



Year Book

Semmelweis University

Faculty of Medicine • Faculty of Dentistry • Faculty of Pharmaceutical Sciences
Faculty of Health Sciences • András Pető Faculty

2026 / 2027

Budapest

www.semmelweis.hu

“Medical students can only be prepared for patient care
when practising by hospital beds;
Not only the teachers explaining diseases will teach them then,
but diseases themselves...
Let theory be combined with practice as it is in real life,
and make students visit sickhouses once they
are studying to be medical doctors;
also have them take care of patients with all the
knowledge that is expected from doctors.”

Lajos Markusovszky (1815-1893)

YEAR BOOK

SEMMELWEIS UNIVERSITY



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Detailed history of Semmelweis University

I. The history of the Medical Faculty (1769-1951)

The Nagyszombat (now Trnava) university founded in 1635 by PÁZMÁNY Péter archbishop of Esztergom and the former Jesuit order institution was given a royal rank during Maria Theresa's reign and turned from a truncated university to a real one with the addition of the missing fourth faculty, the Medical Faculty. All of the above formed an integral part of the comprehensive, imperial level reform process with the recognition in the background that health care is a key interest of the state and requires a high level of public intervention. The plans of the Medical Faculty in Nagyszombat was elaborated by the royal physician of the queen, the Dutchman Gerard van Swieten, based on the Medical Faculty in Vienna reformed by him as well. Organisation started with the decree of Maria Theresa dated on 7 November 1769. Before this, the whole university had received a royal rank with a royal charter on 17 July that year. To host the new faculty, a separate building was constructed according to the plans of Franz Anton Hillebrandt, which was completed in May 1772. Education was able to start in 1770, first with five faculties: Physiology and Pharmacology (PRANDT Ádám Ignác), Anatomy (TRNKA Vencel), Surgery (PLENCK József Jakab), Botany and Chemistry (WINTERL Jakab József) and General Pathology (SHORETITS Mihály), i.e. the actual clinics. Due to the lack of an own clinics, the education of general pathology faced severe difficulties, and the lack of the corpses and the botanical garden was also a great problem. By moving the university to Buda in 1777, these problems seemed to be solved.

The Ratio Educationis I issued simultaneously with the transfer to Buda modified the management of the University. The consistory considered as the representative of the state, which had been heading the university since 1767, was replaced by the university council (senate), however, practically with the same members. The magistratus academicus re-elected every year, which administered mostly the ritual issues, remained on. To lead the whole institution, a president and a director general and to lead the faculties, faculty directors (faculty presidents) were elected. A bit later (in 1786), Joseph II deleted this position (except the Medical Faculty) and their scope of authority was taken away by the previously marginalised deans. This time, the method of appointment of the tutors was also regulated. Based on the opinion of the faculty, the senate submitted

a proposal to the king who decided on the appointment through the Royal Council of Governors.

It was on 25 March 1780 when Maria Theresa issued the Diploma Inaugurale, called as the "Magna Charta" of the university, in which she set among other general regulations the legal status of the university and the financial basis of the maintenance thereof. The successor of the Queen, Joseph II was also dealing with the fate of the University. During his personal visits he decided on the translocation of the institution to Pest, which took place in 1784. The Medical Faculty found a home in a former Jesuits' monastery at the corner of Hatvani (now Kossuth Lajos) and Újvilág (now Semmelweis) streets. The frequent relocations held back educational activity, since the majority of resources was directed to the establishment of the conditions. The rapidly developing Pest provided a larger and more diverse patient population than before and the number of clinical beds also increased up to 16. The reconstructed building of the monastery proved to be small for the growing number of departments (Theoretical Medicine, Natural History in 1784; Veterinary in 1787; Public Medicine and Special Medical Studies in 1793; Theoretical Surgery in 1808; Obstetrics in 1812 and Ophthalmology in 1817) and the increasing number of students. Practical Training was strongly held back by that contrary to the international practice, the clinics were located not in the city hospital, but in the building of the faculty, therefore, there was no possibility to regularly change the patient population necessary for education. Although there were many attempts by the faculty to involve the Saint Roch Hospital to expand the institutions of the faculty, they were systematically rejected due to the resistance of the city magistrate. Contrary to this, from the 20's, the clinical trend emphasising practical education was established, the main representative of which was BENE Ferenc, the introducer of vaccinations against pox.

Initially, based on the idea of van Swieten, the duration of the medical training was not regulated. First, a decree in 1774 determined the training period of physicians to be 5 years and according to the study regulation in 1786, it became 4 years. After tightening the examinations, the mutual recognition of medical diplomas had been valid since the reign of Joseph II (the principle of the so-called conformetur), at least as regards Vienna-Prague-Cracow-Pest. In

1804, Vienna left this agreement and obtained a privilege against the others. The surgeon master and civil surgeon training were 2 years long, while the pharmacist training was of 1 year. Midwives were trained in short courses started each semester. In 1787, the Veterinary course joined as well.

The end of the century, showing a vivid university life was replaced by the retrograde mentality of the era of Francis I. This is reflected by the Ratio Educationis II in 1806, created in the spirit of centralisation and the deprivation of the freedom of education, which was dealing with the Medical Faculty in a much deeper level than the previous one. It stipulated in details the teaching material and the obligations of the professors, it updated the order of the education and comprehensive exam and increased the length of education to 5 years. The president (praeses universitatis) executing the intent of the government and his deputy and the vice president (vice-praeses) who was at the same time the chancellor of the university played a key role in the management of the university. The university magistrate consisting of rectors, deans and seniors had only limited power. At the end of the 1810's, even the faculty director position was reset, however, the professional supervision of the Medical Faculty was exercised by the national chief medical officer.

As in terms of the French revolutionary ideas feared by the government, medical training was a neutral area, at the beginning of the 19th Century, this was the only faculty able to perform considerable scientific activity and more significant developments. Contrary to the efforts, the substantial conditions of education became worse and worse due to overcrowding and the increasing demands. The devastation of the icy flood in 1838 increased on the problems in an extent that even the parliament was dealing with the situation of the Medical Faculty.

Under these narrow circumstances, the tutors of the faculty tried to keep up with the pace of international medical science which started to develop and specialise that time. In the light of the above should one consider that overtaking Vienna, Pest was one of the first cities to found an individual faculty of veterinary in 1793, which included the contracted forensic medicine and public health as well. Vaccination against pox has been applied in Hungary since 1799 and in 1824, headed by GEBHARDT Ferenc, a Central Vaccination Institute was established within the Medical Faculty. One of the most significant scientist of his era, KITAIBEL Pál was also among the tutors of this faculty. The Institute of Pathology founded in 1844 by ARÁNYI Lajos was one of the oldest similar institution in the world. At the beginning of 1847, only few months after the first experiment in the Massachussets Hospital, Balassa tried anaesthesia with ether. The first anaesthetic surgery was performed few days later by SCHOEPF-MEREI Ágost. The faculty was continuously playing key role in the fight against the great Hungarian epidemics (typhus, yellow fever, pox and the cholera leading to riots in 1831 and 1848-49).

The medical and surgical training courses were taught in Latin from the beginning. Education in Hungarian was first dealt with at the end of the 18th Century. RÁCZ Sámuel, who was the fifth professor of the medical faculty in 1793/94 to hold the position of rector, issued the first Hungarian physiology book in 1789 with the title "A physiologia rövid sommája" (Short summary of physiology), which was considered as the first Hungarian university textbook as well. In 1830, law allowed the use of Hungarian language and 3 years later, the first doctorate was written in Hungarian by FLÓR Ferenc and in 1844, Hungarian became the official language. Contrary to the national partiality of the tutors, the education in Hungarian was accepted by the Medical Faculty with reservations, since many of the students – and even some of the tutors – did not speak Hungarian and the Hungarian medical language was practically missing. Finally, the Hungarian as the language of education was introduced in 1848. The lower degree courses (surgeon master, midwife, veterinarian had been held in the

national languages since the beginnings, i.e. in Hungarian, German and Slovakian.

In the legal code of April 1848, a separate article (Art. XIX, 1848) was dealing with the university and promulgated the independence of the university and the principle of liberal freedom of education. The majority of the tutors and students actively took part in the freedom fight. Therefore, the reprisal after the surrender severely affected the tutors of the university. Many were forced to go to prison (BALASSA János), to hide (BUGÁT Pál) or to emigrate (e.g. SCHOEPF-MEREI who later founded a children's hospital in Manchester). Certification procedures were performed, the tutors might hold their position depending on their loyalty and authority harassments were permanent. Tutors loyal to the emperor, but often of secondary level were employed by the faculty. At the time of the absolutism, the language of education and administration became the German instead of the Hungarian. Instead of the educational order of 1848, in the spirit of the "conformetur" principle, the Vienna order of 1833 was introduced. At the same time, there were modernisations as well. In this way, the secondary school maturity became obligatory and the faculty director position was deleted. Although experts were trained still in 9 faculties, the surgeon master course slowly faded and based on the pattern in Lemberg, Olmütz and Salzburg, this training was suspended also in Pest. In 1872, the guilds were also dissolved. As regards the language issue, a shift occurred only after the large foreign policy defeat of the royal court. In 1859, a delegation of students went to Vienna to restore the Hungarian language. In 1860, the right of autonomous rector and dean election was extended also to the university of Pest. As a result of the October Diploma, the main subjects were taught in Hungarian and the others in German, Slovakian or Latin depending on the demands. Finally, it was the Article XLIV of 1868 after the Austro-Hungarian Compromise to reinstate the Hungarian language. This time, many tutors not speaking Hungarian left the university, e.g. the outstanding physiologist, Jan Nepomuk Czermák resigned as well contrary to the efforts of his Hungarian colleagues to make him stay.

The harmonised medical training was introduced in 1872, thus, since 1878, only one medical diploma has been existed with the name "doctor of the universal medical sciences". The new university decree in 1875 determined the order of the new and universal medical doctor comprehensive exam in addition to the provision of the freedom of education and the autonomy. In 1881, the duration of the academic year also changed. Earlier it had been between November and August and since that time, it has been between September and June.

Due to the poor facilities, the main problem of the medical faculty was the lack of space. Although in 1848, the clinics were transferred from the Újvilág utca building, it proved to be only temporary, since after the suppression of the freedom fight, they returned there. The Saint Roch Hospital refused on to host the clinics and the capital failed to provide a site for the constructions for a long time. The acquisition of the Kunewalder house (located that time in the Országút, today in the Múzeum körút) in 1858 was a temporary relief that time, which was originally bought for the Institute of Veterinary. The surgery (Balassa), the zoology, the physiology and the obstetrics headed by Semmelweis that time were able to move here. The administration of the faculty and the library got temporary home in buildings nearby. A real solution was brought only by the large-scale constructions started in 1873 with a cost of 25 million kronas, which were finished only in 1911. This time, the Üllői út considered that time as a rather outer belt area became the axis of the Medical Faculty, where the clinics, the institutions and the administration were located in two sites. Simultaneously, new, often parallel departments sufficiently equipped in the level of the era were established one after the other. The number of such departments almost quadrupled until the 1880's. In these still unique developments, EÖTVÖS József and TREFORT Ágoston ministers of the Ministry of Religion and Public

Education, BERZEVICZY Albert state secretary, MARKUSOVSKY Lajos councillor and on behalf of the Medical Faculty BALASSA János, KORÁNYI Frigyes and the later secretary of state, TÓTH Lajos played key role.

With the rapid development of the clinics, the catch-up of the lagging behind was successful. Parallely to the constructions, the “medical school of Budapest” became clear around Balassa having launched a medical weekly “Orvosi Hetilap” and Markusovszky. As an effect of Semmelweis, this was the place where the deliberate prevention of surgical infections was started. Public health was among the first to get a department in Budapest, headed by the outstanding bacteriologist, FODOR József. By continuing the work of Schoepf-Merei and Sauer, KORÁNYI Frigyes was the one to begin the establishment of a Hungarian internal medicine school on a state-of-the-art foundation. His work was carried on by his son, Sándor. JENDRASSIK Ernő, named also as the Hungarian Charcot was one of the founders of neurology, DOLLINGER Gyula was that of orthopaedics and TAUFFER Vilmos was that of the surgical obstetrics and gynaecology. LUMNICZER Sándor, the founder of modern surgery was the first to use the Lister’s system of antiseptis. Owing to the work of SCHULEK Vilmos, GRÓSZ Emil and IMRE József, Hungarian ophthalmology became this time famous throughout Europe. As regards paediatrics, the Bókays and KOPITS Jenő, the international expert of hip dislocation deserve mention. The first director of the Hungarian Pasteur Institution, HÖGYES Endre set the foundations of the later Nobel prize winner invention of BÁRÁNY Róbert. With the research of the fine structure of the nervous system, the anatomist LENHOSSÉK Mihály achieved the recognition of his Nobel prize winner colleague, Santiago Ramón y Cajal who considered him as his fellow during the creation of neuron studies. In stomatology, the work of ÁRKÖVI József, while in pharmacology, that of BALOGH Kálmán were outstanding. In 1907, the Radiology got a separate institute headed by the founder of radiology in Hungary, ALEXANDER Béla. Physiology became a modern science in the Medical Faculty owing to the outstanding Czermak of Czech origin. He was followed by JENDRASSIK Jenő whose aim was the foundation of the modern Hungarian physiology school.

The number of students drastically increased. In the 1860’s, their number was between 400-500, while in the 1880’s, it exceeded 1000. In the 1860’s, the first student associations were established. In 1862, aid society and 5 years later, a self-education association was founded. The end of the century was the first time when the issue of the admission of women arose. The medical faculty had generally a rejecting opinion thereabout. The first Hungarian female physician, countess HUGONNAY Vilma succeeded to achieve the recognition of her diploma obtained in 1879 only after 17 years of administrative struggling. In 1895, a decree made it possible for women to participate in trainings and practices in humanities, medical studies and pharmacology. The first female physician graduated in Budapest, STEINBERGER Sarolta was inaugurated on 3 November 1900. A real change in the training of female physicians was brought only by the world war.

During the World War I, the majority of the students and the tutors joined the army and the half of the beds the number of which increased to 2000 were maintained for the injured. The change to war industry and the economic exhaustion of the Monarchy drastically decreased the financial supply of education and also of the university. The war almost eliminated the students, however, after their disarmament, there was a dumping. Compared to the last year in peace, more than twice as many (6526) medical students wanted to continue their interrupted studies.

The revolution and the dictatorship of the proletariat triggered further chaos in 1918-19. The university was made subject to stringent central administration and there were significant transformations. There were changes in the personnel and the tutors considered as right

wing were deprived of their positions. During the short existence of the Council Government, its measures could not be long-lasting. By rising to power of the counterrevolution, the faculty council qualified the events after 31 October 1919 as “ex lex” and further changes in personnel and certification procedures were started. Tutors were removed from the faculty, among others HEVESY György, one of the founders of nuclear medicine who later won the Nobel prize abroad or the outstanding ophthalmologist, GRÓSZ Emil, but his removal was only temporary.

From the annexed areas, a smaller migration started to the remaining “Mutilated Hungary” and especially to Budapest. Mostly the state-employed intellectuals (public officers, physicians, teachers etc.) were forced to migrate, partly as their job was linked to the language and partly as they could have been hardly employed by a newly settling foreign state. The largest overcapacity was experienced in the field of physicians, mostly in Budapest, therefore, the fight for making a living was quite harsh. In addition to the too large number of students and the experience from the revolutions, this was also a reason of the issue of the Act XXV of 1920 also known as “numerus clausus”, the initiation of which just started from the Medical Faculty of Budapest. The point of this act was to tighten the conditions of the admission to university, with which on the one hand, they tried to decrease the number of students in further education and on the other they tried to exclude anyone who had taken part in the revolution and to limit the number of Jewish students. This latter affected especially the Medical Faculty, since as it was a course of open access, many Jewish youngsters have selected the medical profession since the beginning. On the other hand, this act was beneficial for the spread of protectionism. At the same time, the faculty tried to block the admission of women as well. On 14 April 1921, the university in Budapest took the name of its founder, PÁZMÁNY Péter and had this name until 1950.

The economic crisis aggravated on by the mutilation of the country led to a financial crisis for the university it had never experienced before. The situation had just begun to normalise when the crisis in 1929 resulted again the decrease in the financial resources spent on education and health care. Unemployment appeared among the physicians as well, the workforce reduction in the university exceeded 10%, the investments stopped and the quarter of the beds had to be left empty due to financial reasons. The number of students sharply decreased as well (in 1925-26 there were 1729, in 1930-31 only 1234 students), contrary to the international trends.

The reform of the medical training which had been on agenda for a long time was introduced in 1922. As a main principle, the researcher and practising physician trainings were in focus. The duration of the education increased to 6 years instead of 5, the comprehensive exams were separated in four cycles and the number of the courses announced was also increased. Later, the system of comprehensive exams was modified on, but it was entered into force only in 1943. In 1936, the classification of the diplomas changed. This was the time when the qualifications used even today, i.e. the rite, the cum laude and the summa cum laude were introduced. After a long time, also the pharmacist education was renewed by increasing the duration of the education from 2 years to 4 and by decreasing the practice from two years to one. Thereafter, the start of the pharmaceutical studies was not linked to a prior practice in a pharmacy, but after the maturity exam, one could immediately enrol.

Between the two world wars, internationally acknowledged schools were operating in the Medical Faculty, such as the school of KORÁNYI Sándor who developed on the school founded by his father. Among his results, the elaboration of the functional examination methods of kidney and the reduction of tuberculosis are outstanding. Many of his students became academicians and heads of department, such as RUSZNYÁK István, HETÉNYI Géza and HAYNAL Imre. The research on cancer made by KROMPECHER Ödön who described

the basocellular cancer, that on nucleins, complementaries and enzymes by LIEBERMANN Leó or that on morphology by SCHAFFER Károly were significant. As regards pathoanatomy, BUDAY Kálmán clarified the pathogenesis of necrotic stomatitis and mellitis. In microbiology PREISZ Hugó, in biochemistry HÁRI Pál, in physiology FARKAS Géza and in biology HUZELLA Tivadar can be mentioned. In the fields of clinical medicine, the paediatrician HEIM Pál, BÓKAY János and BÁLINT Rezső, the surgeon VEREBÉLY Tibor and the ophthalmologists GRÓSZ Emil and BLASKOVICS László were the outstanding experts of their fields.

Apart from the military duty affecting the tutors as well and the care of the injured, the World War II had not trigger any special disturbance in the life of the Medical Faculty until 1944. With the approach of the front, the majority of the tutors were deployed. The rise to power of the Arrow Cross Party on 15 October 1944 posed new threats on the university and thus, the Medical Faculty as well. Contrary to the categorical order of the government, the university denied to move to Germany. Afterwards, there were plans to transfer the clinics and laboratories to Buda, however, they were mostly thwarted partly due to the repeat resistance of the faculty and partly due to the difficulties in transportation. Before the closure of the shell of fortress lines, the engineering, medicine, pharmacy and veterinary senior students were carried to Germany with a military call-up, i.e. the representatives of every programme considered as important regarding the continuation of the war. In this way, about 600 medical and pharmacist students from the Medical Faculty Budapest were settled partly to Halle and partly to Austria with some of the education staff. They succeeded to return only after the war among huge difficulties and with the mediation of the university, with American passport.

Together with the city, the faculty was also heavily hit by the siege of Budapest. The damage in the buildings were enormous (four clinics were severely hit) and the majority of the equipment was also destroyed. The total damage was around 13 million golden pengő (at 1938). The largest devastation affected the Internal Medicine II, the Gynaecology I, the Dermatology, the Surgery II and the Paediatric Clinics, but several other buildings were damaged as well. This was aggravated by the freezing of the drainage system and the plundering affecting the whole city. Contrary to all these, the clinics were operating even in case of the siege, often under impossible circumstances. Even the Institute of Physiology and

the Pathoanatomy department started to perform the care of the injured.

