphere of pedestrian zones you will discover why it is called a city with a soul...

Source: Tourist Information Centre of the City of Zagreb, <http://www.infozagreb.hr/>.

## 5. PUBLIC TRANSPORT

In the metropolis of Zagreb, public transportation is provided through various means - trams, buses, trains, and taxis. This vital service is offered by Zagrebački holding d.o.o., with its subsidiary Zagrebački električni tramvaj (ZET, available at <http://www.zet.hr>), in collaboration with Hrvatske željeznice (available at <http://www.hznet.hr>), while taxi services are available through various taxi operators.

Within the city transportation system in Zagreb, including buses, trams, and trains operated by Hrvatske željeznice, passengers can choose from three types of tickets:

Subscription ticket - suitable for regular users of public transportation; the ticket is valid for 3.5 years from the date of issue regardless of any changes in the user's status or profile; requests for the subscription ticket require a completed application form, a 3x3.5 cm photograph, and additional documents depending on the type of ticket; the cost of issuing the ticket is charged upon submission of the request; if you want a ZET subscription card that includes train travel within Zagreb by Hrvatske željeznice, this needs to be announced in advance.

Value ticket - an ideal option for occasional users of public transportation in Zagreb; the ticket is universal for all zones and lines, and it can be transferred to other users; with this ticket, passengers can travel by tram, bus, and funicular regardless of the direction of travel, with a validity of 90, 60, or 30 minutes in the first zone.

Paper ticket - available for purchase directly from the driver, at ZET sales points, or through contracted partners.

More details about each type of ticket, as well as information about sales locations, can be found on the ZET website (<http://www.zet.hr>).

In addition, several taxi companies operate in Zagreb, and relevant information about their services is available on their websites.

## 6. STUDENT HOUSING

For students, four student dormitories are offered for accommodation:

Stjepan Radić Dormitory, located at Jarunska 2, 10000 Zagreb, offers 12 pavilions with a total of 4,014 beds, including an administrative building. In addition, there are various amenities, including a fitness centre, cinema hall, classrooms, language school, medical and dental services, dance hall, two student restaurants, a pizzeria, and a café-confectionery.

Cvjetno Naselje Dormitory, located at Odranska 8, 10000 Zagreb, has 8 pavilions and 1,812 beds. In addition to accommodation, students have access to a fitness centre, congress hall, classrooms, language school, medical and dental services, pastoral office, multipurpose hall, two student restaurants, and a café-confectionery.

Dr. Ante Starčević Dormitory, at Zagrebačka avenija 2, 10000 Zagreb, provides 3 pavilions with 1,237 beds (single and double rooms equipped with a bathroom, refrigerator, and internet). Each floor has a classroom, laundry room, and tea kitchen. For leisure time, students can enjoy language school, sports and recreational activities such as fitness, table tennis, aerobics, Zumba, and open sports fields for football and basketball.

Laščina Dormitory, located at Laščinska cesta 32, 10000 Zagreb, offers 10 pavilions with 482 beds. Rooms have internet access, and each floor has a shared bathroom and tea kitchen. Additional amenities include a multipurpose hall (for table tennis, clubs, aerobics, dance, etc.), basketball court, small soccer and volleyball court, classroom, TV hall, and a student restaurant.

Current regulations, announcements, and decisions are available at the following link: <http://www.sczg.unizg.hr/smjestaj/smjestaj/kriteriji-za-raspodjelu-mjesta/>.

## 7. STUDENT ID CARD

Student ID card, serves as an identification document for full-time students of the University of Zagreb School of Medicine, providing them access to various student privileges. It confirms the student's status and allows access to different student benefits such as subsidized meals, discounted public transportation, and discounts at certain public establishments.

Upon completion of their studies, students are required to return their identification card. In the event of a lost card, it is necessary to report the loss to the administrative office of the University of Zagreb School of Medicine.

## 8. SUBSIDIZED MEALS

The monthly amounts on the student ID card cannot be accumulated; they are renewed every month, regardless of the balance at the end of the previous month. The balance on the student ID card can be checked at the bottom of each receipt, on the University Computing Centre (SRCE) website (<http://www.srce.unizg.hr/issp/>), or by calling +385 1 6165 876.