After the war, the tutors were significantly changed according to the taste of the new political forces having the power. The main tool of this was the certification procedure. It describes the ratios well that against 15 out of the 27 regular tutors of the medical faculty, procedures were launched or they were dismissed with various sanctions. In addition to this, in January 1945, IMRE József professor died which led the Ophthalmology Clinic to get empty. In addition to them, 6 honorary extraordinary tutors, 17 private professors and 11 physicians were dismissed. Out of the physicians above, 44 were still in Germany with the students carried there.

From June 1945 until his emigration, the Nobel Prize winner professor SZENT-GYÖRGYI Albert was among the tutors of the faculty, who was that time the head of the Department of Physiology and Medical Chemistry. From 1945, there was a sharp increase in the number of the students, which exceeded multiple times the capacity of the faculty, therefore, from 1947/48 onwards, they were forced to introduce admission examination. After the rising of the Communist Party to power, one of the most important factors became the origin of the candidate, therefore, the social composition of the students significantly changed. Soon, almost 25% was the ratio of the students from worker or pawn origin. The National Association of Peoples' Colleges was founded and from the academic year 1951/52, the Scientific Students' Association movement was introduced based on Soviet pattern. In 1948, education was reformed again. The examinations were tightened, education turned more pragmatic and the medical chemistry and physics were included into the curriculum, in addition to the biology in 1950. Due to political reasons, the Marxism and Leninism, the Russian language and the national defence knowledge were also added.

In this period, multiple hospitals were attached to universities by forming clinics. Therefore, the number of beds increased to 3167 in 1955 from the 1178 in 1946. In parallel, specialisation was going on within the disciplines, which led to further separations in the clinics as well. Areas with larger and larger costs entered into research, therefore, fallback behind the rich countries was evident. This was worsened on by the isolation policy in the 1950's when there was Soviet influence also in science.

II. History of the separate Medical University: BOTE, SOTE (1951-2000)

After 1949, the Hungarian higher education underwent consecutive reforms. Due to the fight against churches, the name of the university was modified, therefore, instead of its founder, PÁZMÁNY Péter, the university got the name of one of its most prominent scientist tutors, EÖTVÖS Loránd on 1 September 1950. At the end of 1950, the Council of Ministers discontinued the former practice and traditions and decided the creation of specialist universities subject to the sectoral ministries. They wanted to reach it partly by founding new institutions and partly by the division of the currently existing ones. During the reorganisation, the Soviet higher education system of the 1930's was taken as example, disregarding that since that time, this had been significantly modified also in the Soviet Union by resetting the unified management of higher education. The deadline of the completion of the action was planned to be on 1 February 1951. Within the framework of this, the medical faculties of the universities were separated and transformed into separate specialist universities. In a parallel way, the new medical universities were subordinated not to the Ministry of Religion and Public Education, but the newly formed

Ministry of Health. Therefore, from 1 February 1951, the Faculty of Medicine of the Eötvös Loránd University continued its operation as a separate Medical University of Budapest.

In 1955, the organisational transformations went on. Within the University, 3 faculties were formed (with their former names: Faculty of General Medicine, Faculty of Dentistry and Faculty of Pharmacy). On 1 September 1955, the rectorate was established. The pharmacist training was transferred permanently to the medical university from the Eötvös Loránd University back in 1951 and in 1952, the dentist training of new system was started. Finally, on 7 November 1969, for the 200th Anniversary of the Faculty of Medicine, the university took the name of SEMMELWEIS Ignác.

Separation had, however, some disadvantages as well. From certain aspects, the distance from the humanities and the Faculty of Sciences led to drawbacks for the medical profession. The everyday life of the new university was made more difficult by that it had

only the narrowest professional institutes and the conditions for the cultural and sports life or the rooms suitable for hosting large events were missing. They were able to be terminated only by the large investments of the 1970's. After the separation of the university, the separation from the BEAC university sports club also took place to form the Orvosegyetem Sport Club (OSC, Medical University Sports Club). The fencers and waterpolo players of the OSC have been the regular and successful participants of the Olympic Games and world championships.

The prints of the war had not even disappeared when as a protest against the communist power, the revolution broke out on 23 October 1956. In the student movements, the students of the medical university also took place and after the breaking out of the armed fight, the role of our university aimed mostly at the care of the injured, since our institutions were in the centre of the war in Budapest. The staff of the affected clinics and institutions exhibited superhuman and heroic withstand multiple times. Further buildings were damaged and the most severely hit building was the Dermatology clinic. The reprisal after the communist restoration did not avoid our university either. The victim of this reprisal was the innocently slandered and executed TÓTH Ilona senior physician student who is considered today as the martyr of our university.

After consolidation, the emerging external relations from the 1960's facilitated us to keep up with the scientific international profession. In the following decades, serious developments were performed as well. The most important of them were the reconstruction of the Dermatology clinics demolished in 1956, the huge theoretical building finished in 1978, the Ophthalmology clinic I and the delivery of the Transplantation and Surgery Clinics in the beginning of the 1990's. In the clinics, healing and education took place this time with more than 3100 beds.

The increase of the ratio of the international students has started to grow since the 1970's. This time, they arrived mostly from the developing countries and mostly from the so-called democratic countries. Education in German language started in 1983 and after an experiment in 1987, the regular education in English language started in 1989.

The Act LXXX of 1993 on Higher Education made it the task of the universities to prepare for scientific degree and to award the PhD degree, based on which the Semmelweis University got its Doctoral School accredited in the same year and until 2018, it started 47 programmes.

III. The history of Semmelweis University (2000–2026)

At the end of the 1990's, the transformation of the Hungarian higher education network was put on agenda with the aim of institutional integration. The final stage of this process was determined by the Act LII of 1999 on the Transformation of the Higher Education Institutional Network. Accordingly, even in July that year, three universities (the Semmelweis University of Medicine, the Haynal Imre University of Health Sciences and the University of Physical Education) elaborated the plan of the organisational, operational and financial policy of the university to be created, together with the call for application for the rector and the director general. After the preparatory work, on 1 January 2000, Semmelweis University was established by the merger of the Semmelweis University of Medicine, the Haynal Imre University of Health Sciences and the University of Physical Education, which consisted of the following faculties: Faculty of General Medicine, Faculty of Health Sciences, College Faculty of Health, Faculty of Dentistry, Faculty of Pharmacy and Faculty of Physical Education and Sport Sciences. From this group, the Faculty of Health Sciences of the Haynal Imre University of Health Sciences was removed and based on a governmental decree, it ceased to exist. (The successor of the Haynal Imre University of Health Sciences was the new organisation, the National Medical Centre formed from it, which was known as Szabolcs utca Hospital until its closure in 2007.) The College Faculty of Health of the Haynal Imre University of Health Sciences remained on the part of the university, which continued its operation from the end of 2001 with 5 faculties: Faculty of General Medicine, College Faculty of Health (from 2007 with the name of Faculty of Health Sciences), Faculty of Dentistry, Faculty of Pharmacy and Faculty of Physical Education and Sport Sciences. In its decision no 62/2008 on 29 May 2008, the Senate of Semmelweis University decided to found its sixth faculty, the Faculty of Health and Public Services with the participation of three institutions working in the border of natural sciences and social sciences, i.e. the Health Services Management Training Centre, the Institute of Mental Health and the Institute of Health Informatics, Development and Further Training. The faculty started its activity in January 2010 and the inaugural meeting of the Faculty Council was held on 21 April 2010. The new faculty has mostly social science orientation, however, it integrated interdisciplinary trainings at the border of sciences. With its programs, it covers

the whole educational spectrum including the basic training, the master training, the doctoral training and the postgraduate specialist training courses in the field of healthcare management, mental and community health and health informatics.

In addition to the structural reorganisation, the new millennium brought significant developments as well. In 2003, the College Faculty of Health succeeded to move to a new site instead of its earlier fragmentation (Óbuda, Újpest, Józsefváros), to the Vas utca close to the centre of the university, into the fastidiously renovated building of the former Pajor sanatorium and later Balassa János Hospital. The Educational Centre of the Faculty of Dentistry was built between 2006-2007 in the site of the Pátria printing house, in the Szentkirályi utca. Almost all of the clinics and departments of the faculty moved to this state-of-the-art building. In September 2008, the plan of a long-standing desire of a second theoretical building, back from the 1960's came true in the form of the Theoretical Medical Centre in the Tüzoltó utca, which won several architectural professional prizes. In the gross 27,000 m² of the building, there are research laboratories, study rooms, student laboratories, lecture rooms, a modern animal house and seven seminar rooms. The two latter investment was performed in the so-called PPP construction. Among the renovations of buildings, the multistage project of the Central Management Building (Üllői út 26) started in 2008 has to be mentioned, the first stage of which, the renovation, was finished in 2009 and the project was completed by the formation of the loft in 2012. The Ophthalmology Clinic in the Mária utca and the 1st Department of Pathology and Experimental Cancer Research were renovated in 2013. In the summer of 2012, the large-scale development of the Outer Clinical Site, the Korányi project was started, which is one of the most significant investment of the previous century of the university.

Between 2008 and 2010, Semmelweis University started three off-site trainings abroad. The first was the Asklepios Campus Hamburg, within the framework of which the students studying in German language continue their studies in the Hamburg campus according to the Hungarian curriculum, after the theoretical training in Budapest and they get the medical (M.D.) diploma of the

Semmelweis University at the end of the training. In cooperation with the L.U.de.S University, Lugano, Switzerland, the Italian and English language physiotherapy basic training (BSc) started in 2009, with the same curriculum as the one applied in Budapest. Following the successful MAB accreditation procedure completed in 2019, the first Master's program in Health Care Management was launched in 2020 as an off-site program in Bratislava. Based on the agreement concluded with Westpfalz-Klinikum Kaiserslautern in 2026, the Faculty of Medicine's second educational site in Germany will soon be established.

In 2010, Semmelweis University won the title of Prestigious Research University related to which it performed a large-scale tender with the title "Modern Medical Science Technologies in the Semmelweis University". Within the framework of a tender of almost 3 billion Hungarian Forints, outstanding results were achieved in five distinguished fields of research: personalised medicine, imaging procedures and bioimaging, bio-engineering and nanomedicine, molecular medicine and in the integrative educational module. The university won the Research University qualification for the period 2013-16 as well, which is still possessed.

In Hungary in 2011, Semmelweis University was the first among the medical universities to develop e-learning learning materials within the framework of a two-year Social Renewal Operational Program (TÁMOP) and the possibility became open to hold on-line examinations. Even in that year, the E-learning and Digital Content Development Centre was founded, which performs the coordination tasks of the development of the university learning materials.

In 2013, the Central Institute of Stomatology was terminated, the role of which was taken away by the Department of Community Dentistry within the university. This Department renovated in 2019 is the largest institute of the Faculty of Dentistry in terms of staff and floor area and in addition to the continuous patient care, it takes part in the education, specialist physician training and further education tasks as well. In 2014, the Thoracic Surgery Department was established, which is operating on the basis of the National Institute of Oncology. In December 2015, the first successful lung transplantation in Hungary was performed here.

On 1 September 2014, the Faculty of Physical Education and Sport Sciences spun off Semmelweis University and it continued its operation separately again, with the name of University of Physical Education.

In the end of 2014, similarly to many Hungarian institutes of higher education, with the introduction of the chancellor position, the management system of Semmelweis University was changed. Education, research and patient care are managed by the rector, while the tasks regarding the operation and the management of the university were transferred to the chancellor. From 2015, the management of the Clinical Centre of the university was taken by the vice-rector for clinical affairs from the rector. On 1 August 2017, the Pető András College and its part, the Institute of Conductive Education joined the University, which has been operating as the Pető András Faculty. In this way, the number of faculties increased to six again.

In 2018, the university celebrated the 200th anniversary of the birth of Semmelweis Ignác after whom the university got its name and with the solemn opening ceremony of the academic year 2019/2020, the jubilee year of the university starts, with which we pay tribute to the 250th anniversary of the foundation of the university.

As of 1 August 2021, Semmelweis University was placed under the administration of a public-interest trust foundation performing a public function, with the Foundation for National Health Care and Medical Education ("NEOA") as its sponsor.

In March 2022, the new five-story building of the Faculty of Health Sciences—covering more than 4,500 square meters and opening onto Szentkirályi Street—was officially opened; it was named after Zsuzsanna Kossuth, the country's first chief nurse. The new wing houses two grand auditoriums, as well as skill labs and classrooms designed to support hands-on training.

In June 2022, Semmelweis University's Da Vinci robotic surgery system—the fourth-generation Da Vinci Xi robot, representing the most advanced technology—was installed at the Department of Surgery, Transplantation, and Gastroenterology (STÉG). Robot technology is primarily used for abdominal, gynecological, and urological surgical procedures. In addition, thanks to its dual-arm design, it also plays a role in education. The first Da Vinci robot-assisted surgery took place at the university in May 2022.

During the academic year 2022/2023, the institution once again celebrated a significant anniversary: the 40th anniversary of the launch of its international medical training program. The German-language program began in 1983, and the English-language program was launched in 1989.

In the academic year 2023/2024, the joint Semmelweis University Doctoral School was established, where—following the merger of the formerly accredited schools—doctoral programs are offered in 11 departments.

As of 1 November 2023, the Gusztáv Merényi branch of the Southern Pest Central Hospital — National Institute of Hematology and Infectious Diseases was integrated into Semmelweis University; all traumatology care for the Southern Pest region was transferred here, and the Clinic of Traumatology was established as a new organizational unit through the merger with the Department of Traumatology.

As of 1 March 2024, the university's portfolio expanded further: the neurology and neurosurgery outpatient and inpatient services of the National Institute of Mental Care, Neurology, and Neurosurgery's facilities on Amerikai út (formerly OKIT), as well as the specialized general surgical, orthopedic, and rehabilitation care provided by the facility of the National Institute of Musculoskeletal Disorders located in Szanatórium utca, were integrated into Semmelweis University. As a result, the Department of Neurosurgery and Neurointervention and the Department of Rehabilitation were established.

On 1 March 2025, the Department of Rheumatology and Immunology of Semmelweis University was established through the full integration of the former National Institute of Rheumatology and Physiotherapy (OMINT).

Compiled by
dr. László Molnár–Zenina Sági–Pálma Dobozi



BENE Ferenc,
tutor of internal medicine
1775-1858



BÓKAI János,
tutor of paediatrics
1822-1884



BALASSA János,
tutor of surgery, the director of
the Medical Faculty in 1848/49
1814-1868



ARÁNYI Lajos,
the first tutor of pathology
1812-1887



SEMMELWEIS Ignác,
painted by THAN Mór
1818-1865



WAGNER János,
tutor of internal medicine
1811-1889



JENDRASSIK Jenő,
tutor of physiology
1824-1891



LENHOSSÉK József from 1864,
tutor of anatomy
1818-1888



GENERSIK Antal,
tutor of pathology
1842-1918



LUMNICZER Sándor,
tutor of surgery
1821-1892



MIHALKOVICS Géza,
tutor of anatomy
1844-1899



HÖGYES Endre,
tutor of general medicine
1847-1906



FODOR József,
the first tutor of the independent
public health
1843-1901



TAUFFER Vilmos,
tutor of obstetrics and gynaecology
1851-1934



KORÁNYI Sándor,
tutor of internal medicine
1866-1944



NÉKÁM Lajos,
tutor of dermatology
1868-1957



KROMPECHER Ödön,
tutor of pathology
1870-1926



HUZELLA Tivadar,
the director of the Institute of
Histology and Embryology
1886-1950



BALOGH Károly,
the first dean of the Faculty of
Dentistry
1895-1973



HAYNAL Imre,
the director of the Department of
Internal Medicine II
1892-1979



MOZSONYI Sándor,
the first dean of the
Faculty of Pharmacy
1889-1976



SZENT-GYÖRGYI Albert,
Nobel Prize winner,
tutor of biochemistry
1893-1986



BALÓ József,
tutor of pathology
1895-1979



SZENTÁGOTHAJ János,
neuroscientist,
tutor of anatomy
1912-1994

HONORARY DOCTORS OF THE MEDICAL FACULTY OF BUDAPEST DURING THE UNIVERSITY'S SCIENCE ERA

1895/96	Tivadar Károly, royal prince from Bavaria John Shaw Billings, professor from Philadelphia Rudolf Virchow, professor from Berlin Joseph Lister, professor from London Adolf Anders Retzius, professor from Stockholm Guido Bacelli, professor from Rome Pierre-Paul-Émile Roux, professor from Paris Károly Than, professor of Budapest	1930/31	Harvey Williams Cushing, professor of Harvard University in Cambridge
1899/1900	Tivadar Duka, chief doctor Col. Emeritus of the royal Bengal army of England, on the occasion of his 50th anniversary of operation	1934/35	Jenő Sipőcz, Lord Mayor of Budapest
1909/10	Albert Apponyi, Minister of Culture, on the occasion of the XVI. International Medical Congress held in Budapest	1935/36	Ferdinand-Jean Darier, Chairman of the French Society of Dermatology Anton Freiherr von Eiselsberg, professor from Vienna Karl Albert Ludwig Aschoff, professor from Freiburg August Krogh, professor from Copenhagen Granville Harrison Ross, professor at Yale University Charles Scott Sherrington, professor from Oxford Frederick Gowland Hopkins, professor from Cambridge Gustave Roussy, professor from Paris
1911/12	Heinrich Wilhelm Waldeyer, professor from Berlin, on occasion of his 50th jubilee as a doctor	1942/43	Károly Szendy, Mayor of Budapest
1914/15	Otto Karl Schjerning, professor of Berlin		
1928/29	Friedrich Schmidt-Ott, Minister of State of Prussia		

LIST OF PERSONS AWARDED WITH THE „DOCTOR HONORIS CAUSA” TITLE AT THE BUDAPEST/SEMMELWEIS UNIVERSITY OF MEDICAL SCIENCES

1967	Boris Vasilyevich Petrovsky (Soviet Union)		Ludwig Mecklinger (Germany)
1969	Pyotr Kuzmich Anohin (Soviet Union) Assen Hadyolov (Bulgaria) György Békéssy (USA) Vasily Vasilyevich Parin (Soviet Union) Daniel Bovet (Italy) Stefan Milcu (Romania) Karl Fellinger (Austria) Samuel Rapaport (Germany) Jules François (Belgium) Pyotr Grigoryevich Sergiyev (Soviet Union)	1988	F. Gotthard Schettler (Germany) László Ernster (Sweden) Jan Solich (Czechoslovakia) Dieter Schleger (Germany) Emeric Szilágyi (USA) Thomas P. Singer (USA) George B. Udvarhelyi (USA)
1972	Marcelino G. Candau (Switzerland)	1989	Douve D. Breimer (Netherlands)
1976	Britton Chance (USA) Leonid Semyonovich Persyanilov (Soviet Union) Tadeusz Krwawicz (Poland) Vasyl Vasilyevich Zakusov (Soviet Union)	1990	Yoshinori Nozawa (Japan) Walter Künzel (Germany) Herbert Oelshcläger (Germany) Jerzy Maj (Poland) Martin Reivich (USA)
1978	Uktam Aripov (Soviet Union)	1991	Friedrich Wilhelm Ahnefeld (Germany) László Róbert (France) Endre A. Balázs (USA) Benno Runnebaum (Germany) Herbert Braunsteiner (Austria) Heitaroh Iwata (Japan)
1980	Nikolai Nikolaevich Blohin (Soviet Union)	1992	Merton Sandler (England) Hans Weidinger (Germany)
1982	George Weder (USA)	1993	György Ács (USA) László Iffy (USA)
1983	Philip Gerald Mechanick (USA) Viking Olov Björk (Sweden)	1994	Ursula Lachnit-Fixon (Germany) Milan Chalabala (Slovakia) Felix Unger (Austria) Ulrich Joos (Germany) Isaac van der Wald (Netherlands) Sergio Ferri (Italy)
1984	Walter Birkmayer (Austria) Arje Scheinen (Finland)	1995	Takao Yamauro (Japan) H. W. Wouters (Netherlands)
1985	Jens J. Pintborg (Denmark) Armand Hammer (USA) Klaus Thureau (Germany)		
1986	Hans Altmann (Austria) Mitropan Studenikin (Soviet Union)		
1987	John Gergely (USA) Halfdan I. Mahler (Denmark) Shogo Sasaki (Japan)		