Student ID cards can be used in the following restaurants in Zagreb:

- Restaurant Savska, Savska cesta 25,

- Cvjetno naselje (student dormitory), Odranska 8,
- Stjepan Radić (student dormitory), Jarunska 2,
- Laščina (student dormitory), Laščinska cesta 32,
- Faculty of Economics and Business, Trg J. F. Kennedyja 6,
- Faculty of Veterinary Medicine, Heinzelova 55,
- Faculty of Agriculture and Forestry, Svetošimunska 25,
- Faculty of Mechanical Engineering and Naval Architecture, Ivana Lučića 5,
- School of Medicine, Šalata 3b,
- Academy of Fine Arts, Ilica 85,
- Restaurant Borongaj – dining hall Tekstilni, Prilaz B. Filipovića 28a,
- Cassandra d.o.o., Unska 3,
- Odeon d.o.o., A. Kačića-Miošića 26,
- Restaurant Superfaks, Pierottieva 6,
- Fast-food restaurant Bologna, Horvatovac 102a,
- Restaurant Borongaj, Borongajska cesta.

The list of establishments where the student ID card can be used in other cities can be found at the following link: <http://www.srce.unizg.hr/usluge/issp/popis-restorana/>.

## 9. DINING FACILITIES AT THE SCHOOL OF MEDICINE

The restaurant at the School of Medicine is located in the building of the School of Medicine at Šalata 3b.

The restaurant offers a menu with set meals, à la carte options, and other food products. All dishes are prepared by professional chefs using fresh and high-quality ingredients. To ensure the quality of the meals, emphasis is placed on using quality ingredients, with a focus on maximizing the nutritional value of the food during cooking.

The restaurant operates from Monday to Friday:

- Breakfast: 8 a.m. to 10.30 a.m.
- Break: 10.30 a.m. to 11.00 a.m.
- Lunch: 11.00 a.m. to 3.00 p.m.

It is closed on Saturdays and Sundays.

## 10. IMPORTANT PHONE NUMBERS

- Emergency services – 112,
- Police – 192,
- Firefighters – 193, and
- Ambulance – 194.

## 11. HEALTHCARE

Regular students can rely on the support of two doctors: a chosen family medicine doctor, whom they contact when they are ill, and a university doctor. Each faculty is assigned a specific university doctor. At the beginning of the first academic period, the university doctor conducts a detailed overall examination. This examination not only includes a medical check-up but also a discussion about the student's lifestyle and their adjustment to university life.

For students coming from outside Zagreb but wishing to retain their chosen doctors at their place of permanent residence during their studies, there are several options in case of illness. They can turn to emergency medical services, or alternatively, they can choose a family medicine doctor at one of the three health centres in Zagreb Health Centre: Centre, Zapad, and Istok. The choice usually depends on the student's place of residence.

If students decide to keep their chosen doctors at their place of permanent residence while studying in Zagreb, they have the right to services only within the scope of emergency medical care. The list of emergency services is available on the website <http://www.zagreb.info/zg-info/dezurne-hitne-sluzbe/19709>, while the list of on-call pharmacies can be found at <http://www.zagreb.info/zg-info/dezurne-ljekarne-u-zagrebu/19698>.

DR. ANDRIJA ŠTAMPAR TEACHING INSTITUTE FOR PUBLIC HEALTH - [www.stampar.hr](http://www.stampar.hr), has organized a Service for School and Adolescent Medicine for students. For the School of Medicine, the team consists of: Prof. Vesna Jureša, MD, PhD and Ivana Radibratović, bmt., Kauzlarićev prilaz 7, tel. +385 1 6414 020. Working hours: even dates: in the afternoon, odd dates: in the morning. The email address of the responsible doctor: [vesna.juresa@stampar.hr](mailto:vesna.juresa@stampar.hr).

Students can also contact the clinic of the Centre for Health Activities of the School of Medicine located in the building at Šalata 4a.

## 12. INFORMATION TECHNOLOGY EQUIPMENT AT THE UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE

The School spaces are equipped with the necessary information technology equipment for the smooth conduct of business processes, primarily for teaching in undergraduate, graduate, and postgraduate studies. All five computer classrooms are equipped with student and teacher computers, as well as appropriate presentation equipment (projectors, televisions, speakers, microphones, etc.).

At the School premises, students and teachers also have access to wireless internet through the Eduroam service.

### 13. LIBRARY AND DOCUMENTATION CENTRE OF THE SCHOOL OF MEDICINE

The library system of the School of Medicine consists of the Central Medical Library, the Andrija Štampar Library, and affiliated libraries. These libraries serve as information and communication centres, providing scientific and professional information and supporting the educational, scientific-research, and professional work of the School staff and affiliated clinical bases, as well as other stakeholders in the healthcare system. The libraries support the educational and research needs of students at all levels of study. Their fundamental tasks include acquiring library materials and building library collections in analogue and digital forms, processing library materials according to professional standards, ensuring public access to information about library materials, providing information services, lending and making library materials available, including interlibrary loan, supporting students and other users in choosing literature, ensuring access, proper use, and citation of sources, conducting complex and systematic searches of specialized databases, monitoring the scientific productivity of the parent institution, conducting bibliometric and related analyses according to the needs of users and regulations of the parent institution, creating and managing the institutional repository with a focus on storing information objects created at the School and ensuring their public availability, participating in the teaching activities of the parent institution at all levels, collaborating on professional and scientific projects, programmes, and committees of the parent institution, creating and maintaining formal and informal educational programmes in the field of advanced information literacy, designing and implementing science popularization programmes, and actively cooperating with institutions in the domestic and international academic and scientific community to improve the accessibility of scientific information.

The Central Medical Library (CML) operates within the premises of the School of Medicine and at two separate locations at the University Hospital Centre Zagreb. Its central part includes the student department with an extensive collection of textbooks and manuals and a student reading room, a collection of domestic and foreign medical journals, a reference collection, a collection of monographic publications with a rich collection of *Acta medica Croatica*, and a collection of PhD and master's theses defended at the School of Medicine in Zagreb. At the location of the Medical Library Rebro at the University Hospital Centre Zagreb, there is an extensive collection of foreign journals in all clinical disciplines and a collection of monographic publications of clinical orientation. The library at the Clinic for Gynaecology and Obstetrics contains journals and books mostly related to the field of gynaecology and obstetrics.

Under normal conditions, the total area of the Central Medical Library is 2085 m<sup>2</sup> with 170 seats. Library users include students, teaching and professional staff, retirees, and alumni of the School of Medicine, professional staff of the University Hospital Centre Zagreb, teaching and professional staff of other higher education institutions within the University of Zagreb, scientific staff of other research institutions, professional staff of various medical institutions, and other interested members of the public. The library is open to all users from Monday to Thursday from 8 a.m. to 7 p.m. and on Fridays from 8 a.m. to 4 p.m. Student reading rooms are open until 10 p.m. every week day.

The library acquires all mandatory textbooks in multiple copies and significant domestic and foreign medical monographs. Books for the study of medicine in English are also available in the library. The total number of book volumes was 135,000. The collection of printed journals includes a total of 2,500 titles. The number of active borrowers with registered loans on an annual basis is around 1400, the number of physical visits is 56,000, and the number of loans is about 8000.

Through the national academic consortium access to databases such as Web of Science, Scopus, PsycINFO, CAB Abstracts, and collections of journals from leading global publishers such as Springer Nature, Wiley, Taylor & Francis, Karger, AAAS Science, Annual Reviews, Cambridge Journals, Oxford University Press, Sage, and databases like Evidence-Based Medicine Reviews (EBMR), CINAHL, ProQuest, and JSTOR has been ensured.

In addition to national subscriptions, subscriptions from the University of Zagreb are coordinated with the School and the library. Over the five-year period, access to journals from publishers Wolters Kluwer, Lippincott Williams & Wilkins, British Medical Journal Collection, De Gruyter and numerous others has been provided.

In addition, the School of Medicine invests additional funds in the purchase of e-sources, procuring journals, books, and multimedia content from the world's largest publisher Elsevier included in the ClinicalKey database, additional specialized medical collections from publishers such as Springer, Oxford University Press, Karger, and other sources whose list changes depending on the scope of national and university licenses. Additionally, the School faculty have access to Turnitin software for verifying authenticity of various types of papers. Access to all e-sources is provided within the School's IP range and remotely, via proxy services or by creating personal user accounts.

Library staff processes around 4,000 information requests annually, including highly complex requests for systematic reviews and guidelines. The Central Medical Library is the first Croatian higher education library to introduce a regular service for issuing bibliometric certificates for scientific, teaching, and professional advancements. These certificates are recognized by all Croatian institutions, and more than 1,000 are issued annually.

The library uses the Alma cloud-based library system for its operations, enabling digitized business processes, precise statistical reporting, and efficient data exchange with numerous Croatian higher education institutions and with it provides advanced functionality for users..