1996	Károly Balogh (USA) Thomas Rabe (Germany) Horst Cotta (Germany) Eberhard Ritz (Germany) Viktor E. Frankl (Austria) Heikki Ruskoaho (Finland) John A. Hobkirk (England) Thomas Schiff (USA) Dieter Ernst Lange (Germany) Volkmar Schneider (Germany)	1999	Frank A. Chervenak (USA) Asim Kurjak (Croatia) Ferenc Robicsek (USA) Werner Schmidt (Germany) André Haynal (Switzerland) Luis Gabriel Navar (USA) Nikolaus Freudenberg (Germany) Stefan Pollak (Germany) Tamás Hacki (Germany) Norbert Schwenzer (Germany) Thomas D. Kerényi (USA) Georg Stingl (Austria) Thomas Michael Krieg (Germany) Michael Wahl (Germany) Juhani Leppäluoto (Finland) Klaus Wolff (Austria)
1997	Theodor Hellbrügge (Germany) Hans-Günter Sonntag (Germany) Thomas Kenner (Austria) Moussa B. H. Youdim (Israel) Edward R. Perl (USA)		
1998	Bernd Brinkmann (Germany)		

LIST OF PERSONS AWARDED WITH THE „DOCTOR HONORIS CAUSA” TITLE AT SEMMELWEIS UNIVERSITY

2000	Allen Cowley (USA) Péter Illés (Germany) Iván Kiss (Germany) Ryszard Jerzy Gryglewski (Poland) Emmanuel van Praagh (France) Claes B. Wollheim (Switzerland) Gottfried O. H. Naumann (Germany) Gabriel P. Haas (USA) Gerd Schmitz (Germany) Elemér Zsigmond (USA)	2005	Albert William Taylor (USA) Barry D. Kahan (USA) Vilmos Vécsei (Austria) Louis Ignarro (USA) Gyöngyi Szabó (USA) Heinrich Schmidt-Gayk (Germany) Jos Hendrik Willem Hoogmartens (Belgium) Cynthia K. Larive (USA) Tibor Hortobágyi (USA) Vladimir Brusic (Australia)
2001	Pekka Juhani Saukko (Finland) Leo M. Sreebny (USA) N. Joan Abbott (England) Christopher Squier (USA) Ádám Tegzess (Netherlands) Gottfried Heinisch (Austria) Herbert Rübben (Germany) Han C. G. Kemper (Netherlands)	2006	Uwe Wilhelm Joseph Heemann (Germany) Philippe Morel (Switzerland) Rolf Christian Gaillard (Switzerland) Mátyás Sándor (USA) Hideki Ohno (Japan)
2002	Jacques Rogge (Belgium, Switzerland) Sataro Goto (Japan) Matthias Brandis (Germany) John Holloszy (USA) János Alpár (USA) Denys Wheatley (England) Angelo Benedetti (Italy) Ferenc Jolesz (USA) Tatsuo Nagai (Japan)	2007	John Raymond Garrett (England) Michael Landthaler (Germany) Kamal K. Midha (Canada) Gertrud Pfister (Denmark) Roberto Romero (USA) Heinz Schilcher (Germany) Jörg Schubert (Germany) Clemens Sorg (Austria)
2003	Thomas E. Andreoli (USA) Michael Georgieff (Germany) László Víg (Hungary) György Gosztönyi (Germany) Martin Black (England) Helmut Hahn (Germany) Thomas Detre (USA) Carl Hermann Lücking (Germany) David B. Ferguson (England) Marteen J. H. Slooff (Netherlands)	2008	Olaf Bodamer (Austria) Péter Pál Bucsky (Germany) Kelvin Davies (USA) Gabor Kaley (USA) Anton Sculean (Netherlands)
2004	Stephen Katz (USA) Sebastian G. B. Amyes (England) Sir George Radda (England) Michael Marberger (Austria) István Seri (USA) Peter Gängler (Germany) Osmo Hänninen (Finland)	2009	Maynard R. Case (England) Christopher R. Chapple (England) László Endrényi (Canada) Zsuzsanna Fábry (Hungary – USA) Bruno Grandi (Italy) Jerzy Kosiewicz (Poland) Karl-Heinz Kuck (Germany) Peter Malfertheiner (Germany) Franco Mantero (Italy) Éva Mezey (Hungary – USA) Georg Petroianu (Germany – USA) Tamás Péter Sótönyi (Hungary)
		2010	Roger Y. Tsien (USA) Masaki Kitajima (Japan)

2011	Hartmut P. H. Neumann (Germany) István Boldogh (USA) Constantin Copotoiu (Marosvásárhely, Romania)	2019	Prof. Dr. Scott David Solomon (USA) Offermanns, Stefan (Germany) Komajda, Michel (France) Hausenloy, Derek John (Singapore) Bax, Jeroen (Netherlands) Hogendoorn, Pancras (Netherlands) Madonna, Rosalinda (Italy-USA) Schirmacher, Peter (Germany) Mühlebach, Stefan (Switzerland) István Tóth (Australia)
	Péter Ferenczi (Austria) Dirk Pickuth (Germany) Andrzej Wiecek (Poland) Renato V. Iozzo (USA) Örs Nagy (Romania) István Bocskai (Romania) James S. Skinner (USA)		
2012	Pierre Corvol (France) Tibor Juhász (USA) George Berci (USA) Axel Ullrich (Germany) Jozef Corveleyn (Belgium) Joseph Kutzin (Switzerland) Daan Braveman (USA) Imre G. Csizmadia (Canada) Árpád Gyéresi (Marosvásárhely, Romania) Vinod P. Shah (JSS University of Mysore, India) Jürgen Michael Steinacker (Germany)	2020	Prof. Hans Henkes (Germany) Prof. Gerasimos Filipatto (Greece) Dr. Markó-Varga György (Sweden) Prof. Dr. Jude Fitzgibbon (England) Prof. Dr. Udo Hoffmann (USA)
	Peter Gabor Medveczky (USA) Arthur J. Moss (USA) Gerhard M. Kostner (Austria) Marie T. O'Toole (USA) Peep Veski (Estonia) Kai-Ming Chan (China) Paul G. M. Luiten (Netherlands)		
2013	Richard M. Satava (USA) René Sylvain Kahn (Netherlands) Péter Gloviczki (USA) Herbert Ehringer (Austria)	2021	Prof. Stefan Anker (Germany) Prof. Mariann Pavone-Gyöngyösi (Austria) Prof. Gary Francis Baxter (England) Prof. Olschewski Andrea (Austria) Prof. Shahrokh Francis Shariat (Austria) Prof. Carlos J. Bustamante (USA) Prof. Ondrej Viklicky (Czech Republic) Prof. Hans Henri Marcel Paul Kluge (Denmark)
	Shigeru Saito (Japan) Pál Pacher (USA) Jacques Marescaux (France) Leena Kaarina Bruckner-Tudermann (Germany) Stephan Züchner (Germany) Fausto J. Pinto (Portugal) György Kálmán Béla Sándor (Finland) Panos Macheras (Greece) Attila A. Hincal (Turkey)		
2014	László Bögre (England) Walter Klepetko (Austria) Lajos Okolicsányi (Italy) György Kúnos (USA) Josep Figueras (Spain) Henning H. Blume (Germany) Gábor Tigyi (USA)	2022	Prof. Dr. Alan B. Lumsden (USA) Prof. Dr. Bruno Podesser (Austria) Prof. Dr. Henk L. Granzier (USA) Prof. Dr. Marc Dewey (Germany) Prof. Dr. Falkai Péter (Germany) Prof. Dr. Rade D. Paravina (USA) László Záborszky (USA) Prof. Franz Weidinger (Austria) Prof. Marc Alan Pfeffer (USA) Prof. Thomas G. Allison (USA)
	Gerhard Hindricks (Germany) Christine Baylis (USA) Rainer Schulz (Germany) Mikael Björnstedt (Sweden) Keiichi Maruyama (Japan) Josef Smolen (Austria) Clive G. Wilson (England) Stefan Offermanns (Germany)		
2015	Dr. Miklos Sahin-Toth (USA) Dr. Maria Antonietta Stazi (Italy) Dr. Piotr L. Chlost (Poland) Dr. Jianguang Xu (China) Dr. Daan J. A. Crommelin (Netherlands) Dr. Olavi Pelkonen (Finland)	2023	Dr. Ralf Konrad Bergmann (Germany) Dr. Robert Hatala (Slovakia) Dr. Gerd Heusch (Germany) Dr. Hendrik Scholl (Switzerland/USA) Dr. Martin Werner (Germany) Dr. Kaan Orhan (Turkey) Dr. Dimitrios Lamprou (UK)
2016		2024	Dr. András Khor
			Dr. Tünde Pető
2017		2025	Dr. Tienush Rassaf
			Dr. Claus Peter Schmitt
2018			Dr. Ajay Singh
			Dr. Antonio Toscano
			Dr. Masashi Yoshida
			Dr. Francesco Guido Mangano
			Dr. Walter Renne
			Dr. Scott R. Woolley
			Dr. Corinne Antignac
			Dr. Domenico Corrado
			Dr. Eike Sebastian Debus
			Dr. Boris Alexander Hadaschik
			Dr. Tibor Harkány
			Dr. Béla Kis
			Dr. Cecilia Linde
			Dr. Manuel Mayr
			Dr. Andreas Papapetropoulos
			Dr. Ling Qin
			Dr. Gerrit Storm
			Dr. Wim van den Brink
			Dr. Marcin Wlodarski
			Dr. Gustavo S. Oderich

LIST OF PERSONS AWARDED WITH THE „PROFESSOR HONORIS CAUSA” TITLE AT SEMMELWEIS UNIVERSITY

2026	Priv. Doz. Dr. med. Edda Bahlmann PD Dr. Dietmar Eduard Kivelitz Priv. Doz. Dr. med. Dr. med habil. Lars Marquardt, DPhil (Oxford) PD Dr. med. Martin Merkel Priv. Doz. Dr. med. Tobias N. Meyer (Titularprofessor) Priv. Doz. Dr. med. habil. Sven Petersen Prof. Dr. Florian Steger PD Dr. med. Katharina Tiemann Dr. Thomas Verse Prof. Alessandro Zorzi, MD, PhD, FESC Prof. Peter Nigrovic, MD	René Horsleben Petersen Muthiah Vaduganathan, MD, MPH, FACC, FHFA Denisa Muraru, MD, PhD, FESC, FACC, FASE, FBSE Prof. Hiroshi Mamitsuka Prof. Karen Vanhoorelbeke Assoc. Prof. Helmut Prosch Prof. Igor Robert Blum Prof. László Mechtler PD Dr. med. Jobst-Hendrik Helmut Schultz Prof. Sevil Yasar MD, Ph.D.
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PRIVATE TUTORS OF SEMMELWEIS UNIVERSITY

1995	Dr. Árpád Mayer head physician, Uzsoki Hospital, Oncology Centre Dr. László Takácsi Nagy deputy head physician, Uzsoki street Hospital, Oncology Centre	1998	Dr. Valéria Váradi head physician, Saint Margaret Hospital Dr. Gábor Pethő director of quality assurance, Pharmavit Ltd. Dr. Hedvig Bodánszky consultant, National Medical Centre Dr. István Láng chief physician, National Oncology Institute Dr. Béla Lombay head physician, B-A-Z County Hospital, Radiology Institute, Department of Paediatric Radiology Dr. János Radó physician, Virányos Clinic Dr. Károly Simon head physician, Saint Emeric Hospital-Clinic
1996	Dr. Elemér Nemesánszky head physician, Buda Hospital of the Hospitaller Order of Saint John of God Dr. István Hartyánszky, chief physician, National Institute of Cardiology Dr. János Strausz medical director, Törökbálint Institute of Pulmonology Dr. Szabolcs Ottó deputy director-general chief physician, National Oncological Institute Dr. András S. Szabó associate professor, Head of Department, Saint Stephen University Dr. Endre Ludwig head physician, Péterfy Sándor street Hospital	1999	Dr. György Bodoky chief physician, Saint Ladislaus Hospital Dr. Kristóf Nékám head physician, Buda Hospital of the Hospitaller Order of Saint John of God Dr. Gyula Poór director-general chief physician, National Institute of Rheumatology and Physiotherapy Dr. László Simon head physician, Tolna County Municipal Hospital, Szekszárd Dr. Attila Tankó medical specialist, District II. Municipality Clinic Dr. Gábor Veres director-general chief physician, Balatonfüred State Hospital Dr. István Vermes chief physician, Medical Spectrum, Twente (Netherlands) Dr. Bosco Camelo associate professor, University of Rome Dr. Péter Göblyös head physician, National Institute of Hematology and Immunology
1997	Dr. Béla Goldschmidt head physician, Saint Roch Hospital Dr. János Hamar head physician, National Institute of Traumatology Dr. György Jermendy head physician, Bajcsy-Zsilinszky Metropolitan Hospital Dr. György Karmos senior research fellow, Hungarian Academy of Sciences, Institute of Psychology Dr. Elek Kisida head physician, Buda Hospital of the Hospitaller Order of Saint John of God Dr. Tibor Raposa head physician, Saint Stephen Metropolitan Hospital Dr. Géza Tasnádi head physician, Pál Heim Metropolitan Municipality Children's Hospital Dr. István Péter Temesvári head physician, National Institute of Rheumatology and Physiotherapy Dr. József Tóth head physician, National Oncological Institute Dr. Károly Sándor Tóth head physician, Saint Margaret Hospital	2000	Dr. Miklós Bély head physician, Buda Hospital of the Hospitaller Order of Saint John of God Dr. György Berencsi head physician, Béla Johan National Epidemiology Centre Dr. Tamás Szabó Head of the scientific group, Central School of Sport

2001	Dr. Sándor Frenyó head physician, National Traumatology Institute	2005	Dr. György Bagdy head of laboratory, scientific director, National Institute of Psychiatry and Neurology
	Dr. Ferenc Horkay head physician, National Cardiology Institute		Dr. Katalin Borbély head physician, National Scientific Institute of Neurosurgery
	Dr. Krisztina Kádár chief physician, National Cardiology Institute		
	Dr. Lajos Kotsis chief physician, National Korányi Institute of TBC and Pulmonology		2006
	Dr. Ilona Kovalszky senior research fellow, No. I. Institute of Pathology and Experimental Cancer Research		Dr. Ildikó Horváth head physician, National Korányi Institute of TBC and Pulmonology, doctor of the Hungarian Academy of Sciences
	Dr. Aladár Rónaszéki head physician, Elizabeth Hospital of Péterfy Sándor street Hospital		Dr. László Dézsi research supervisor, Gedeon Richter PLC Research Department of Pharmacology and Drug Safety
	Dr. Ágnes Szebeni head physician Emeritus, Ministry of Home Affairs Central Hospital		Dr. Tamás Szamosi consultant, No. II. Clinic of Paediatrics
	Dr. András Végh head physician, Pál Heim Metropolitan Municipality Children's Hospital	2007	Dr. Róbert Veres head physician, National Scientific Institute of Neurosurgery
2002	Dr. Gábor Winkler head physician, Saint John Hospital	2008	Dr. Attila Csekeő head physician, National Korányi Institute of TBC and Pulmonology
		2009	Dr. Péter Andréka head physician, György Gottsegen National Cardiology Institute, Department of Cardiology
	Dr. Mátyás J. Baló (Banga) head physician, Central Hospital of the Hungarian Homeland Defence Forces, Department of Internal Medicine		Dr. István Szikora deputy director-general chief physician, National Neuroscience Institute
	Dr. Béla Büki chief physician, Kremsi Hospital, Department of Otolaryngology	2010	Dr. Tamás Görcs lecturer, Department of Anatomy, Histology and Embryology
	Dr. Sándor Czirják chief physician, Deputy Director-General, National Scientific Institute of Neurosurgery		Dr. György Keleti head physician comm. Joint Saint Emeric and Saint Ladislaus Hospital, Surgery Department
	Dr. Gyula Domján head physician, Saint Roch Hospital, No. I. Department of Internal Medicine		Dr. Ödön Gaál graduate chemist emeritus, National Institute of Nutritional Science (1972-2005)
	Dr. Sándor Dubecz chief physician, National Oncology Institute, Department of General Surgery and Thoracic Surgery	2011	Dr. Béla Schumann director, Laborexper Kft.
	Dr. Lajos Kullmann director-general chief physician, National Medical Rehabilitative Institute		Dr. Miklós Lőw chemist emeritus, Gedeon Richter PLC
	Dr. Ádám László head physician, Bajcsy-Zsilinszky Hospital, Department of Obstetrics and Gynecology		Dr. András Bálint project manager chief physician, Saint Emeric Municipal Hospital, General Surgery Section
	Dr. Károly Nagy deputy scientific director, National Institute of Dermatology and Venereology		Dr. Miklós Merksz head physician, Pál Heim Metropolitan Municipality Children's Hospital, Department of Urologic Surgery
	Dr. Erzsébet Temesvári senior research fellow, National Institute of Dermatology and Venereology		Dr. András Telekes head physician, Bajcsy-Zsilinszky Metropolitan Hospital-Clinic, Department of Oncology
2003		2013	Dr. Attila Vörös chief physician, State Medical Centre - Central Hospital of the Hungarian Homeland Defence Forces
	Dr. Áron Altorjay head physician, Fejér County Saint George Hospital		Dr. Zoltán Takács-Nagy head physician, National Oncology Institute, Department of Radiotherapy
	Dr. István Bodrogi head physician, National Oncology Institute	2014	Dr. György Ostoharics-Horváth chief physician, Aladár Petz County Hospital, Department of Psychiatry, Mental Hygiene and Addictology
	Dr. Károly Cseh head physician, Sándor Korányi Hospital and Clinic		
	Dr. Gábor Faludi head physician, Kútvölgyi Clinical Array	2015	Dr. Sándor Bende chief physician, titular associate professor, B-A-Z County Hospital and University Teaching Hospital
	Dr. Irén Herjavec head physician, National Korányi Institute of TBC and Pulmonology		Dr. Tamás Sándor chief physician, (retired volunteer assistant), 2nd Department of Surgery
	Dr. Kálmán Róna scientific consultant, Department of Forensic Medicine	2016	Dr. Ferenc Ender chief physician, Joint Saint Emeric and Saint Ladislaus Metropolitan Hospital, Surgery Department
	Dr. György Szeifert chief physician, National Scientific Institute of Neurosurgery		
2004	Dr. Imre Klebovics head of science department, EGIS Pharmaceuticals PLC		
2004	Dr. Jenő Julow head physician, National Scientific Institute of Neurosurgery		
	Dr. László Bognár head physician, National Scientific Institute of Neurosurgery		

2017	Virág Katalin Bognár self-employed sociology instructor Dr. Bertalan Meskó, Webicina Kft., manager Dr. Gamal Eldin Mohamed Elmowag head physician, Budaörs Healthcare Centre Dr. Miklós Szokoly director-general consultant, Péterfy Sándor street Hospital, Clinic and Casualty Centre Dr. Tamás Iváncsy associate professor, Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Department of Electric Power Engineering	Dr. Judit Moldvay chief physician, National Korányi Pulmonology Institute, Tumor Biology Department Dr. Géza Nagy college professor, Semmelweis Hospital, head physician, University of Miskolc, Faculty of Healthcare
2021		Prof. Dr. Róza Ádány academic lecturer, Department of Public Health Prof. Dr. Tamás Fülöp academic lecturer, Department of Public Health Dr. Miklós Tunyogi Csapó, Department of Spinal Medicine

FOUNDATION FOR NATIONAL HEALTH CARE AND MEDICAL EDUCATION

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Public Benefit Supervisory Board

A three-member Public Benefit Supervisory Board operates at Semmelweis University. The members of the Board are appointed by the University's maintainer. The Board oversees the University's operations and financial management and monitors the University's public benefit activities.