The School of Medicine established an institutional repository in 2006, gathering the School's scientific production in one place, providing free access to works by staff and students, and increasing the visibility and usability of these sources. The repository is managed and updated by Central Medical Library staff, who, based on their experience, were among the initiators of the initiative to establish the national Dabar system (Digital Academic Archives and Repositories), which currently includes more than 160 repositories. The new digital repository of the School of Medicine – Dr Med is among the largest repositories in the system and has received special recognition for promoting open access. The repository currently contains

around 9,600 works, including all graded papers from 2014 onward, dissertations, journal articles, books, conference presentations, etc. It also allows the storage of educational materials, research data sets, and data management plans.

Library staff continually undergo professional development and acquire higher professional and scientific titles, including one Master of Science, one Doctors of Science, one Senior Librarian, and three Librarian Advisors. They actively monitor the development of medical scientific and professional communication and participate in conferences and published works, focusing on the production of their institution and tracking patterns of scientific publishing in Croatia and worldwide. They regularly publish news in the field of information and communication sciences and specialized medical librarianship in the official journal *mef.hr*. They are actively involved in domestic and international professional associations and projects at the university and national levels.

Librarians from CML regularly participate in teaching modules at the graduate and postgraduate levels at the School of Medicine, both in Croatian and English. Elements of information literacy are systematically integrated into the curriculum through mandatory and elective courses, providing students and physicians with support in developing advanced skills in assessing the validity and evidential strength of medical information. Special emphasis has been placed on the changes in communication patterns during the pandemic, raising awareness among students about the importance of continuous education, ongoing monitoring of new medical information, and the need for credible yet accessible communication with patients.

CML regularly organizes thematic workshops and informal educational events for students and faculty, such as Diploma Thursday, FAQ Graduate, Entry and Updating of Works in the CROSBID Database, and Formatting and Editing Author Profiles in Databases.

CML staff members are actively involved in international projects in collaboration with the School of Medicine, such as A4L, RAPIDE, and in Horizon project IP4OS – Unpacking the Possibilities of Intellectual Properties for Open Science, the CML is the representative of the School as a partner institution on the project.

For twenty years, the CML has been organizing the Medical Information Conference Croatia (MICC). This conference is designed for physicians and information professionals in the field of biomedical sciences but is also open to other professionals in medicine and healthcare, as well as students and the general public. The conference addresses contemporary trends related to the publication, access, use, dissemination, and preservation of information in the fields of science, higher education, and healthcare. Over a five-year period, themes such as Medical Knowledge in the Public Space: Information or Disinformation, Communication Challenges in Biomedicine During the Pandemic, and Through the Sieve and Riddle: What and How to Evaluate in Science and Higher Education have been highlighted.

The library regularly participates in the Night of Books event with tailored thematic programmes, aiming to popularize reading and the written word.

## 14. STUDENT COUNCIL, STUDENT ASSOCIATIONS, AND STUDENT SOCIETIES

### 14.1. Student Council

The Student Council of the University of Zagreb is the umbrella organisation for students representing all students of the University of Zagreb. It is a student-elected representative body that protects the interests of students at the faculty level, participates in decision-making bodies of the faculty, and represents students of the faculty within the higher education system. The Student Council was established in late 1996 when the Croatian Parliament passed the Law on the Student Council.

As the Student Council is legally established and operates on democratic principles (student elections are held every two years), it is the only body with legitimacy to represent the entire student population. The Executive Board of the Student Council at each faculty branch consists of student representatives and their deputies elected in student elections. In the case of our School of Medicine, these students are elected in the elections held in March every two years. The branch president is then selected from the elected students.

All presidents of Student Councils at individual faculties within the University, along with the 17 students directly elected from the University list, form the Student Council of the University.

The goal of the Student Council is to protect the rights and promote the interests of students at the level of each higher education institution (faculty, college, university) as well as at the national and international levels. At our School, student representatives achieve this through equal participation and work in the Faculty Council, the Dean's Management Board, as well as in other School committees crucial for the functioning of the School, such as the Committee for Teaching, the Committee for Student Research Papers, the International Relations Committee, and many others.

### 14.2. Student associations

#### 14.2.1. CroMSIC

The Croatian Medical Students' International Committee (CroMSIC) is a student organisation operating at four medical schools in Osijek, Rijeka, Split, and Zagreb. Established in 1991, one of its most significant activities during that time was collaboration with the UNHCR and foreign students on vaccination campaigns for refugees and soldiers on the front lines during the Croatian War of Independence.

CroMSIC is an equal member of the International Federation of Medical Students' Associations (IFMSA). IFMSA is an international non-profit organisation that brings together, coordinates, and advocates for over 1.3 million medical students. Founded in 1951 in Copenhagen, it currently represents 140 national student organisations from all corners of the world. IFMSA is recognized as a legitimate representative of medical students and an official partner of the United Nations, the World Health Organisation, the World Medical Association, and many other professional and international organisations and institutions.

Through various projects and actions, CroMSIC operates in the field of public health, with a special emphasis on mental health and the prevention of malignant diseases through projects like *Pogled u sebe* (Eng. Look into Yourself) and *Budi mRAK*' (a project dealing with cancer),

sexual and reproductive health addressed by the project THE Talk, human rights and peace, as well as medical education for students.

CroMSIC organizes student exchanges among the member schools for a duration of one month. Throughout the year, students from all parts of the world come to Croatia, where they have practical experience in hospitals or participate in scientific projects. The same opportunity is provided to CroMSIC members, who, through their involvement in the association and participation in various events, earn the right to go on exchanges worldwide.

#### 14.2.2. EMSA, SSSLZ, Summer School of Emergency Medicine

EMSA stands for the European Medical Students Association, an organisation that gathers branches from medical faculties across Europe engaged in the fields of public health, medical education, science, medical ethics, and European integration. EMSA Zagreb, as a non-governmental organisation, is one of the oldest branches founded by students of the School of Medicine in Zagreb, and has been active for over 20 years, following all pillars of EMSA Europe.

SSSLC, i.e., the Student Society of the Croatian Medical Association, is, as its name suggests, one of the societies operating within the umbrella organisation, the Croatian Medical Association. These associations share the same members, namely students of the School of Medicine in Zagreb, and jointly organize various projects such as the Summer School of Emergency Medicine, Zagreb International Medical Summit, Teddy Bear Hospital, and, in collaboration with the Faculty of Pharmacy and Biochemistry, the Clinical Skills Event competition.

The goal of the Summer School of Emergency Medicine (<https://www.facebook.com/DubrovnikSummerSchool/>) in Dubrovnik is to learn and practice basic skills needed in emergency medicine and first aid through various workshops (basic surgical skills and suturing course, trauma workshops and scenarios, traumatic brain injury, emergency situations in Paediatrics, drowning rescue workshop), various lectures, and the European Resuscitation Council's Immediate Life Support (ILS) course, during which students receive an internationally recognized certificate. Over the years, hundreds of medical students from various parts of Europe and the world have successfully attended the school. We take pride in hosting lectures by Prof. Maaret Castren, former President of the European Resuscitation Council from HUCS, Helsinki, and Prof. Jerry Nolan, President of the European Resuscitation Council from the University of Bristol, which means a lot to us. In addition to the educational-scientific part, the school aims to showcase the beauty of Dubrovnik and its surroundings through free activities, including organized trips to Lokrum Island, sightseeing of the Dubrovnik walls and the city, and visits to the Dubrovnik Summer Festival and Culture Club Revelin located within the walls.

ZIMS – Zagreb International Medical Summit (<https://www.facebook.com/zims.hr/>) is a student congress that brings together students and young doctors in the field of biomedical sciences, with a focus on science in medicine. The project was established in 2000 in collaboration between EMSA Zagreb and SSSLC Zagreb. Since then, it has been held every year in November with increasing participation from all over Europe and the world. The summit lasts for 4 days and includes a rich scientific and social programme. The number of participants is around 70 annually, and they can participate actively by presenting papers or passively by participating in workshops and lectures. All abstracts are published in the Book of Abstracts,

which is printed as a supplement to the journal Liječnički vjesnik (Eng. Physician's Newsletter). The best-rated scientific paper has the opportunity to be published as a "full text" in Liječnički vjesnik, a widely cited medical journal. The congress also includes guest lecturers, professors from the School of Medicine in Zagreb. In addition to lectures, participants have the opportunity to participate in practical workshops related to clinical skills (e.g., surgical suturing workshop, first aid workshop, ECG reading workshop, etc.). The social programme includes organized sightseeing of the city of Zagreb, a one-day trip, and daily evening programmes aimed at bringing participants together and introducing them to the beauties and culture of Croatia.