CHAIRMAN	Dr. Zoltán Nagy <i>(Professor Emeritus, Városmajor Heart and Vascular Center)</i>
MEMBERS	Dr. Imre Klebovich <i>(Professor Emeritus, Institute of Pharmaceutical Sciences)</i> Dr. Zoltán Szabolcs <i>(Professor Emeritus, Városmajor Heart and Vascular Center)</i>

Senate

The Senate is the highest governing body of Semmelweis University with decision-making authority, the right to submit proposals, and the right to evaluate and review matters. The chairman of the Senate is the rector of Semmelweis University.

The member of the Senate may be such a person – excluding representatives of the Student's Union and other representative organisations – who is employed by Semmelweis University in an employment relationship or as a full-time working public servant, i.e. lecturer, researcher, teacher, or other scope of activity. The Senate consists of 45 members. This number is determined according to the seats available based on position, election and delegation as a result of election, defined in Section 13, part (4)-(5) of the Organisational and Operational Rules. The Rector and Chancellor are ex officio members of the Senate.

Members of the Senate

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CHANCELLOR

Dr. Livia Pavlik

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DOCTORANDUS STUDENT UNION

Dr. Patrik Kreuter

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Balázs Kiss
Zoltánné Arany

SEMMELWEIS LABOUR ORGANISATION

(according to Section 13. Parts (2) and (3) of the Organisational and Operational Rules)
Dr. Gábor Élő
Dr. Zoltán Berki

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dr. Zsolt Antóny
Dr. Tamás Hegedűs
Gábor Orbán
Prof. Dr. Zoltán Nagy
Prof. Imre Klebovich
Dr. Zoltán Szabolcs



RECTOR: **Prof. Dr. Béla Merkely** M.D., Ph.D., D.Sc.



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Prof. Dr. Alán Alpár M.D., Ph.D., D.Sc.
International Studies

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College Prof. Dr. Gabriella Dörnyei Ph.D.
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Dr. Beáta Pethesné Dávid
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HEAD OF THE CENTER OF INTERNATIONAL TRAINING PROGRAMS

Prof. Dr. Alán Alpár M.D., Ph.D., D.Sc.

DIRECTOR of the DIRECTORATE OF INTERNATIONAL STUDIES

Dr. Ákos Zsembery Ph.D.

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Mr. Tamás Török
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Office hours:

Monday: 13:00-15:00 Tuesday: 10:00-12:00
Wednesday: closed
Thursday: 10:00-12:00 Friday: closed

SCHEDULE FOR THE 2026/2027 ACADEMIC YEAR

(Faculty of Medicine, Faculty of Dentistry, Faculty of Pharmaceutical Sciences)

The dates are subject to change!

University events

Summer University (NET)	August 26-28, 2026
Freshman Camp	September 2 – September 5, 2026
Opening Ceremony (MVM Dome)	September 6, 2026
National Holidays	October 23, 2026
	November 1, 2026
	24-26 December, 2026
Semmelweis Symposium – EOK	November 16-18, 2026
Winter Break	December 21, 2026 – January 3, 2027
TDK Conference	February 2027
National Holidays	January 1, 2027
	March 15, 2027
	March 26 –29, 2027
	May 1, 2027
	May 17, 2027
	August 20, 2027
Exam Outside Academic Year	August 23 – August 27, 2027

Faculty of Medicine

Enrollment	I year	August 24-25, 2026
Registration	VI year	July 3 – July 10, 2026
Registration 1st semester	II – V year	August 24 – September 4, 2026
Fall Study Period	I – III year	September 7 – December 11, 2026
	IV – V year	August 31, 2026 – January/February 2027 (TBA)
	VI year	July 13, 2026 – January 2027 (TBA)
Fall Exam Period	I – III year	December 14 – December 18, 2026 and January 4 – February 12, 2027
Board Exam Period		November 17 – November 27, 2026
Written Board Exam		November 17, 2026
Oral and Practical Board Exam (plan)		November 18 - November 27, 2026
Registration 2nd semester	I – VI year	February 1 – 12, 2027
Spring Study Period	I – III year	February 15 – May 21, 2027
	IV – V year	January/February 2027 – July 2 + 2 make up weeks until July 16
	VI year	January, 2027 – April 23, 2027
Spring Exam Period	I – III year	May 24 – July 11, 2027
Board Exam Period		May 26 – June 11, 2027
Written Board Exam		May 26, 2027
Oral and Practical Board Exam		between May 27 - June 11, 2027

Faculty of Dentistry

Enrollment	I year	August 24-25, 2026
Registration 1st semester	II – V year	August 24–28, 2026
Fall Study Period	I – II year	September 7 – December 11, 2026
Fall Study Period	III– V year	August 31 – December 4, 2026
Fall Exam Period	I – II year	December 14 – December 18, 2026
	III– V year	and January 4 – February 12, 2027
		December 7 – December 18, 2026
		and January 5 – February 5, 2027
Registration 2nd semester	I – II year	February 8 – February 12, 2027
	III – V year	January 25 – February 5, 2027
Spring Study Period	I – II year	February 15 – May 21, 2027
	III-IV year	February 10 – May 25, 2027
	V year	February 1 – April 23, 2027
Spring Exam Period	I – II year	May 24 – July 9, 2027
	III-IV year	May 10 – June 25, 2027
	V year	April 26 – June 11, 2027
Board Exam Period		June 14-18, 2027
Graduation Ceremony		July, 2027 (TBA)

Faculty of Pharmaceutical Sciences

Enrollment	I year	August 24-25, 2026
Registration	V year	July 13-17, 2026
Registration 1st semester	II – IV year	August 31 – September 4, 2026
Fall Study Period	I – IV year	September 7 – December 11, 2026
	V year	July 20 – December 11, 2026
Fall Exam Period	I – V year	December 14 – December 18, 2026
		and January 4 – February 12, 2027
Registration 2nd semester	I – IV year	February 8-12, 2027
	V year	January 25 – February 12, 2027
Spring Study Period	I – IV year	February 15 – May 21, 2027
4 months internship practice for	V year	January 27 – May 27, 2027
Spring Exam Period	I – IV year	May 24 – July 9, 2027
Board Exam Period		June 2-25, 2027
Graduation Ceremony		Late June / early July, 2027 (TBA)

THE WORDS OF THE VOW AT REGISTRATION

I....., student of Semmelweis University promise under oath that I will respect the Hungarian laws and the Fundamental Law of Hungary. I promise that I shall abide by the regulations of Semmelweis University. I promise solemnly that I will respect the professors and teachers of the University, and that my conduct will be in keeping with the honor of my profession. I will keep the secrets of the patients that I learn about in the course of my studies. I will pursue my studies with full sense of responsibility to prepare myself to the best of my abilities for all my duties and obligations in my profession so as to be able to serve with my knowledge the progress of mankind. So help me God!

THE WORDS OF OATH AT GRADUATION

Faculties of Medicine and Dentistry

"I, swear that I will devote myself to the medical profession at all times. I will use the knowledge acquired in the field of medicine to prevent and cure diseases, and to benefit the physical and mental well-being of my patients. I will not betray the confidence of those who turn to me, I will not take advantage of their defenselessness, nor will I disclose their secrets. I will treat every person with equal care and attention. I will maintain the high quality of my knowledge and skills through continuous education, but will also acknowledge the limits of my knowledge and abilities. I will respect the ethical requirements of my medical practice. I will strive to enhance the reputation of the medical profession and of SEMMELWEIS University."

"Én, esküszöm, hogy orvosi hivatásomhoz mindenkor méltó magatartást tanúsítok. Orvosi tudásomat a betegségek megelőzésére, a betegek testi-lelki javára, betegségük gyógyítására fordítom. A hozzám fordulók bizalmával, kiszolgáltatott helyzetével visszaélni nem fogok, titkaikat fel nem fedem. Egyenlő figyelemmel és gondossággal gyógyítok minden embert. Tudásomat és gyakorlati ismereteimet állandó képzéssel magas szinten tartom, de ismereteim és képességeim korlátait is tudomásul veszem. Az orvosi működésemmel kapcsolatos etikai követelményeket tiszteletben tartom. Arra törekszem, hogy az orvostudomány, valamint a SEMMELWEIS Egyetem jó hírnevét öregbítsem és megbecsülését előmozdítsam."

Faculty of Pharmaceutical Sciences

I, swear that in virtue of my acquired knowledge of pharmaceutical sciences, I shall do my professional duty with the utmost diligence, and I shall always behave worthy of my profession. I shall place before all things the care for and the healing of my patients. I shall not reveal any data concerning the health status or the medication of my patients. I shall maintain my theoretical and practical knowledge at a high level. I shall never use my knowledge for activities that are contrary to the ethical code of pharmacists. As a participant in the activity of healing, I shall use my knowledge only for the defense and restitution of health to my fellow humans. I shall do my best to promote the science of pharmacy and keep the good name of the Semmelweis University.

PLAGIARISM DECLARATION

at the Faculty of Medicine

(Declaration on compliance with regulations on preparing thesis work)

I, the undersigned, name:

(Neptun code:) hereby declare by signing this declaration that this thesis work, entitled:

.....
.....
....."

is my own work, and I adhered to the provisions of Act LXXVI of 1999 on Copyright in the preparation of the thesis work and respected the rules laid down by the University.

I acknowledge by signing this declaration that Semmelweis University refuses accepting the thesis provided it can be proved that this thesis work was not carried out by me or violation of copyright law arises with regard to the thesis.

I am also aware, that the authorization holders may take action against me because of violation of copyright law, which may result in legal consequences, including consequences of civil law, infringements act and criminal law.

Budapest,, 20.....

.....
student's signature

Rectorial Circular

on the independent work of students and on certain questions concerning lecture and practice policies

In order to meet the requirement for independent student work and to ensure the smooth functioning of lectures and practices, I hereby draw the attention of the students of Semmelweis University to the following:

- I. In the course of testing one's knowledge and practical skills, it is prohibited, under disciplinary liability, to use any unauthorized material, or to secure any illicit advantage. For the purpose of this provision, advantages ensured to disabled students in accordance with legal provisions or university regulations and allowances based upon individual decisions made in accordance with Chapter III Part III of The Rules of Operation and Organization of Semmelweis University qualify as allowed advantages.
- II. The independent creation of original work, as well as the true and accurate citation, and the precise and complete indication of the sources used are not only scientific requirements, but also obligations arising from legal regulation. Intellectual property is protected by the laws of Hungary. The content of this protection is defined particularly by the Copyright Act, the acts on inventions and patents, and on trademarks and the Civil Code of Hungary. The intellectual property of another person is only allowed to be used in accordance with these regulations.

All creations of literature, science and art shall fall under copyright protection as defined by Act No LXXVI of 1999 on copyright. According to this act, from a work disclosed to the public any part may be cited by indication of the source and naming the author indicated therein. Such citation shall be true to the original and its scope shall be justified by the nature and purpose of the borrowing work. The free use is permitted only so far as it does not conflict with a normal exploitation of the work and does not unreasonably prejudice the legitimate interests of the author, and it is in compliance with the requirements of fairness and is not designed for a purpose incompatible with the intention of free use.

The consequences of the abuse of rights relating to intellectual property are provided by law, thus the abuse of these rights may also fall under disciplinary liability.

- III. In the absence of previous authorization, it is prohibited, under disciplinary liability, to take photos or make video or sound recordings at lectures and practices. In addition, any misuse of the likeness or recorded voice of another person shall be deemed as a violation of inherent rights and may result in other consequences. The disclosure of likeness or recorded voice of another person shall be authorized by that person.

I request all students to take notice of the above.

Attention to Students of Foreign Language Programs at Semmelweis University

In recent years, Semmelweis University has built a valuable student community by maintaining high academic standards and placing much emphasis on the ethical integrity of our education. The overwhelming majority of our students appreciate our efforts. Unfortunately, a small minority does not want to accept our ethical guidelines, and tries to take undue advantage at exams by using unacceptable techniques.

We therefore do implement the following sanctions:

Against students who are found at exams possessing forbidden items, including electrical devices, such as mobile phones, ipods, etc. a disciplinary action will be initiated that can end with immediate discharge with disgrace from Semmelweis University. By implementing this rule, we wish to preserve the academic and material value of the Semmelweis Diploma.

NEPTUN.NET Unified Education System

Summary for Students

At Semmelweis University, the education system NEPTUN.Net is used for performing administrative tasks related to education. The users of the system – registry clerks, faculty secretaries, instructors and students – have different authorities to access the information stored in the system.

For the students of the institution, the system provides the following functions:

- To check their personal data and information related to their studies,
- To register for subjects,
- To register for exams,
- To check grades entered into the system,
- To monitor the grants transferred,
- To get information on their payment obligations,
- To manage their finances,
- To receive messages within the system from registry clerks, secretaries of institutions and instructors.

You get your user ID and password to the NEPTUN.Net system from the Dean's Office or the Registry of the Faculty where you

have been admitted. Users with students' rights may only manage their own data. In order to prevent unauthorized access, it is very important that you change your password from time to time. It is recommended that you change the password immediately upon entering the system for the first time. The password should be minimum 6 characters long, consisting of letters, numbers or a mixture of both.

Students can access the NEPTUN.Net system on any computer located in students' terminal rooms (in the Student Centre /NET/ and in the Central Library) or any other computer with Internet access using a browser (Internet Explorer 7 or Mozilla Firefox version 2) from the official university Neptun Portal (**<http://net.neptun.sote.hu>**).

(For a detailed description of the Students' WEB please check the Neptun Portal – Support / Neptun usage / Aids by role / Aids for students).

Entering the system

On the Neptun Portal, click on the Student icon to enter. Then choose the server you wish to use. Enter the Neptun code (ID) and the password on the window which appears.

Once you enter you can choose from the following data groups at the top of the page:

Personal data, Studies, Subjects, Exams, Finances, Information, Administration

Upon entering the Neptun.Net system, students have to perform the following operations during a term:

- Registration
- Subject registration
- Exam registration

Registration

You can access the registration function in the "Administration" menu. Here you can register for the next term by clicking on the link "Registration". On the page "Registration requests", when clicking on "New" in the status column of the current semester, a window is displayed where you have to declare whether you choose to register with an "Active" or a "Passive" status. After you have chosen the appropriate option, click on the button "I declare". (Such registration is only available if Registration period is displayed under "Periods" in the "Information" menu! If you

have not chosen any course for the semester yet, but you intend to register with an "Active" status, the program will ask you to make sure whether you really want to continue the registration process. If you choose the option "no" at this stage, this means that registration will not be completed, and before you do so, you can take up your courses. If you choose "OK", you can continue registration. Naturally, you are free to take up courses afterwards.)

Subject registration (choosing subjects, choosing courses)

Choose the link "*Subject registration*" in the "*Subjects*" menu.

1. Displaying the list of subjects: Select the appropriate semester (e.g. 2022/23/1) and the curriculum, then select "Subject list of the chosen curriculum" under „Subject type" to display obligatory and elective subjects. The option "Other elective

subjects" may be used if the institution concerned manages its elective subjects separated from the curricula. If you do not find any subject in this list, this only means that at your institution these elective subjects are also integrated into the curricula. In this case, you should choose the option "Subject list of the chosen curriculum" at this question. By ticking "Show

only those subjects that will be launched" you can make sure that only those subjects appear in the displayed subject list which will be launched in the semester selected. You can display the subject list filtered according to the conditions set by clicking on the "List subjects" button.

2. Display, search and ordering options in the subject list: On the top of the list you can set the number of subjects to be displayed on one page. If the list is longer than one page, you can use the two-way arrows on the top of the list or the drop-down menu to turn pages. By clicking on the printer icon, you can print the page displayed. When you find the subject required, click on any detail and all details of the selected subject will be displayed in a pop-up window.
3. Subject details / Current courses tab: Here you can see the courses launched in the given semester for the selected subject. You can now choose the subject and its course or courses. You can choose the courses by marking the checkbox on the right of the course list, then confirm your choice by clicking on "Save" at the bottom of the page. You have to choose more than one course for the same subject if more than one course type (e.g. theoretical and practical) are announced. In this case, you need to choose one course for each course type. This is not true for exam courses which must be chosen independently in all cases, which means that you cannot choose an exam course and another course type for the same subject at the same time. Course registration will only be successful if:
 - **you have fulfilled the requirements for subject and course registration,**
 - none of the courses selected is booked out (in the students/limit column the number of students is under the limit),
 - **you have selected one course for each course type (e.g. theoretical, practical),**
 - **it is preliminary or final subject and course registration period,**
 - you have not completed the subject so far.
 For more information on a given course, click on any detail of the given course in the list to display the course information in a new pop-up window.
4. Deregistering subjects: If for any reason you would like to drop a chosen subject, you can do so under "Registered subjects" in the "Subjects" menu. On this page you can see the subjects you have chosen in the current registration period; you can change courses or deregister subjects here. If in any subject line you click on "Deregister subject", the system will first ask whether you really want to drop the given subject and if you answer yes, the subject will be dropped and deleted from the list of registered subjects. Naturally, this means that your registration for the courses of the deregistered subjects is also deleted and you will be informed of this. (Subject deregistration is possible during the preliminary or final subject or course registration period.)
5. Changing courses: If you want to change the course(s) you have chosen in a given subject you can do this by clicking on any detail of the given subject to display the pop-up window "Subject details". Here on the "Current courses" tab in the last column of the list you have to select the course(s) required and unmark the course(s) to be dropped, then confirm the change by clicking on the „Save" button. The system will report on the change or the reasons for potential errors.

Exam registration

You can find "Exam registration" in the "Exams" menu. On this page you can register for exams or cancel your registration. In the exam list, exams which you have already registered for will appear in blue. To cancel an exam registration, go to the „Selected exams" menu.

1. List exams: On entering the page for the first time all future exam dates announced in the current semester will appear, but you can filter the list. If you only want to see the exam dates of a given subject, select the subject from the "Subjects" roll-down menu, then click on the button "List exams".
2. Exam registration: To register for an exam, click on "Register" in the line of the given date. The program will report on the success or failure of exam registration.
3. Cancelling exam registration: If you register for an exam by mistake or you simply change your mind and want to cancel your registration, click on „Cancel" next to the given exam. (Normally this can be done prior to the exam within the cancellation deadline.)
4. Payment of retake exam fee: By clicking on "Payment" under "Finances", you will be taken to the page where the list of settled and payable items is displayed. Here you can also fulfill your financial obligations. On the "Payment" tab, click on the "Transcribe item" button and on the appearing "Transcribe item" window, enter the payment title (retake exam), then select the subject for which you would like to transcribe the exam fee from the roll-down list. Finally, click on the „Create item" button. You can take over the invoice of the item created in the Dean's Office. To list current items, select the current semester using the "Semester" roll-down menu under "Filters" on the 1. "List items" tab. (Items you have displayed are marked as "Own item" in the "Status" column.) To view the details of a given item, click on "Details" in the line of the item concerned.

Message management

During term time, students may receive messages on various topics. This menu can be found on the left-hand side of the page. Here you can see the messages sent to the student by the Dean's Office clerk in charge of his/her year or the instructor of a chosen course. You can view the text of the message on a new window by clicking on the required topic in the list of messages.