Teddy Bear Hospital (<https://www.facebook.com/bolnicazamedvjedice/>) is a project aimed at eliminating the fear of white coats in preschool children, which arises due to unknown and often unpleasant circumstances in which a child finds themselves during their first encounters with illness, doctors, and other healthcare professionals. Through specially designed interactive workshops, the project aims to familiarize children with the work of doctors, the functioning of a medical office, and basic procedures and medical equipment used by doctors during examinations. In this way, we prepare the youngest for the situation in which they themselves will be ill and in need of a doctor's examination and try to reduce the potential fear that may arise at that time. During the workshops, medical students of all years participate, developing their communication skills and building a quality relationship between children and healthcare professionals. In addition to the above, special attention is focused on educating children about health. Workshops are held several times a month throughout the year in various kindergartens in the City of Zagreb and Zagreb County, and once a year, a large Teddy Bear Hospital is organized in Zrinjevac Park in collaboration with numerous partners.

The Clinical Skills Event (CSE) (<http://usfmbh.wixsite.com/cpsa/klinike-vjetine>) is the youngest project of EMSA Zagreb, organized in collaboration with the student association CPSA (Croatian Pharmaceutical Students Association). The competition is designed as a mutual test of knowledge and skills among 10 teams, each consisting of 5 students: 2 medical students, 2 pharmacy students, and 1 medical biochemistry student. It takes place over two days, with the first day including lectures on the competition's theme, explaining the rules of the competition, and reviewing a trial case. On the second day, the competition itself takes place, with participants randomly divided into teams. Together, they must use their collective knowledge and skills to solve an interesting clinical case. The top 3 teams according to the committee's scoring qualify for the oral part of the competition. In front of the committee, they present the case and answer additional questions, explaining the reasons for their therapeutic decisions. The best teams are also rewarded. Participants demonstrate their knowledge and resourcefulness, and most importantly, teamwork and joint decision-making in making diagnostic-therapeutic decisions. The idea behind organizing this competition is to emphasize the need for multidisciplinary and teamwork in these professions.

### 14.2.3. SportMEF

The Sports Association of the Students of the School of Medicine - Zagreb was established in 2008 as an extension of the Student Sports Society of the School of Medicine. The association is comprised of students of the School of Medicine who demonstrate both sports and organisational affinities. The goal of the association is to promote and develop healthy lifestyle habits, engage in activities aimed at preserving health in the population, promote and protect humane ideas, ethical principles, and human rights, organize humanitarian, cultural, and sports events, promote and develop sports activities at the School of Medicine, promote sports culture

and science in sports, foster a sense of belonging, contribute to the development of responsible medical students and future physicians, cultivate a friendly and competitive spirit among members, and collaborate with other student communities and sports societies.

Students promote these values as members of one or more sports societies, including athletics, judo, basketball, football, volleyball, swimming, handball, table tennis, chess, tennis, water polo, and rowing. The association's projects are a significant part of its activities, with the most important ones being 162 Stairs, SportMEF Futsal Tournament, and Humanijada.

162 Stairs is a traditional road race held to promote health and sports as a prevention measure for cardiovascular and other diseases, as well as to encourage physical activity as a fundamental factor for health.

The SportMEF Futsal Tournament aims to encourage sports activity and promote sports as a healthy lifestyle, as well as to make good use of the free time students have. Through the tournament, participants improve their health through play and entertainment, presenting sports as a vital factor in maintaining well-being.

Humanijada is an international sports-educational meeting of biomedical faculties. The association collaborates with other student communities and individuals involved in our medical calling. Participation in Humanijada helps develop team spirit, strengthen self-confidence, relieve stress, and foster a sense of responsibility towards each other and one's health.

In addition to these projects, an integral part is participating in the University Championship of the City of Zagreb, where medical students have been involved since the academic year 1992/1993. In this way, we promote a sense of belonging to the School of Medicine, foster team spirit, and develop friendly relationships with students from other higher education institutions.

#### 14.2.4. StEPP association

The student association operating at the University of Zagreb School of Medicine, StEPP, has as its fundamental goal to raise awareness about the importance of understanding the theory and practice of first aid and pre-hospital emergency medicine, both among medical professionals and in the broader community.

To achieve its goal, StEPP brings together students of medicine and dental medicine. Through socializing and teamwork, association members acquire knowledge and practice essential skills for saving human lives. Subsequently, they share their acquired knowledge with colleagues and medical laypersons through workshops, half-day, full-day, and two-day educational events. Through continuous efforts, we have educated more than 3,500 students and medical laypersons.

By setting an example and sharing experiences, along with collaboration with other student associations and societies, we aim to inspire every individual, especially participants in our education programmes, to selflessly share and pass on the knowledge and skills they have acquired. Members of the StEPP Association contribute to their personal development as future healthcare professionals, while also forming new friendships and gaining unique experiences during their studies in a positive, enjoyable, and open environment.

More information about the StEPP Association can be found at:

<https://www.facebook.com/stepp.fast/>.

### 14.3. Student societies

- Student Society for the Promotion of Nutrition and Health: <https://shorturl.at/lxKR6>
- Student Society for Infectious Diseases: <https://shorturl.at/ehmz5>
- Student Society for Anaesthesiology and Resuscitation: <https://shorturl.at/ajtHI>
- Student Society for Orthopaedics and Traumatology: <https://shorturl.at/HQ245>
- Student Society for Cardiology: <https://rb.gy/ku5wq>
- Student Society for Otorhinolaryngology and Head and Neck Surgery: <https://rb.gy/8pbcy>
- GYRUS: <https://rb.gy/j9pfo>
- Student Society for Gastroenterology and Hepatology: <https://rb.gy/g5ssr>
- CroMSIC Zagreb: <https://rb.gy/uv2j3>
- Student Society for Dermatovenereology: <https://tinyurl.com/ynk5eprz>
- Student Society for Voluntary Blood Donations and Transfusion Medicine: <https://tinyurl.com/2p948w6v>
- Student Society for Public Health Andrija Štampar: <https://tinyurl.com/mr2zdn3y>
- School of Medicine Choir *Lege artis*: <https://tinyurl.com/c2snda4f>
- Student Society for Oncology and Immunology: <https://tinyurl.com/bp9bsef6>
- Student Society for Surgery: <https://tinyurl.com/5nm8tdum>
- Student Society for Innovations in Medicine: <https://tinyurl.com/mrxcx8fv>
- HIPOKART: <https://tinyurl.com/4773duxn>
- Student Society for Paediatrics: <https://tinyurl.com/2srzh5kz>
- MEDICINAR: <https://tinyurl.com/yc7mvwdx>
- Student Society for Neuroscience: <https://tinyurl.com/m9v6rhy4>
- Student Society for Psychiatry: <https://tinyurl.com/288zar8k>
- Student Society for Hypertension: <https://tinyurl.com/29ufaua7>
- Student Society for Emergency Medicine: <https://tinyurl.com/yu9k4b4w>
- Student Society for Gynaecology and Obstetrics: <https://tinyurl.com/29ac4x8s>
- Student Society for Radiology: <https://tinyurl.com/yckmzypz>
- MEF Mountaineering: <https://tinyurl.com/4wvw4zk3>
- Student Help Line for Rare Diseases: <https://tinyurl.com/rmbe5f89>
- Student Society for Pathology: <https://tinyurl.com/k9pymkhn>
- Student Society for Endocrinology: <https://tinyurl.com/mr3hrhyu>

## 14.4. Useful contacts for students

### 14.4.1. Libraries in Zagreb

National and University Library, Hrvatske bratske zajednice 4, tel. +385-1- 6164 111

August Cesarec, Radauševa 7, Ravnice, +385-1-2318 729

August Cesarec, Maksimirska 13, +385-1-2313 066

City of Zagreb Library knjižnica, Starčevićev trg 6, +385-1-4572 344

Marija Jurić Zagorka, Krvavi most 2, +385-1-4813 993

Marin Držić, Avenija Vukovar 222, +385-1-6151 697

Novi Zagreb, Ul.B.Magovca 15, Travno, +385-1-6604 088

Tin Ujević, Avenija Vukovar 14, +385-1-3095-221

Vladimir Nazor, Ulica grada Mainza 37, +385-1-3703 414

### 14.4.2. Cultural and information centres

Austria (Austrian Cultural Forum), Ivana Gundulića 3, +385-1-4881 250

British Council, Ilica 12/I, +385-1-4899 500

Mediateka (French Library), Petra Preradovića 5, +385-1-4883 570

Institut français (French Institute), Preradovićeveva 40, +385-1-4855 222

Goethe-Institut, Ulica grada Vukovara 64, +385-1-6195 000

Iranian Cultural Center, Tuškanac 65, +385-1-4834 171

Italian Cultural Institute, Preobraženska 4, +385-1-4830 208