The NEPTUN system assists students and university employees in the accurate and effective performance of administrative tasks related to their studies. **In order to ensure faultless operation, it is indispensable that authority rules are complied with and that accurate data is provided. Therefore, please note that data changes or wrong data must be corrected within 8 days using „Modify data".**

THE DEPARTMENTS OF SEMMELWEIS UNIVERSITY

Semmelweis University, Faculty of Medicine

Department of Anatomy, Histology and Embryology

1094 Budapest, Tűzoltó u. 58.
Phone: +361/215-6920 ext. 53601 Dr. Andrea Székely
53652 Dr. Dr. Katalin Kocsis (Pharm.)
Head of the Department: Prof. Dr. Alán Alpár

Department of Anaesthesiology and Intensive Therapy

1082 Budapest, Üllői út 78/B.
Phone: +36 1 210-0330/61972
<https://semmelweis.hu/english/health-care/health-care-units/Department> of Intensive Therapy
Head of Department: Prof. Zolt Molnár M.D., Ph.D.
Tutor: Dr. András Lorx M.D., Ph.D.
E-mail: aitt.oktatas@semmelweis.hu
Obligatory subjects: AOKANE759_1A
Elective/Optional subjects: AOVANE104_1A, AOSANE1184_1A, AOKANG1137_SA

Institute of Behavioural Sciences

1089 Budapest, Nagyvárad tér 4. (20th floor)
Phone: +361/210-2953 ext. 56136 Dr. Ágnes Dósa
Head of the Institute: Dr. György Purebl

Institute of Biochemistry and Molecular Biology

Department of Medical Biochemistry

1094 Budapest, Tűzoltó u. 37-47.
Phone: +361/459-1500 ext. 60024, 60023, 60022
Dr. Christos Chinopoulos
Head of the Department: Prof. Dr. László Csanády
Tutor: Dr. Christos Chinopoulos
E-mail: chinopoulos.christos@semmelweis.hu
Obligatory subjects: Medical Biochemistry I, Medical Biochemistry II
Elective/Optional subjects: Quantitative and Medical Biochemistry, Medical Biochemistry for OSCE Preparation

Faculty of Medicine

Department of Bioinformatics

1094 Budapest, Tűzoltó u. 7., Tel.: +36 30 0164509
Head of Department: Prof. Dr. Balázs GYÖRFFY
Tutor: Dr. Otília Menyhart
E-mail: menyhart.otilia@semmelweis.hu
Elective/Optional subjects: Clinical Bioinformatics

Department of Biophysics and Radiation Biology

094 Budapest, Tűzoltó u. 37-47., Tel.: +36 1 459-1500 /60200
<https://biofiz.semmelweis.hu/?nyelv=eng>
Head of the Department: Dr. Miklós KELLERMAYER
Tutor: Dr. Dániel Sándor VERES
e-mail: veres.daniel@semmelweis.hu
Obligatory subjects (medical students): Medical Biophysics I; Medical Biophysics II.; Medical Statistics, Informatics and Telemedicine
Obligatory subjects (dentistry students): Biophysics I.; Biophysics II.; Physical Foundations of Dental Materials Science
Obligatory subjects (pharmacy students): Pharmaceutical Biophysics
Elective/Optional subjects (all faculty): Mathematical and Physical Basis of Medical Biophysics; Modern Microscopy Methods in Medical Science; The Medical Aspect of the Nanoworld; Medical-biophysical Aspect of Radiological

Accidents; Digital Image Processing and Analysis; A Practical Introduction to MR Imaging; Introduction to the Clinical Biostatistics; Artificial Intelligence in Medical Research

Department of Dermatology, Dermatooncology and Venerology

1085 Budapest, Mária u. 41.
Phone: +3620/670-1308 Dr. Kende Lőrincz (Med.), 361/266-0465 ext. 55776 Dr. Bernadett Hidvégi (Dent.)
Head of the Department: Prof. Dr. Péter Holló

Institute of Clinical Psychology

1091 Budapest, Üllői út 25. 1st floor
Phone: +361/459-1493
Director: Xénia Gonda

Department of Psychiatry and Psychotherapy

1083 Budapest, Balassa u. 6.
Phone: +361/210-0330 extension 51100
Head of the Department: Prof. Dr. János Réthelyi
Tutors: Dr. Attila Pulay (Med., 5th year) ext. 51230, Dr. Ferenc Ádám Szabó (Med. 6th year), Dr. Zoltán Hidasi (Dent.)

Institute of Digital Health Sciences

1089 Budapest, Nagyvárad tér 4. fszt. 18.
Phone: +361/488-7620; +36-20/324-4158 Gergely Marosi
Director: Dr. Tamás Palicz

Department of Emergency Medicine

1082 Budapest, Üllői út 78./A
Phone: +361/459-1500 ext. 62060
Head of Department: Dr. Bánk Gábor Fenyves PhD
Head of Education and Practice: Dr. Péter Vass
Head of Education and Practice: Dr. Barbara Bukor
email: bukor.barbara@semmelweis.hu
Tutor: Dr. Eszter Békefi-Erős
email: bekefi.eros.eszter@semmelweis.hu
Substitute tutor: Dr. László Békefi
email: bekefi.laszlo@semmelweis.hu
Tutor: Dr. Bálint Vörös
email: voros.balint@semmelweis.hu
Obligatory subjects:
First Aid, Emergency Medicine and Oxyology
Elective/Optional subjects:
POCUS (The use of point of care ultrasound in the Emergency Department)

Department of Experimental Cardiology and Surgical Techniques

1085 Budapest, Nagyvárad tér 4., Tel.: +36 1 4591500/56569
<https://semmelweis.hu/mutettan/en/>
Head of Department: Dr. Tamás RADOVITS
Tutor: Dr. Györgyi Szabó
E-mail: szabo.gyorgyi@semmelweis.hu
Obligatory subjects: *Basic Surgical Techniques*
Elective/Optional subjects: *Intermediate knotting and suturing techniques*
Advanced Suturing Techniques
Advanced Laparoscopic Techniques
Intermediate Microsurgical Techniques

Department of Family Medicine

1095 Budapest, Üllői út 25. City Corner Office
Phone: +36 1 355-8530; +36 1 214-0841
Dr. Ádám Becze, English Program Tutor
becze.adam@semmelweis.hu
Katalin Karanedeve, English Program Assistant
karanedeve.katalin@semmelweis.hu
Head of the Department: Prof. Dr. Péter Torzsa

Institute of Genetics, Cell- and Immunobiology

1089 Budapest, Nagyvárad tér 4. Tel: +36 1 210-2930
Head of the Department: Prof. Dr. Edit BUZÁS
Tutor: Dr. Eszter LAJKÓ (EM/ED Cell Science, EPh Cell Biology)
lajko.eszter@semmelweis.hu
Dr. Hargita HEGYESI (EM Medical Genetics and Immunology I, ED Genetics and Genomics, EPh Genetics)
E-mail: hegyesi.hargita@semmelweis.hu
Dr. Marianna HOLUB (EM Medical Genetics and Immunology II, ED/EPh Basic Immunology)
E-mail: holub.marianna@semmelweis.hu
Obligatory subjects: Cell Science (EM/ED)
Cell Biology (EPh)
Medical Genetics and Immunology I-II (EM)
Genetics and Genomics (ED)
Genetics (EPh)
Basic Immunology (ED/EPh)
Elective/Optional subjects:
Chemotaxis - Its significance in biology and clinical sciences
Genetics of Cell Organelles

Heart and Vascular Centre, Department of Cardiology

1122 Budapest, Városmajor. u. 68.
+361/458-6842; <https://semmelweis.hu/varosmajor/en/>
Head of the Department: Prof. Dr. Béla Merkely
Tutors: Dr. György BÁRCZI barczy.gyorgy@semmelweis.hu
Dr. Roland PAPP papp.roland@semmelweis.hu
Dr. Klaudia Vivien NAGY
nagy.klaudia.vivien@semmelweis.hu
Obligatory subjects: Cardiology, Heart Surgery, Angiology, Vascular Surgery; Clinical ECG

Heart and Vascular Center, Department of Sports Medicine

1122 Budapest, Városmajor. u. 68., +36 30 016 4458
Head of Department: Prof. Hajnalka Vágó MD
Tutor: Dr. Tímea Kovács
Study Administrator: Katalin Solymosi
E-mail: cvc.oktatas2@gmail.com
Lecture: Sports Physiology, Sports Surgery, Sports Nutrition
Practice: ECG, Spiroergometry, Echocardiography, MRT, Patient examination, Sport surgery- operating room, ambulance, rehabilitation, physiotherapy

Department of Internal Medicine and Oncology (BOK)

1083 Budapest, Korányi Sándor u. 2/A
Phone: +361/459-1500 ext. 51465 Dr. Péter Studinger
Head of the Department: Prof. Dr. István Takács

Department of Internal Medicine and Haematology (BHK)

1088 Budapest, Szentkirályi u. 46.
Phone: +361/375-4364; +3620/825-0949 Dr. Katalin Keltai
Head of the Department: Prof. Dr. Tamás Masszi

Department of Laboratory Medicine

1089 Budapest, Nagyvárad tér 4.
Phone: +361/210-0278; 20/825-9753 Dr. Miklós Molnár
Head of the Department: Prof. Dr. Barna Vásárhelyi

Medical Imaging Centre

1082 Budapest, Üllői út 78/A
Phone: +361/459-1500; +3620/825-9215
Tutor: Dr. Zsuzsanna Földes-Lénárd
E-mail address: lenard.zsuzsanna@semmelweis.hu
Head of the Department: Dr. Pál Maurovich Horvat
E-mail address: okk.oktatas@semmelweis.hu, maurovich.horvat.pal@semmelweis.hu
Obligatory subjects: Medical Imaging
Elective/Optional subjects: Six-week Facultative course

Institute of Medical Microbiology

1089 Budapest, Nagyvárad tér 4.
Phone: 459-1500/56101 Dr. Ágoston Ghidán,
Head of the Institute: Prof. Dr. Dóra Szabó

Department of Military, Disaster, and Law Enforcement Medicine

1091 Budapest, Üllői út 25. II/209.; +36 (20) 825 0327
Head of the Department: Prof. Dr. János Gál
E-mail: katasztrofa@semmelweis.hu
Elective/Optional subjects: Disaster Medicine

Institute of Biochemistry and Molecular Biology**Department of Molecular Biology**

1094 Budapest, Tűzoltó u. 37-47.
Phone: +361/2662615
www: <https://semmelweis.hu/molekularis-biologia/en/>
Head of Department: Prof. Dr. Miklós Csala
Tutor: Dr. Gergely Keszler
E-mail: keszler.gergely@semmelweis.hu
Obligatory subjects: Medical Chemistry; Molecular Cell Biology 1 & 2
Elective/Optional subjects: Basics of Medical Chemistry; Methods in Molecular Biology; Molecular Medicine Research; Pathobiochemistry; Signal transduction and targeted therapy

Department of Neurology

1083 Budapest, Balassa u. 6.
tel.: +36 + 2100330
Head of Department: Prof. Dr. Tibor Kovács
Tutor: Dr. Róbert Debreczeni
E-mail: debreczeni.robert@semmelweis.hu
– Faculty of Medicine
Dr. Gertrúd Tamás
E-mail: tamas.gertrud@semmelweis.hu
– Faculty of Dentistry
Obligatory subjects: Neuroanatomy IV.; Pathology II.; Internal Medicine III. (cardiology); Radiology
Elective/Optional subjects: Physiology, Pathophysiology

Department of Neurosurgery

1145 Budapest XIV., Amerikai út 57.
Phone: +361/467-9325
Head of the Department: Prof. Dr. Péter Banczerowski

Department of Obstetrics and Gynecology

1088 Budapest Baross u. 27.
Phone: +3620/663-2430 Dr. Gyula Richard Nagy
1082 Budapest, Üllői út 78/A
Phone: +3620/670-1728 Dr. Márton Keszthelyi
Head of the Department: Prof. Dr. Nándor Ács

Department of Oncology – National Institute of Oncology

1122 Budapest, Ráth György u. 7-9.
Phone: +361/224-8600 ext. 3186 Dr. Péter Ágoston
Head of the Department: Prof. Dr. Csaba Polgár

Department of Ophthalmology

1085 Budapest, Mária u. 39.
Phone: +3620/825-8467 Dr. Dorottya Szabó (Med.),
+3620/663-2761 Dr. Mónika Ecsedy (Dent.)
Head of the Department: Prof. Dr. Zoltán Zsolt Nagy

Department of Orthopedics

1083 Budapest, Korányi Sándor utca 2.
Phone: +3620/472-0877 Dr. Gergely Holnapy
Head of the Department: Prof. Dr. György Szőke

Department of Otorhinolaryngology, Head and Neck Surgery

1083 Budapest, Szigony u. 36.
Phone: +3620/973-3424 Dr. Beáta Bencsik
Head of the Department: Prof. Dr. László Tamás
Phone: +361/334-2384

Department of Otorhinolaryngology, Head and Neck Surgery

1083 Budapest, Szigony u. 36.
Phone: +3620/670-1785 Dr. Ede BIRTALAN
Head of the Department: Dr. Habil. Gábor POLONY
Phone: +361/333-3336

Department of Pathology, Forensic and Insurance Medicine

1091 Budapest, Üllői út 93.
Website: <https://semmelweis.hu/patologia2/en/>
E-mail: titkarsag.piboi@semmelweis.hu
Head of the Department: Prof. Dr. András KISS
Obligatory subjects:
Pathology
Tutor: Dr. Bianka PENCZ
E-mail: pencz.bianka@semmelweis.hu
Forensic medicine
Tutor: Dr. Zsófia ALMÁDI
E-mail: almadi.zsofia@semmelweis.hu

Department of Pathology and Experimental Cancer Research

1085 Budapest, Üllői út 26. Phone: +36 1 317 1074, +36 1 266 1638, E-mail: titkarsag.lpath@semmelweis.hu
<https://semmelweis.hu/patologia/en/>
Head of Department: Dr. Prof. Dr. András MATOLCSY
Tutor: Dr. Gergely RÁCZ (Medicine)
E-mail: racz.gergely@semmelweis.hu
Obligatory subjects: Pathology I., Oral Pathology
Elective/Optional subjects: Pathology Elective
Tutor: Dr. Botond TÍMÁR (Dentistry)
E-mail: timar.botond@semmelweis.hu
Obligatory subjects: Pathology, Pathology II

Pediatric Center

<https://semmelweis.hu/gyermekklinika/>
Head of the Center: Prof. Dr. Attila Szabó

Bókay Street Department

1083 Budapest, Bókay János u. 53-54., Phone: +361/334-3186 ext. 52631
<https://semmelweis.hu/bokayklinika/>
Tutor: Dr. Dóra Krikovszky (Med. 5th year)
E-mail: krikovszky.dora@semmelweis.hu,
education.bokay@semmelweis.hu
Dr. Zita Boczkó (Med. 5th year)
E-mail: boczko.zita@semmelweis.hu,
education.bokay@semmelweis.hu
Dr. Ádám Balogh (Med. 6th year)
E-mail: balogh.adam@semmelweis.hu,
education.bokay@semmelweis.hu
Obligatory subjects: Pediatrics 5th year
Pediatrics 6th year
Elective/Optional subjects: Neonatology

Department of Neonatology

<https://semmelweis.hu/bokayklinika/oktatas/neonatologia-tanszek/>
Head of the Department: Prof. Dr. Miklós Szabó
E-mail: szabo.miklos@semmelweis.hu,
neonatologia@semmelweis.hu
Elective/Optional subjects: Course on human lactation and breastfeeding - theory, support and promotion

Tűzoltó Street Department

1094 Budapest, Tűzoltó. u. 7-9.
Phone: +361/215-1380 ext. 52800 Dr. Klára Horváth (Med.),
Dr. Zsófia Gács (Dent.)

Department of Pediatric Hemato-Oncology

Head of the Department Section: Prof. Dr. Gábor Kovács

Department of Pharmacology and Pharmacotherapy

1089 Budapest, Nagyváradi tér 4.
Phone: +361/210-2930 ext. 56267 Dr. Pál Riba
Head of the Department: Prof. Dr. Péter Ferdinandy

Physical Education and Sportcenter

1107 Budapest, Zágrábi út 14.
Phone: +36/20-825-0667
Director: Kornélia Várszegi

Department of Physiology

1094 Budapest, Tűzoltó u. 37-47.
Phone: +361/266-9180 ext. 60450 Dr. András Balla
Head of the Department: Prof. Dr. Attila Mócsai

Institute of Preventive Medicine and Public Health

1089 Budapest, Nagyváradi tér 4.
Phone: +36-20-825-0596 Dr. Ferenc Horváth
Head of the Institute: Prof. Dr. Zoltán István Ungvári

Department of Pulmonology

1083 Budapest, Tömő u. 25-29.
Phone: +36 1 355-9733
<https://semmelweis.hu/pulmonologia/>
Head of the Department: Prof. Dr. Veronika Müller
Tutor: Dr. Gábor Horváth +3620/825-025
E-mail: horvath.gabor@semmelweis.hu
Obligatory subjects:
Pulmonology and thoracic surgery
Elective/Optional subjects:
Sleep-related Breathing Disorders – Practical Aspects;
Cardiopulmonary clinical physiology and rehabilitation -
Practical aspects

Department of Physical Medicine and Rehabilitation

1121 Budapest, Szanatórium utca 19.
Phone: +361/391-1903
<https://semmelweis.hu/rehab/en/about-us/>
Head of the Department: Dr. Zoltán Dénes
E-mail: denes.zoltan@semmelweis.hu
Tutor: Dr. Orsolya Masát
E-mail: masat.orsolya@semmelweis.hu
Obligatory subjects: Rehabilitation medicine

Department of Rheumatology and Immunology

1023 Budapest, Frankel Leó út 25-29., Phone: +36 1 438 8300
Head of the Department: Prof. Dr. György Nagy
Tutor: Dr. Tamás Németh,
E-mail: nemeth.tamas@semmelweis.hu
Obligatory subjects: Rheumatology and immunology
(as part of Internal Medicine II)
Elective/optional subjects: Inflammatory musculoskeletal
and systemic autoimmune diseases from alpha to omega

Department of Surgery, Transplantation and Gastroenterology

1082 Budapest, Üllői út 78. Tel.: +36 1 333 5343
E-mail: steg@semmelweis.hu, oktatas.sebl@semmelweis.hu
<https://semmelweis.hu/sebeszet/en/>
Head of Department: Prof. Dr. Attila SZIJÁRTÓ
Tutor: Dr. Kristóf Illés
E-mail: illes.kristof@semmelweis.hu
Obligatory subjects: Surgery, Surgery I-II, Surgery summer practice
Elective/Optional subjects: Six-week Facultative course,
Organtransplantation: basic principles and special aspects,
Introduction to principles of students' scientific research

Department of Transfusion Medicine

1089 Budapest, Nagyvárad tér 4. 16th floor
Phone: +361/459-1500 ext. 56157
Head of the Department: Prof. Dr. Attila Tordai

Department of Thoracic Surgery

1122 Budapest, Ráth György u. 7-9.
Phone: +36 1 224 8600 / ext. 3385 Éva Erdőfi
Head of the Department: Prof. Dr. Ferenc Rényi-Vámos

Institute of Translational Medicine

1094 Budapest, Tűzoltó u. 37-47.
Phone: +361/210-0306, 459-1500/60300 ext. 56482
Dr. Miklós Mózes (Med.) ext. 60302 Dr. Anna Monori-Kiss
Head of the Department: Prof. Dr. Zoltán Benyó

Department of Traumatology

1083 Budapest, Korányi Sándor u. 2., Phone: +3620/825-8680
<https://semmelweis.hu/traumatologia/department-of-traumatology-general-information/>
Head of the Department: Dr. Tamás Bodzay
Tutor: Dr. Dániel Koczka
E-mail: office.trauma@semmelweis.hu
Obligatory subjects:
Traumatology and Orthopedics
Traumatology (rotation)
Elective/Optional subjects:
Artificial Intelligence in Diagnostics and Surgery Planning

Department of Urology

1082 Budapest, Üllői út 78/B
Phone: +3620/825-8753 Dr. András Horváth
Head of the Department: Prof. Dr. Péter Nyirády

Department of Vascular and Endovascular Surgery

1122 Budapest, Gaál József u. 9-11.
Phone: +361/458-6700
Head of the Department: Prof. Dr. Péter Sótónyi

National Ambulance Service

1055 Budapest, Markó utca 22.
Phone: 350-3737
Director-General: Dr. Gábor Csató M. D.

Physical Education and Sportcenter

www.semmelweis.hu/sportkozpont/en
Address: 1107 Budapest, Zágrábi út 14.
Phone: +36/20-825-0667
Head of department: Kornélia Várszegi
Tutor: Andrea Szemendri and Helga Ruzsonyi
E-mail: titkarsag.tsk@semmelweis.hu
Obligatory subjects: Physical education I.; Physical Education II.; Physical Education III.; Physical Education IV.; Physical Education V.; Physical Education VI.; Physical Education VII.; Physical Education VIII.; Physical Education IX.; Physical Education X.; Physical Education XI.; Physical Education XII.;
Elective/Optional subjects: Sport and Lifestyle 1.; Sport and Lifestyle 2.; Sport and Lifestyle 3.; Sport and Lifestyle 4.; Sport and Lifestyle 5.; Sport and Lifestyle 6.

Institute of Genomic Medicine and Rare Disorders

1085 Budapest Gyulai Pál Str . 2. Tel: + 36 -1 4591483
<https://semmelweis.hu/genomikai-medicina/en/>
Head of Department: Dr. Maria Judit MOLNAR
Tutor: Dr. Viktor MOLNAR
E-mail: molnar.viktor@semmelweis.hu
Obligatory subjects: Clinical genetics
Elective/Optional subjects: Disruptive technologies in medicine

Department of Endocrinology

1083 Budapest, Korányi S. u. 2/A, Tel.: +36 1 2660816
<https://semmelweis.hu/endokrinologia/en/>
Head of Department: Dr. Peter IGAZ
Tutor: Dr. Peter IGAZ
E-mail: igaz.peter@semmelweis.hu
Obligatory subjects: -
Elective/Optional subjects: Genetics of Endocrine Diseases, Endocrine Oncology

Semmelweis University, Faculty of Dentistry

Department of Dental Public Health

1088 Budapest, Szentkirályi u. 40.
Phone: +361/317-6600 ext. 60715
semmelweis.hu/fszo
Head of the Department: Dr. Kivovics Márton
Tutor: Dr. Szathmári-Mészáros Noémi Kitti
szathmari-meszáros.noemi.kitti@semmelweis.hu
Obligatory subjects: Emergency Dentistry I-II.
Gerostomatology
Elective/Optional subjects:

Department of Preclinical Dentistry

1088 Budapest, Szentkirályi u. 47.
Phone: +361/459-1500 ext. 59112
email: fprop@semmelweis.hu

Head of the Department: Prof. Dr. Krisztina Márton
tutor: Dr. Anna Júlia Dézsi email: dezsi.anna@semmelweis.hu
Obligatory subject: General Dental Preclinical Practice,
Summer Practice of Dental Assistance

Department of Oral Biology

1089 Budapest, Nagyvárad tér 4.
Phone: +361/210-4415 ext. 56420 Dr. Kristóf Kádár
Head of the Department: Dr. Ákos Zsembery

Department of Oral Diagnostics

1088 Budapest, Szentkirályi u. 47.
Phone: +361/317-1044 ext. 59161
Head of the Department: Prof. Dr. Csaba Dobó Nagy

Department of Oro-Maxillofacial Surgery and Stomatology

1085 Budapest, Mária u. 52.

Phone: +361/266-0456

Head of the Department: Prof. Dr. Zsolt Németh med.habil

Tutors: Prof. Dr. Zsolt Németh med. habil. +361/266-0456 (Medicine)

Dr. Kinga Körmöczi +361/266-0457 ext. 55895 (Dentistry)

Obligatory subjects:

Maxillofacial surgical skills cadaver course Oral Surgery and Dentistry (Faculty of Medicine)

Dento-Alveolar summer practice, Oral and maxillofacial surgery I-V, Implantology I-II, Oral and maxillofacial surgery, Preclinical course

(Faculty of Dentistry)

Elective/optional: Preclinical practical training in oral surgery and periodontology II.

Department of Orthodontics

1088 Budapest, Szentkirályi u. 47.

Phone: +361/318-0011 ext. 59270 Dr. Miklós Kaán

Department of Periodontology

1085 Budapest, Szentkirályi u. 47.

Phone: +361/318-0011 ext. 59190 Dr. Pál György Nagy

Head of the Department: Prof. Dr. Péter Windisch

Department of Prosthodontics

1088 Budapest, Szentkirályi u. 47.

Phone: +361/318-0011 ext. 59340 Dr. Dénes Palaszkó

Head of the Department: Prof. Dr. Péter Hermann

Department of Restorative Dentistry and Endodontics

1088 Budapest, Szentkirályi u. 47.

Phone: +361/318-0011 ext. 59378 Dr. Zsolt Lohinai

Head of the Department: Dr. János Vág

Department of Pedodontics and Orthodontics

1085. Budapest, Szentkirályi utca 47. Tel.: +36 1 -318-0011, +36 1-459-1500 Ext: 59268

gyerfog.fogszab.klinika@semmelweis.hu

Head of Department: Prof. Dr. habil Noémi Katinka Rózsa

Tutor: Dr. László Miklós Kaán PhD

E-mail: kaan.miklos@semmelweis.hu Ext: 59270

Obligatory subjects: Orthodontic pre-clinical (4), Pedodontics (5), Orthodontics (5)

Elective/Optional subjects: Pedodontic and Orthodontic

Prevention, Orthodontic diagnostics I - II., Digital orthodontics

Physical Education and Sportcenter

www.semmelweis.hu/sportkozpont/en

Address: 1107 Budapest, Zágrábi út 14.

Phone: +36/20-825-0667

Head of department: Kornélia Várszegi

Tutor: Andrea Szemendri and Helga Ruzsonyi

E-mail: titkarsag.tsk@semmelweis.hu

Obligatory subjects: Physical education I.; Physical Education II.; Physical Education III.; Physical Education IV.; Physical Education V;

Physical Education VI.; Physical Education VII.; Physical

Education VIII.; Physical Education IX.; Physical Education X.;

Institute of Biochemistry and Molecular Biology**Department of Medical Biochemistry**

1094 Budapest, Tűzoltó u. 37-47.

Phone: +361/459-1500 ext. 60024, 60023, 60022 Dr. Christos Chinopoulos

Head of the Department: Prof. Dr. László Csanády

Tutor: Dr. Christos Chinopoulos

E-mail: chinopoulos.christos@semmelweis.hu

Obligatory subjects: Dental Biochemistry I, Dental Biochemistry II

Department of Pharmacology and Pharmacotherapy

1089 Budapest, Nagyvárad tér 4.

Phone: +361/210-2930 ext. 56270

<https://semmelweis.hu/pharmacology/en/>

Head of the Department: Prof. Dr. Péter Ferdinandy

Tutor: Dr. Pál Riba, riba.pal@semmelweis.hu +361/210-2930 ext. 56267

Obligatory subjects: *Pharmacology I, Pharmacology II*

Elective subjects: *Medicinal, Epidemiological, and Social Aspects of Drug Abuse, Clinical Pharmacology in Dental Practice*

Semmelweis University, Faculty of Pharmaceutical Sciences

Institute of Organic Chemistry

1092 Budapest, Högyes Endre u. 7., Phone: +361/476-3600 ext. 53006

<https://semmelweis.hu/orgchem/en/>

Head of the Institute: Dr. István MÁNDITY

Tutor: Dr. Petra DUNKEL

E-mail: dunkel.petra@semmelweis.hu

Obligatory subjects: Organic Chemistry I. (GYKSZK337E1A).

Organic Chemistry II. (GYKSZK337E2A)

Elective/optional subjects: Basics of Organic Chemistry

I. (GYSSZK372E1A), Basics of Organic Chemistry II.

(GYSSZK372E2A), Name Reactions in Organic Chemistry

(GYSSZK207E1A)

University Pharmacy, Department of Pharmacy Administration

1092 Budapest, Högyes Endre u. 9.

Phone: +361/476-3600 ext. 53053

Head of the Institute: Prof. Dr. Romána ZELKÓ

zelko.romana@semmelweis.hu

Tutor: Dr. Ágnes MÉSZÁROS

meszaros.agnes@semmelweis.hu

Obligatory subjects:

- Clinical Pharmacy
- History of Pharmaceutics and the University
- Pharmaceutical Care
- Pharmaceutical Propedeutics
- Pharmacy Administration
- Pharmacy Management

Elective/Optional subjects:

- Clinical Pharmacy Practice
- Counselling Travellers in the Pharmacy

Department of Pharmaceutical Chemistry

1092 Budapest, Hőgyes Endre u. 9., Phone: +36 1 217-0891
<https://semmelweis.hu/gyogyszereszi-kemia/information/>
Head of Department: Prof. Dr. György Tibor Balogh
Tutors: Dr. Tamás Pál (1st year),
E-mail: palla.tamas@semmelweis.hu
Dr. Gergő Tóth (2nd and 4th year),
E-mail: toth.gergo@semmelweis.hu
Dr. Márta Mazákné Krasznai (3rd year),
E-mail: krasznai.marta@semmelweis.hu
Obligatory subjects: General chemistry, Inorganic chemistry, Analytical chemistry, Pharmaceutical chemistry and analysis, Instrumental pharmaceutical analysis
Elective/Optional subjects: Basics of general chemistry, Calculation problems in general and inorganic chemistry

Department of Pharmaceutics

1092 Budapest, Hőgyes Endre u. 7.
Phone: +361/476-3600 ext. 53017 Dr. Krisztina Ludányi
Head of the Department: Prof. Dr. István Antal

Department of Pharmacognosy

1092 Budapest, Knézits utca 14. Phone: +361/459 1500 ext. 55206
<https://semmelweis.hu/farmakognozia/en/>
Head of Department: Dr. Ágnes Alberti-Dér
Tutor: Dr. Eszter Riethmüller
E-mail: riethmuller.eszter@semmelweis.hu
Obligatory subjects:
Pharmaceutical botany
Pharmacognosy I-II.
Phytotherapy

Department of Pharmacology and Pharmacotherapy

1089 Budapest, Nagyvárad tér 4.
Phone: +361/210-2930 ext. 56270
<https://semmelweis.hu/pharmacology/en/>
Head of the Department: Prof. Dr. Péter Ferdinandy
Tutor: Dr. Pál Riba, riba.pal@semmelweis.hu +361/210-2930 ext. 56267
Obligatory subjects: Pharmacology I, Pharmacology II, Clinical Pharmacology
Elective subjects: Medicinal, Epidemiological, and Social Aspects of Drug Abuse

Center for Health Technology Assessment

1091 Budapest, Üllői út 25. (4 floor) 415. Phone: +3620/670-1878
<https://semmelweis.hu/hta/en/>
Head of Department: Dr. András Inotai
Tutor: Dr. András Inotai E-mail: inotai.andras@semmelweis.hu
Obligatory subjects: Pharmacoeconomics
Elective/Optional subjects: Pharmacoeconomics

Department of Pharmacodynamics

1085 Budapest, Nagyvárad tér 4., Tel.: +36 1 201-4411,
E-mail: oktatas.gyhi@semmelweis.hu
<https://semmelweis.hu/gyogyszerhatastan/en/>
Head of Department: Dr. Tamás TáBI
Tutor: Dr. Gabriella JUHÁSZ (Basic medical pathophysiology)
E-mail: juhasz.gabriella@semmelweis.hu
Dr. Éva SZÖKŐ (Drug therapy)
E-Mail: szoko.eva@semmelweis.hu
Dr. László TÓTHFALUSI (Mathematics for pharmacists, Statistics for pharmacists)
E-mail: tothfalusi.laszlo@semmelweis.hu
Dr. Zoltán Patrik LINCMAJER (Pharmacology and toxicology)
E-mail: lincmajer.zoltan.patrik@semmelweis.hu
Obligatory subjects: Pharmacology and Toxicology I, II and III
Basic medical pathophysiology I and II
Drug therapy
Mathematics for pharmacists
Statistics for pharmacists
Elective/Optional subjects: Preclinical and clinical neuropsychopharmacology and psychopharmacogenetics

Physical Education and Sportcenter

www.semmelweis.hu/sportkozpont/en
Adress: 1107 Budapest, Zágrábi út 14.
Phone: +36/20-825-0667
Head of department: Kornélia Várszegi
Tutor: Andrea Szemendri and Helga Ruzsonyi
E-mail: titkarsag.tsk@semmelweis.hu
Obligatory subjects: Physical education I.; Physical Education II.; Physical Education III.; Physical Education IV.; Physical Education V.; Physical Education VI.; Physical Education VII.; Physical Education VIII.; Physical Education IX.;

Institute of Biochemistry and Molecular Biology

Department of Medical Biochemistry

1094 Budapest, Tűzoltó u. 37-47.
Phone: +361/459-1500 ext. 60024, 60023, 60022 Dr. Christos Chinopoulos
Head of the Department: Prof. Dr. László Csanády
Tutor: Tamás Kósa
E-mail: kosa.tamas@semmelweis.hu
Obligatory subjects: Biochemistry I, Biochemistry II

Semmelweis University, Faculty of Health Sciences

Department of Addictology

1088 Budapest, Vas u. 17., room 312
Phone: +361/486-4919
Head of the Department: József Rácz MD, Ph.D., DSc.

Department of Applied Psychology

1088 Budapest, Vas u. 17., room 343/A
Phone: +361/486-4919
Acting Head of the Department: College Professor Ildiko Baji M.D., Ph.D.

Department of Clinical Ophthalmology

1088 Budapest, Vas u. 17., room 20
Phone: +361/486-5855
Head of the Department: Dr. Illés Kovács M.D., Ph.D.

Department of Clinical Studies

1088 Budapest, Vas u. 17., room F/9
Phone: +361/486-5970
Head of the Department: Dr. Klára Gadó Ph.D., M.D.

Department of Clinical Studies in Obstetrics and Gynaecology

1088 Budapest, Vas u. 17., room 144
Phone: +361/486-4890
Head of the Department: János Rigó M.D., Ph.D., D.Sc.

Department of Dietetics and Nutrition Sciences

1088 Budapest, Vas u. 17., room 38
Phone: +361/486-4820
Head of the Department:
College Professor Dr. Éva Csobod Csajbókné

Department of Virtual Health Guide Methodology

1088 Budapest, Vas u. 17.
 Phone: +361/486-4919
 Head of the Department: Associate Professor Zoltán Tibor Lantos Ph.D.

Department of Public Health Sciences

1088 Budapest, Vas u. 17.
 Phone: +361/486-4870
 Head of the Department: College Professor Tamás Pándics Ph.D.

Department of Family Care Methodology

1088 Budapest, Vas u. 17., room 245
 Phone: +361/486-4840
 Head of the Department: Professor Lajos Attila Réthy M.D., Ph.D.

Department of Imaging and Medical Instrumentation

1088 Budapest, Vas u. 17., room 348
 Phone: +361/486-5960
 Head of the Department: Associate Professor Attila Doros M.D., Ph.D.

Department of Morphology and Physiology

1088 Budapest, Vas u. 17., room 345
 Phone: +361/486-4940
 Head of the Department: College Professor Gabriella Dörnyei Ph.D.

Department of Nursing

1088 Budapest, Vas u. 17., room 150
 Phone: +361/486-5936
 Head of the Department: Professor Zoltán Balogh RN, PT, M.Sc., Ph.D.

Department of Oxyology and Emergency Care

1088 Budapest, Vas u. 17., room 145
 Phone: +361/486-5840
 Head of the Department: Associate Professor Andrea Székely M.D., Ph.D.

Department of Physiotherapy

1088 Budapest, Vas u. 17., room 305
 Phone: +361/486-5980
 Head of the Department: Professor Dr. Mónika Horváth Ph.D.

Department of Social Sciences

1088 Budapest, Vas u. 17., room 312
 Phone: +361/486-4910
 Head of the Department: Helga Judit Feith Ph.D.

Department of Voice, Speech and Swallowing Therapy

1088 Budapest, Vas u. 17.
 Phone: +361/486-4981
 Head of the Department: Professor László Tamás MD, PhD

Division of Physical Education

1088 Budapest, Vas u. 17., room 421
 Phone: +361/486-5850
 Head of the section: Gábor Soós

CENTRAL EDUCATIONAL AND RESEARCH ORGANIZATIONAL UNITS

Central Library

1088 Budapest, Mikszáth Kálmán tér 5., Tel.: +36 1 459-1500 ext. 60500
<https://lib.semmelweis.hu>
 Head of Department: Péter SZLUKA
 Tutor: Anna BERHIDI
 E-mail: berhidi.anna@semmelweis.hu
 Elective/Optional subjects: Library Informatics

Institute of Languages For Specific Purposes

<https://semmelweis.hu/szaknyelv/en/>
 1091 Budapest Üllői út 25. Tel. +36 20 666 3424
 Head of Department: Dr. habil. Katalin FOGARASI
 Tutor: Rita SARKADI-NAGY
 Tel.: +36 30 0164229 E-mail: sarkadi-nagy.rita@semmelweis.hu
 Tutor: Gábor GYENES
 Tel.: +36 30 0164487 E-mail: gyenes.gabor@semmelweis.hu
 Katalin LESKÓNÉ DR. DELBÓ
 Tel.: +36 30 8771986
 E-mail: leskone.delbo.katalin@semmelweis.hu
 Obligatory subjects: Medical Terminology, Medical Hungarian

Elective/Optional subjects: Medical Hungarian for Advanced Learners, English Preparatory Course for the OSCE Doctor-Patient Communication, Simulation-based medical communication training in cooperation with Columbia University, English for Specific Purposes, Preparation Course for the University Elementary Exam in English for Medical Purposes, Preparation Course for the University Elementary Exam in German for Medical Purposes, Introduction to German for Medical Purposes, German for Specific Purposes, Introduction to French for Medical Purposes, Preparation Course for the University Elementary Exam in French for Medical Purposes, French for Specific Purposes, Introduction to Spanish for Medical Purposes, Preparation Course for the University Elementary Exam in Spanish for Medical Purposes, Spanish for Specific Purposes, Introduction to Italian for Medical Purposes, Preparation Course for the University Elementary Exam in Italian for Medical Purposes, Italian for Specific Purposes, Introduction to Russian for Medical Purposes, Preparation Course for the University Elementary Exam in Russian for Medical Purposes

EMBASSIES

To find the contact information of your Embassy in Hungary, please visit:

<http://www.embassypages.com/hungary>

FACULTY OF MEDICINE



BASIC MODULE

First year in the 2026/2027 academic year

STUDY PROGRAMME

Please note that the subject descriptions for all subjects in a searchable PDF format can be found under the following link:

<https://semmelweis.hu/registrar/medicine/curriculum-medicine/>

1st Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Cell Science	AOKGEN666_1A	1	2					3	-	examination
Medical Chemistry	AOKMBT829_1A	3	3					6	-	examination
Macroscopic Anatomy and Embryology I	AOKANT1089_1A	2	6					8	-	examination
Medical Biophysics I	AOKFIZ1090_1A	1	3					4	-	examination
Medical Terminology	AOKNYE1125_1A					28		2	-	pract. examination
Medical Communication	AOKMAG1091_1A				1	18		3	-	examination
Medical Hungarian I	AOKNYE906_1A		4					2	-	pract. mark
Physical Education (PE) I	AOKTSI1093_1A		1					1	-	pract. mark
History of Medicine and Semmelweis University	AOKNEI1144_1A	2						2	-	pract. examination
Artificial Intelligence as a Learning Tool	AOKBIN1271_1A				1	13		0		signature (criterion requirement)
OBLIGATORY ELECTIVE COURSES										
Basics of Medical Chemistry	AOVMBT797_1A	2						3	-	pract. mark
Mathematical and Physical Basis of Medical Biophysics	AOVFIZ1097_1A	1	1					2	-	pract. mark
Sport and Lifestyle 1.	AOVTSI1098_1A		1					1	-	pract. mark

2nd Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Medical Biochemistry I	AOKBMT1099_1A	2	2					4	Medical Chemistry	examination
Macroscopic Anatomy and Embryology II	AOKANT1089_2A	4	6					10	Macroscopic Anatomy and Embryology I	comprehensive examination
Microscopic Anatomy and Embryology I.	AOKANT854_1A	1	4					5	Cell Science	examination
Medical Biophysics II	AOKFIZ1090_2A	1	2.5					3	Medical Biophysics I	comprehensive examination
Introduction to Patient Care	AOKCSA1203_1A	0.5	1.5					2	-	pract. mark
Medical Hungarian II.	AOKNYE906_2A		4					2	Medical Hungarian I	pract. mark
First Aid	AOKSGO1092_1A	1	1					2	-	pract. mark
Physical Education (PE) II	AOKTSI1093_2A		1					1	-	pract. mark
Summer Practice - Nursing	AOKNSG1127_1A					168		3	-	pract. examination
OBLIGATORY ELECTIVE COURSES										
Medical Informatics	AOVDEI1126_1A		1	2				2	-	pract. examination
Development of Basic Medical Skills and Professional Socialization	AOSMAG1247_1A					28		3	-	pract. Examination
Sport and Lifestyle 2.	AOVTSI1098_2A		1					1	-	pract. mark
Terminology of Clinical Specialties	AOVNYE1130_1A			2				2	Medical Terminology	pract. examination

FACULTY OF MEDICINE



BASIC MODULE

Second year in the 2026/2027 academic year

STUDY PROGRAMME

3rd Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Microscopic Anatomy and Embryology II.	AOKANT674_2A	2	2					4	Microscopic Anatomy and Embryology I, Macroscopic Anatomy and Embryology II, Cell Science	comprehensive examination
Medical Physiology I.	AOKELT1100_1A	6	5					11	Macroscopic Anatomy and Embryology II, Medical Biophysics II, Medical Biochemistry I	examination
Medical Biochemistry II.	AOKBMT794_2A	3	2					5	Medical Biochemistry I	comprehensive examination
Molecular Cell Biology I.	AOKMBT1101_1A	2,5	2					4	Medical Chemistry, Medical Biochemistry I	examination
Medical Genetics and Immunology I.	AOKGEN1102_1A	2	1,5					3	Macroscopic Anatomy and Embryology II, Medical Biochemistry I	examination
Medical Psychology	AOKMAG1079_1A	1		2,5				4	Medical Communication	examination
Medical Sociology	AOKMAG1208_1A				8	2		2	Medical Communication	examination
Introduction to Clinical Medicine	AOKCSA1202_1A				12	18		2	Introduction to Patient Care	pract. mark
Medical Hungarian III.	AOKNYE906_3A		4					2	Medical Hungarian II	pract. mark
Physical Education (PE) III	AOKTSI1093_3A		1					1	Physical Education (PE) I *	pract. mark
OBLIGATORY ELECTIVE COURSES										
Sport and Lifestyle 3.	AOVTSI1098_3A		1					1	-	pract. mark
Introduction to principles of students' scientific research (TDK)	AOSSBG1229_1A	2						2	Medical Biophysics I, Medical Biochemistry I, Macroscopic Anatomy and Embryology	pract. mark on a three-grade rating scale

4th Semester

Course name	Neptun code	lecture (h/week)		lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES											
Medical Microbiology I.	AOKMIK1106_1A	2	3					5	Medical Biochemistry II	examination	
Medical Physiology II.	AOKELT1100_2A	6	5					11	Medical Physiology I, Microscopic Anatomy and Embryology II	comprehensive examination	
Molecular Cell Biology II.	AOKMBT795_2A	3	2					5	Molecular Cell Biology I, Medical Biochemistry II	comprehensive examination	
Medical Genetics and Immunology II.	AOKGEN1102_2A	2	2					4	Molecular Cell Biology I, Medical Biochemistry II, Medical Genetics and Immunology I	comprehensive examination	
Medical Hungarian IV.	AOKNYE906_4A		4					2	Medical Hungarian III	comprehensive examination	
Physical Education (PE) IV	AOKTSI1093_4A		1					1	Physical Education (PE) II *	pract. mark	
OBLIGATORY ELECTIVE COURSES											
Work within the Union of Research Students (TDK)***	AOSTDK...A	1						1+	-	pract. mark on a three-grade rating scale	
Clinical practice**	AOVKLM...A		1					1	-	pract. mark	
Sport and Lifestyle 4.	AOVTSI1098_4A		1					1	-	pract. mark	
Orchestra of Medical Students / Semmelweis University Choir	SEFPKZOMZ_1 / SEPAKHTISEK_01		2					1	-	signature	

FACULTY OF MEDICINE



PRE-CLINICAL MODULE

Third year in the 2026/2027 academic year

STUDY PROGRAMME

5th Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Pharmacology I	AOKFRM1108_1A	2	3					5	Medical Microbiology I, Molecular Cell Biology II, Medical Physiology II	examination
Medical Microbiology II.	AOKMIK022_2A	1,5	2					3	Medical Microbiology I	comprehensive examination
Pathology I	AOKPIB1110_1A, AOKPTK1109_1A	4	4					8	Medical Physiology II, Macroscopic Anatomy and Embryology II, Microscopic Anatomy and Embryology II	examination
Clinical Pathophysiology I.	AOKTLM1270_1A	2	1,5					3	Medical Physiology II, Macroscopic Anatomy and Embryology II, Medical Biochemistry II	examination
Internal Medicine – Propedeutics	AOKBHK1111_1A, AOKBOK1112_1A							3	Medical Physiology II OR Medical Genetics and Immunology II , Macroscopic Anatomy and Embryology II, Introduction to Patient Care	examination
Medical Statistics, Informatics and Telemedicine	AOKFIZ974_1A	1	1,5					2	Medical Biophysics II	examination
Clinical ECG	AOKKAR680_1A	1	2					3	Medical Biophysics II, Medical Physiology I	examination
Physical Education V	AOKTSI009_5A		1					0	Physical Education (PE) III *	signature
OBLIGATORY ELECTIVE COURSES										
Teaching assistance (Demonstrator)****	AOSDEM...A		1					1	Macroscopic Anatomy and Embryology II	pract. mark
Work within the Union of Research Students (TDK)***	AOSTDK...A	1						1+		pract. mark on a three-grade rating scale
Introduction to the Methodology of Clinical Research I. - Observational studies	AOVTLM967_1A	2						2		pract. mark
Clinical practice**	AOVKLM...A		1					1	-	pract. mark
Sport and Lifestyle 5.	AOVTSI1098_5A		1					1	-	pract. mark
Orchestra of Medical Students / Semmelweis University Choir	SEFPKZOMZ_2 / SEPAKHTISEK_02		2					1		signature

6th Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Pharmacology II	AOKFRM1108_2A	2	3					5	Pharmacology I, Medical Microbiology II, Pathology I	comprehensive examination
Pathology II	AOKPIB1110_2A, AOKPTK1109_2A	4	4					8	Pathology I	comprehensive examination
Clinical Pathophysiology II.	AOKTLM1270_2A	2	1,5					3	Pathology I, Clinical Pathophysiology I	comprehensive examination
Basic Surgical Techniques	AOKKMI1210_1A	0,6	1,5					2	Medical Physiology II, Macroscopic Anatomy and Embryology II	examination
Medical Ethics, Bioethics and Medical Law	AOKMAG1195_1A	2						2	Medical Psychology, Medical Sociology	examination
Physical Education VI	AOKTSI009_6A		1					0	Physical Education (PE) IV*	signature
Summer Practice - Internal Medicine	AOKNSG1131_1A					168		3	Internal Medicine – Propedeutics*	pract. examination
OBLIGATORY ELECTIVE COURSES										
Teaching assistance (Demonstrator)****	AOSDEM...A		1					1	Macroscopic Anatomy and Embryology II	pract. mark
Work within the Union of Research Students (TDK)***	AOSTDK...A	1						1+		pract. mark on a three-grade rating scale
Introduction to the Methodology of Clinical Research II. - Experimental Studies	AOVTLM1132_2A	2						2	Introduction to the Methodology of Clinical Research I. - Observational studies	pract. examination
Clinical practice**	AOVKLM...A		1					2+		pract. examination
Orchestra of Medical Students / Semmelweis University Choir	SEFPKZOMZ_3 / SEPAKHTISEK_03		2					1		signature
Sport and Lifestyle 6.	AOVTSI1098_6A		1					1	-	pract. mark

FACULTY OF MEDICINE



CLINICAL MODULE

Fourth year in the academic year 2026/2027

STUDY PROGRAMME

Teaching is done in “clean” blocks: Theory + Practice + Exam. (Practices are taught by “shadowing”)
The time span of each block depends on the credit value of the subjects: 1 to 5 weeks

For example: based on a subject of 2 credits:

- 2 credits × 14 lessons = 28 lessons (1 semester consists of 14 weeks. The number of credits are equal with the lessons in a week)
- Education is provided as 8 lessons in a day: 4 days x 8 lessons = 32 lessons
- the training and the exam must be completed in 2 weeks
- approx. 40 students will be trained by providing 4 days of training and 2 days of exams within 10 working days.

7th–8th Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Internal Medicine I. (Metabolism, Endocrinology, Gastroenterology, Nephrology)	AOKBOK784_1A	2	5					7	Internal Medicine – Propedeutics, Pharmacology II, Pathology II	examination
Cardiology, Heart Surgery, Angiology, Vascular Surgery	AOKKAR1114_1A	2	5					7	Internal Medicine – Propedeutics, Pharmacology II, Clinical ECG	examination
Surgery	AOKSB1704_1A	3	3					6	Basic Surgical Techniques, Pathology II	examination
Traumatology and Orthopedics	AOKTRA1115_1A	1	4					5	Basic Surgical Techniques, Pathology II, Internal Medicine – Propedeutics	examination
Medical Imaging	AOKOKA750_1A	14	28					3	Medical Biophysics II, Translational Medicine and Pathophysiology II. / Clinical Pathophysiology II., Pathology II	examination
Otorhinolaryngology	AOKFUL1116_1A	1	1					2	Basic Surgical Techniques, Pathology II	examination
Dermatology	AOKBOR043_1A	1,5	2,5					4	Pharmacology II, Medical Microbiology II, Pathology II	examination
Oral Surgery and Dentistry	AOKSZB976_1A					2	8	2	Pathology II, Basic Surgical Techniques	examination
Ophthalmology	AOKSZE1207_1A				24	32		4	Internal Medicine – Propedeutics	examination
Pulmonology and Thoracic Surgery	AOKPUL751_1A	1,5	2,5					4	Internal Medicine - Propedeutics, Pharmacology II, Basic Surgical Techniques	examination
Laboratory Medicine	AOKLMI709_1A	1,5	1					3	Pharmacology II, Pathology II, Translational Medicine and Pathophysiology II.	examination
Emergency Medicine and Oxyology	AOKSGO891_1A	1	1,5					2	Internal Medicine - Propedeutics, Pharmacology I, Translational Medicine and Pathophysiology II / Clinical Pathophysiology II	examination
Clinical Pharmacology	AOKFRM1117_1A		3					3	Pharmacology II	examination
Family Medicine	AOKCSA1133_1A					12	8	2	Internal Medicine – Propedeutics, Pharmacology II, Laboratory Medicine*	pract. mark
Physical Education VII	AOKTSI009_7A		1					0	Physical Education (PE) V *	signature
Physical Education VIII	AOKTSI009_8A		1					0	Physical Education (PE) VI *	signature
OBLIGATORY ELECTIVE COURSES										
Disaster Management	AOVHT1070_1A				6	8		1		projectwork
Teaching assistance (Demonstrator)****	AOSDEM...A		1					1	Macroscopic Anatomy and Embryology II	pract. mark
Work within the Union of Research Students (TDK)***	AOSTDK...A	1						1+		pract. mark on a three-grade rating scale
Clinical practice, Advanced Level**	AOVKLM...A		1					1+		pract. mark
Orchestra of Medical Students / Semmelweis University Choir	SEFPKZOMZ_4 / SEPAKHTISEK_04		2					1		signature

FACULTY OF MEDICINE



ROTATION

Sixth year in the academic year 2026/2027

STUDY PROGRAMME

Comment:

Please read more about the rules concerning the criteria of selecting the foreign clinical practice positions and accepting the practice period spent abroad that can be found on our website <https://semmelweis.hu/registrar/>

Please note the following:

- 1. When not at Semmelweis University the one-week Traumatology is to be completed at a surgical department providing *neurochirurgia* as well.
- 2. It is strongly required to keep the instructions of the Examination and Studies Regulations concerning the requirements of the diploma work focusing especially on the deadlines.
- 3. The final exams can be done only on the exam dates published by the clinical departments of Semmelweis University.

Please note: there are no individual requests, and the rule should be kept strictly.

11th-12th Semester

Course name	Neptun code	lecture (h/week)	lecture (h/semester)	practice (h/week)	practice (h/semester)	seminar (h/week)	seminar (h/semester)	credit points	prerequisite(s)	examination
OBLIGATORY COURSES										
Internal Medicine (incl. 1 week Infectology and 1 week Family Medicine)	AOKBHK785_SA, AOKKAR662_SA, AOKBOK786_SA, AOKCSA645_SA, AOKSZL644_SA					320		8	Internal Medicine II, Medical Imaging, Pulmonology and Thoracic Surgery	comprehensive examination
Surgery (incl. 1 week Vascular Surgery, 1 week Traumatology)	AOKSB1646_SA, AOKSBE650_SA, AOKTRA651_SA					240		6	Traumatology and Orthopedics, Urology, Ophthalmology	comprehensive examination
Pediatrics	AOKGY1848_SA, AOKGY2849_SA					240		6	Internal Medicine II, Pediatrics, Clinical Genetics	comprehensive examination
Obstetrics and Gynecology	AOKNOI655_SA					16		4	Clinical Genetics, Obstetrics and Gynecology	comprehensive examination
Neurology	AOKNEU657_SA					12		3	Neurology and Neurosurgery	comprehensive examination
Psychiatry	AOKPSI658_SA					12		3	Psychiatry and Psychotherapy	comprehensive examination
Prehospital Emergency Medicine	AOKOMS1141_SA					8		2	Intensive Therapy and Anaesthesiology , Emergency Medicine and Oxyology, Traumatology and Orthopedics	pract. examination
Transfusion	AOKTRF1142_SA				4			1	Intensive Therapy and Anaesthesiology, Internal Medicine II	pract. examination
Six-week Facultative course	AOKANG1137_SA					24		5	Internal Medicine II, Surgery, The last course of the chosen field (announced in the 5th year at latest)	pract. examination
Physical Education XI	AOKTSI009_11A		1					0	Physical Education (PE) IX * , Physical Education (PE) X *	signature
Physical Education XII	AOKTSI009_12A		1					0	Physical Education (PE) XI *	signature
OBLIGATORY ELECTIVE COURSES										
Complementary elective internship practice (GMC elective)	AOSANG852_SA					200		5	Internal Medicine II, Obstetrics-Gynecology, Pediatrics	pract. mark



FACULTY OF DENTISTRY

STUDY PROGRAMME

Please note that the subject descriptions for all subjects in a searchable PDF format can be found under the following link:

<https://semmelweis.hu/registrar/dentistry/dentistry-curriculum/>

BASIC MODULE

1st Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Compulsory	Macroscopic Anatomy and Embryology I.	FOKOANT338_1A	6	84	14	0	70	1	0	5		
Compulsory	Biophysics I.	FOKOFIZ378_1A	4	56	14	0	42	1	0	3		
Compulsory	Physical Foundations of Dental Materials Science	FOKOFIZ307_1A	2	28	28	0	0	2	0	0		
Compulsory	Cell Science	FOKOGEN225_1A	3	42	14	0	28	1	0	2		
Compulsory	Medical Chemistry	FOKOMBT304_1A	4	56	28	0	28	2	0	2		
Compulsory	Physical Education I.	FOKOTSI380_1A	0	14	0	0	14	0	0	1		
Optional	Medical Terminology	FOKVNYE396_1A	2	28	0	0	28	0	0	2		
Optional	Introduction to the Hungarian language	FOKONYE399_1A	0	56	0	0	56	0	0	4		
Criterion requirement	Taken the Freshmen's Oath	FOKOANG395_1A	0									
	Sum of credits in the semester:		21									

The following "new" language requirements will be obligatory from the academic year 2024/25 in years I-II-III and will have to be completed in an ascending line from then on:

In the Dentistry Program, the condition of issuing a diploma in the foreign language programs: a final examination in Hungarian language. Students who participate in the English language program are required to be able to communicate in Hungarian which they shall prove by taking a Hungarian final examination. The abstract of the thesis/diploma work must be attached to the finalized and submitted thesis/diploma work in Hungarian in accordance with the formal and content requirements. As a new criterion, the linguistic and grammatical evaluation of the abstract is also added to the assessment form of the thesis work. At the defense of the thesis/diploma work, the last, summarizing slide of the slides, on which the oral presentation is based, must be presented in Hungarian language. In the defense report of the thesis/diploma work, the student's Hungarian language performance must be evaluated as well.

Studying the language for dental medical purposes: foreign language for specific purposes has been built into the curriculum as a criterion requirement in the form of a professional basic university exam subject. For obtaining a master's degree, foreign language knowledge including the relevant terminology of dentistry must be acquired before obtaining the pre-degree certificate in accordance with the requirements set out in the curriculum.

For the number of lectures/seminars/practices per week, the Course Syllabus is normative, and where it was not possible to interpret, these columns were left empty.

Courses to be included in the degree average grade: comprehensive examinations and examinations (weighted examinations), with the exception of the Hungarian for Dental purposes V.*

Examination = an examination that is to be concluded in the degree average grade (pursuant to Article 49 (2) of the Organizational and Operational Regulations – Part III, Study and Examination Regulations)*

BASIC MODULE

2nd Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Compulsory	Macroscopic Anatomy and Embryology II	FOKOANT338_2A	8	112	42	0	70	3	0	5	Macroscopic Anatomy and Embryology I	Comprehensive examination #
Compulsory	Microscopic Anatomy and Embryology I	FOKOANT339_1A	4	56	28	0	28	2	0	2		Examination
Compulsory	Biophysics II	FOKOFIZ378_2A	3	56	21	0	35	1,5	0	2,5	Biophysics I	Comprehensive examination #
Compulsory	General Dental Materials	FOKOFPK364_1A	1	14	0	14	0	0	1	0		Examination
Compulsory	Dental Biochemistry I	FOKOBMT305_1A	4	56	28	0	28	2	0	2		Examination
Compulsory	Physical Education II	FOKOTSI380_2A	0	14	0	0	14	0	0	1		Term grade
Optional	Dental Psychology	FOKVAAG233_1A	1	28	28	0	0	2	0	0		Examination
Optional	Dental Medical Terminology	FOKVNIE397_1A	1	28	0	0	28	0	0	2	Medical Terminology	End-term examination
Optional	Medical Sociology for dentistry	FOKVMAG382_1A	1	28	12	0	16	1	0	1		Examination
Compulsory	Hungarian for Dental Medical Purposes I	FOKONYE398_1A	0	56	0	0	56	0	0	4	Introduction to the Hungarian language	End-term examination
Optional	History of Medicine and the Semmelweis University	FOKVNEI381_1A	2	28	28	0	0	2	0	0		Examination
Optional	Medical Informatics	FOKVDEI316_1A	2	28	0	0	28	0	0	2		Term grade
Compulsory	First Aid	FOKOOXI197_1A	1	14	0	0	14	0	0	1		Term grade
Compulsory	Nursing summer practice	FOKOAPO421_1A	0		0	0	90					Signature
Compulsory	Summer Practice of Dental Assistance	FOKOASZ423_1A	1	30	0	0	30					Term mark (three-scale)
	Sum of credits in the semester:		29									

BASIC MODULE

3rd Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Compulsory	Microscopic Anatomy and Embryology II	FOKOANT339_2A	4	56	28	0	28	2	0	2	Microscopic Anatomy and Embryology I, Macroscopic Anatomy and Embryology II	Comprehensive examination #
Compulsory	Dental Biochemistry II	FOKOBMT305_2A	3	42	28	0	14	2	0	1	Dental Biochemistry I	Comprehensive examination #
Compulsory	Basic Immunology	FOKOGEN347_1A	3	42	28	0	14	2	0	1	Cell Science, Dental Biochemistry I	Examination
Compulsory	Molecular Cell Biology I	FOKOMB306_1A	3	42	14	0	28	1	0	2	Medical Chemistry, Dental Biochemistry I	Examination
Compulsory	Odontotechnology and Prosthodontics Pre-clinical I	FOKOFPK365_1A	4	42	0	14	28	0	1	2	General Dental Materials, Macroscopic Anatomy and Embryology II	Term grade
Compulsory	Medical and Dental Physiology I	FOKOELT349_1A	9	119	70	0	49	5	0	3,5	Microscopic Anatomy and Embryology I, Macroscopic Anatomy and Embryology II, Biophysics II	Examination
Compulsory	Physical Education III	FOKOTSI380_3A	0	14	0	0	14	0	0	1		Term grade
Compulsory	General Dental Preclinical Practice	FOKOPRT424_1A	4	56	14	0	42	1	0	3	Physical Foundations of Dental Materials Science, Macroscopic Anatomy and Embryology I	Examination*
Compulsory	Hungarian for Dental Medical Purposes II	FOKONYE398_2A	0	56	0	0	56	0	0	4	Hungarian for Dental Medical Purposes I	End-term examination
	Sum of credits in the semester:		30									

BASIC MODULE

4th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Compulsory	General and Oral Microbiology	FOKOMIK425_1A	4	56	28	0	28	2	0	2	Molecular Cell Biology I, Medical and Dental Physiology I	Examination*
Compulsory	Genetics and Genomics	FOKOGEN240_1A	2	35	21	0	14	1,5	0	1	Cell Science, Dental Biochemistry II	Examination
Compulsory	Restorative Dentistry, Pre-clinical I	FOKOKFK355_1A	4	42	0	0	42	0	0	3	General Dental Preclinical Practice, Odontotechnology and Prosthodontics Pre-clinical I, Macroscopic Anatomy and Embryology II	Term grade
Compulsory	Molecular Cell Biology II	FOKOMBT306_2A	4	56	28	0	28	2	0	2	Molecular Cell Biology I, Dental Biochemistry II,	Comprehensive examination #
Compulsory	Odontotechnology and Prosthodontics Pre-clinical II	FOKOFPK365_2A	4	56	0	14	42	0	1	3	Macroscopic Anatomy and Embryology II, Odontotechnology and Prosthodontics Pre-clinical I	Term grade
Compulsory	Medical and Dental Physiology II	FOKOELT349_2A	8	119	70	0	49	5	0	3,5	Microscopic Anatomy and Embryology II, Molecular Cell Biology I, Medical and Dental Physiology I	Comprehensive examination #
Compulsory	Physical Education IV	FOKOTSI380_4A	0	14	0	0	14	0	0	1		Term grade
Compulsory	Hungarian for Dental Medical Purposes III	FOKONYE398_3A	0	56	0	0	56	0	0	4	Hungarian for Dental Medical Purposes II	End-term examination
	Sum of credits in the semester:		26									

PRE-CLINICAL MODULE

5th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)	Seminar (hr/week)	Practice (hr/week)	Prerequisite(s)	Evaluation
Compulsory	General and Oral Pathophysiology	FOKOOBT426_1A	3	56	28	0	28	2	0	2	General and Oral Microbiology, Molecular Cell Biology II, Medical and Dental Physiology II	Examination*
Compulsory	Medical Aspects of Disaster Preparedness and Response I	FOKOBVI385_1A	0	2	2	0	0					Signature
Compulsory	Restorative Dentistry, Pre-clinical II	FOKOKFK355_2A	4	56	14	0	42	1	0	3	Restorative Dentistry, Pre-clinical I, Odontotechnology and Prosthodontics Pre-clinical II, Medical and Dental Physiology II	Comprehensive examination #
Compulsory	Public Health	FOKONEI309_1A	2	49	21	0	28	1,5	0	2	General and Oral Microbiology, Molecular Cell Biology II, Medical and Dental Physiology II	Examination
Compulsory	Odontotechnology and Prosthodontics Pre-clinical III	FOKOFPK365_3A	3	42	0	0	42	0	0	3	Restorative Dentistry, Pre-clinical I, Odontotechnology and Prosthodontics Pre-clinical II, Molecular Cell Biology II	Comprehensive examination #
Compulsory	Pathology	FOKOPTK428_1A	4	70	42	0	28	3	0	2	Genetics and Genomics, Molecular Cell Biology II, Medical and Dental Physiology II	Examination*
Compulsory	Preventive Dentistry	FOKOKFK429_1A	3	56	28	10	18				Restorative Dentistry, Pre-clinical I, Odontotechnology and Prosthodontics Pre-clinical II	Examination*
Compulsory	Oral and Maxillofacial Surgery, Pre-clinical course	FOKOSZB041_1A	2	28	0	0	28	0	0	2	General and Oral Microbiology, Molecular Cell Biology II, Medical and Dental Physiology II	Term grade
Compulsory	Physical Education V.	FOKOTSI380_5A	0	14	0	0	14	0	0	1		Signature
Compulsory	Hungarian for Dental Medical Purposes IV	FOKONYE398_4A	1	56	0	0	56	0	0	4	Hungarian for Dental Medical Purposes III	End-term examination
	Sum of credits in the semester:		22									

PRE-CLINICAL MODULE

6th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Compulsory	Endodontics, Pre-clinical	FOKOKFK430_1A	3	56	14	0	42	1	0	3	Restorative Dentistry, Pre-clinical II, Odontotechnology and Prosthodontics, Pre-clinical III, Preventive Dentistry	Examination*
Compulsory	Prosthodontics I	FOKOFPK366_1A	4	56	0	14	42	0	1	3	Restorative Dentistry, Pre-clinical II, Odontotechnology and Prosthodontics Pre-clinical III, Preventive Dentistry	Term grade
Compulsory	Restorative Dentistry and Endodontics I	FOKOKFK357_1A	3	42	0	0	42	0	0	3	Restorative Dentistry, Pre-clinical II, Odontotechnology and Prosthodontics Pre-clinical III, Preventive Dentistry	Term grade
Compulsory	Medical Aspects of Disaster Preparedness and Response II	FOKOBVI385_2A	0	2	2	0	0				The Medical Basis of Disaster Management I	Signature
Compulsory	Oral Biology	FOKOOBT432_1A	4	56	28	0	28	2	0	2	General and Oral Pathophysiology, Public Health, Pathology	Examination*
Compulsory	Oral Pathology	FOKOPTK433_1A	4	56	28	0	28	2	0	2	General and Oral Pathophysiology, Pathology, Public Health	Examination*
Compulsory	Oral and Maxillofacial Surgery I	FOKOSZB353_1A	4	56	14	0	42	1	0	3	General and Oral Pathophysiology, Pathology, Oral and Maxillofacial Surgery, Pre-clinical course	Term grade
Compulsory	Physical Education VI	FOKOTSI380_6A	0	14	0	0	14	0	0	1		Signature
Compulsory	Oral Medicine I	FOKOODT244_1A	1	14	0	0	14	0	0	1	Restorative Dentistry, Pre-clinical I, Odontotechnology and Prosthodontics Pre-clinical II	Term grade
Compulsory	Oral Diagnostics	FOKOODT427_1A	3	42	14	0	28	1	0	2	Restorative Dentistry, Pre-clinical I, Odontotechnology and Prosthodontics Pre-clinical II	Examination*
Compulsory	Radiation protection	FOKOODT135_1A	2	35	21	0	14	1,5	0	1	Biophysics II	Examination
Compulsory	Hungarian for Dental Medical Purposes V.	FOKONYE398_5A	1	56	0	0	56	0	0	4	Hungarian for Dental Medical Purposes IV	Comprehensive examination #
Compulsory	Dento-Alveolar practice	FOKOEXT407_1A	1	30	0	0	30				Oral and Maxillofacial Surgery I	Term mark (three-scale)
	Sum of credits in the semester:		30									

CLINICAL MODULE

7th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)	Seminar (hr/week)	Practice (hr/week)	Prerequisite(s)	Evaluation
Compulsory	Internal Medicine I	FOKOBOK300_1A	3	42	14	0	28	1	0	2	General and Oral Pathophysiology, Public Health, Pathology	Term grade
Compulsory	Prosthodontics II	FOKOFPK366_2A	6	98	0	14	84	0	1	6	Prosthodontics I, Restorative Dentistry and Endodontics I, Radiation protection	Examination
Compulsory	Pharmacology I	FOKOFPM254_1A	4	56	28	0	28	2	0	2	Pathology, Medical and Dental Physiology II, Dental Biochemistry II	Examination
Compulsory	Restorative Dentistry and Endodontics II	FOKOKFK357_2A	3	42	0	0	42	0	0	3	Prosthodontics I, Restorative Dentistry and Endodontics I, Endodontics, Pre-clinical	Term grade
Compulsory	Medical Aspects of Disaster Preparedness and Response III	FOKOHKT385_3A	0	2	2	0	0				The Medical Basis of Disaster Management II	Signature
Compulsory	Periodontology I	FOKOPDK387_1A	2	21	14	0	7	1	0	0,5	Oral Biology, Oral Pathology, Oral and Maxillofacial Surgery I	Examination
Compulsory	Emergency Dentistry I	FOKOFPI388_1A	0	35	3	11	21				Oral Pathology	Signature
Compulsory	Oral and Maxillofacial Surgery II	FOKOSZB353_2A	4	56	14	0	42	1	0	3	Oral and Maxillofacial Surgery I, Oral Pathology, Radiation protection	Examination
Compulsory	Physical Education VII	FOKOTSI380_7A	0	14	0	0	14	0	0	1		Signature
Compulsory	General and Dental Radiology I	FOKODT247_1A	3	42	14	0	28	1	0	2	Radiation protection	Term grade
Compulsory	Gnathology	FOKOFPK431_1A	3	42	0	14	28	0	1	2	Restorative Dentistry and Endodontics I, Prosthodontics I, Oral Diagnostics	Examination*
Optional	Neurorology	FOKVNEU079_1A	1	14	14	0	0	1	0	0	Macroscopic anatomy and embryology I, Macroscopic anatomy and embryology II	Examination
Optional	Psychiatry	FOKVPSI078_1A	1	14	14	0	0	1	0	0	Oral Biology, Oral Medicine I	Examination
Optional	Dental Ethics	FOKVMAG259_1A	1	28	28	0	0	2	0	0	Pathology, Oral Pathology	Examination
Compulsory	Thesis I – Thesis Topic Selection	FOKOSZD422_1A	6	6	0	6	0					Term grade
	Sum of credits in the semester:		37									

CLINICAL MODULE

8th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)	Seminar (hr/week)	Practice (hr/week)	Prerequisite(s)	Evaluation
Compulsory	Internal Medicine II	FOKOBHK389_2A	2	28	0	14	14	0	1	1	Internal Medicine I, Pharmacology I	Comprehensive examination #
Compulsory	Prosthodontics III	FOKOFPK366_3A	4	70	0	14	56	0	1	4	General and Dental Radiology I, Prosthodontics II, Restorative Dentistry and Endodontics II,	Term grade
Compulsory	Orthodontics Pre-clinical	FOKOGFK257_1A	1	14	0	0	14	0	0	1	General and Dental Radiology I	Term grade
Compulsory	Pharmacology II	FOKOFRM254_2A	4	56	28	0	28	2	0	2	Pharmacology I, Internal Medicine I	Comprehensive examination #
Compulsory	Implantology I	FOKOSZB311_1A	2	28	14	0	14	1	0	1	General and Dental Radiology I, Oral and Periodontology I, Maxillofacial Surgery II	Examination
Compulsory	Restorative Dentistry and Endodontics III	FOKOKFK357_3A	3	56	0	0	56	0	0	4	General and Dental Radiology I, Prosthodontics II, Restorative Dentistry and Endodontics II	Term grade
Compulsory	Medical Aspects of Disaster Preparedness and Response IV	FOKOHKT385_4A	0	2	2	0	0				The Medical Basis of Disaster Management III	Signature
Compulsory	Periodontology II	FOKOPDK387_2A	4	56	14	14	28	1	1	2	General and Dental Radiology I, Oral and Periodontology I, Maxillofacial Surgery II	Examination
Compulsory	Emergency Dentistry II	FOKOFSI388_2A	0	14	0	0	14	0	0	1	General and Dental Radiology I, Emergency Dentistry I	Signature
Compulsory	Oral and Maxillofacial Surgery III	FOKOSZB353_3A	4	56	14	0	42	1	0	3	General and Dental Radiology I, Oral and Periodontology I, Maxillofacial Surgery II	Term grade
Compulsory	Physical Education VIII	FOKOTSI380_8A	0	14	0	0	14	0	0	1		Signature
Optional	Ophthalmology	FOKVSZE390_1A	1	21	0	17	4				Internal Medicine I, Pharmacology I	Examination
Compulsory	General and Dental Radiology II	FOKOODT247_2A	1	14	0	0	14	0	0	1	General and Dental Radiology I	Comprehensive examination #
Optional	Otorhinolaryngology	FOKVFUL434_1A	1	21	14	0	7	1	0	0,5	Pathology, Oral Pathology,	Examination*
Optional	Pediatrics	FOKVGY2369_1A	1	21	7	7	7	0,5	0,5	0,5	Pathology, Oral Pathology,	Examination
Optional	Surgery	FOKVSBI435_1A	2	28	14	0	14	1	0	1	Macroscopic anatomy and embryology II, Pathology,	Examination*
Compulsory	Thesis II – Content and Formal Requirements of the Thesis	FOKOSZD422_2A	6	6	0	6	0				Thesis I	Term grade
Compulsory	General Dentistry practice	FOKOF0G408_1A	1	120	0	0	120				Prosthodontics III, Restorative Dentistry and Endodontics III, Periodontology II	Term grade
	Sum of credits in the semester:		37									

CLINICAL MODULE

9th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)	Seminar (hr/week)	Practice (hr/week)	Prerequisite(s)	Evaluation
Compulsory	Prosthodontics IV	FOKOFPK366_4A	3	56	0	0	56	0	0	4	Prosthodontics III, Restorative Dentistry and Endodontics III	Term grade
Compulsory	Orthodontics I	FOKOGFK263_1A	5	70	14	0	56	1	0	4	Orthodontics Pre-clinical, Prosthodontics III, Restorative Dentistry and Endodontics III	Term grade
Compulsory	Pedodontics I	FOKOGFK265_1A	5	70	14	0	56	1	0	4	Orthodontics Pre-clinical, Prosthodontics III, Restorative Dentistry and Endodontics III	Term grade
Compulsory	Implantology II	FOKOSZB311_2A	1	14	14	0	0	1	0	0	Implantology I, Periodontology II, Oral and Maxillofacial Surgery III	Comprehensive examination #
Compulsory	Clinical Dentistry I	FOKOKFK313_1A	2	70	0	0	70	0	0	5	Prosthodontics III, Restorative Dentistry and Endodontics III	Term grade
Compulsory	Restorative Dentistry and Endodontics IV	FOKOKFK357_4A	3	56	0	0	56	0	0	4	Prosthodontics III, Restorative Dentistry and Endodontics III	Term grade
Compulsory	Oral Medicine II	FOKODT244_2A	1	14	14	0	0	1	0	0	Oral Medicine I, Oral Diagnostics, Oral and Maxillofacial Surgery III	Comprehensive examination #
Compulsory	Periodontology III	FOKOPDK387_3A	3	49	14	7	28	1	0,5	2	Implantology I, Periodontology II, Oral and Maxillofacial Surgery III	Term grade
Compulsory	Oral and Maxillofacial Surgery IV	FOKOSZB353_4A	5	84	14	0	70	1	0	5	Implantology I, Periodontology II, Oral and Maxillofacial Surgery III	Term grade
Compulsory	Physical Education IX.	FOKOTSI380_9A	0	14	0	0	14	0	0	1		Signature
Optional	Forensic Dentistry	FOKVIGS088_1A	1	14	14	0	0	1	0	0	Internal Medicine II, Pharmacology II, Pathology	Examination
Optional	Prehospital Emergency Medicine	FOKVOMS393_1A	1	14	0	3	11				First Aid, Internal Medicine II, Pharmacology II	Examination
Compulsory	Thesis III – Consultations and Thesis Writing	FOKOSZD422_3A	3	3	0	3	0				Thesis I, Thesis II	Term grade
	Sum of credits in the semester:		33									

CLINICAL MODULE

10th Semester

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)	Seminar (hr/week)	Practice (hr/week)	Prerequisite(s)	Evaluation
Compulsory	Prosthodontics V.	FOKOPFK366_5A	3	36	0	0	36	0	0	3	Prosthodontics IV, Restorative Dentistry and Endodontics IV	Comprehensive examination #
Compulsory	Orthodontics II	FOKOGFK263_2A	5	72	12	0	60	1	0	5	Orthodontics I	Comprehensive examination #
Compulsory	Gerostomatology	FOKOFSI437_1A	2	24	3	9	12				Prosthodontics IV, Gnathology, Oral Medicine II	Examination*
Compulsory	Pedodontics II	FOKOGFK265_2A	5	72	12	0	60	1	0	5	Pedodontics I	Comprehensive examination #
Compulsory	Clinical Dentistry II	FOKOPFK312_2A	2	60	0	0	60	0	0	5	Prosthodontics IV, Clinical Dentistry I, Restorative Dentistry and Endodontics IV	Term grade
Compulsory	Restorative Dentistry and Endodontics V.	FOKOKFK357_5A	3	36	0	0	36	0	0	3	Prosthodontics IV, Restorative Dentistry and Endodontics IV	Comprehensive examination #
Compulsory	Periodontology IV	FOKOPDK387_4A	3	42	18	0	24	1,5	0	2	Periodontology III	Comprehensive examination #
Compulsory	Oral and Maxillofacial Surgery V.	FOKOSZB353_5A	4	48	12	0	36	1	0	3	Implantology II, Periodontology III, Oral and Maxillofacial Surgery IV	Comprehensive examination #
Compulsory	Physical Education X.	FOKOTSI380_10A	0	12	0	0	12	0	0	1		Signature
Optional	Obstetrics and Family Planning	FOKVNO2092_1A	1	12	12	0	0	1	0	0	Internal Medicine II, Pharmacology II	Examination
Optional	Dermatology	FOKVBOR436_1A	1	18	6	0	12				Internal Medicine II, Pharmacology II	Examination*
Compulsory	Thesis IV - Content and Formal Requirements of the Thesis	FOKOSZD422_4A	5	5	0	0	5				Thesis I, Thesis II, Thesis III	Comprehensive examination #
Criterion requirement	Taken the Medical-Oath	FOKOANG395_2A	0									
	Sum of credits in the semester:		34									
	Total credit value in the 10 semesters:		299									

	Subject	Subject code	CREDITS	Hours per semester	Lecture (hr/semester)	Seminar (hr/semester)	Practice (hr/semester)	Lecture (hr/week)α	Seminar (hr/week)α	Practice (hr/week)α	Prerequisite(s)	Evaluation
Criterion requirements to be fulfilled by the end of the training												
Criterion requirement	Semmelweis Symposium #	FOKOFRM359_1A	0	24	24	0	0					Signature
	Elective subjects:		15									
	Total credit value:		314									

The following language requirements will be compulsory for students graduating from the 2026/27 academic year

The conditions for issuing a diploma in dentistry in English-language training are:

In the Dentistry Program, the condition of issuing a diploma in the foreign language programs: a final examination in Hungarian language. Students who participate in the English language program are required to be able to communicate in Hungarian which they shall prove by taking a Hungarian final examination.

The abstract of the thesis/diploma work must be attached to the finalized and submitted thesis/diploma work in Hungarian in accordance with the formal and content requirements. As a new criterion, the linguistic and grammatical evaluation of the abstract is also added to the assessment form of the thesis work.

At the defense of the thesis/diploma work, the last, summarizing slide of the slides, on which the oral presentation is based, must be presented in Hungarian language. In the defense report of the thesis/diploma work, the student's Hungarian language performance must be evaluated as well. Studying the language for dental medical purposes: foreign language for specific purposes has been built into the curriculum as a criterion requirement in the form of a university professional basic exam subject. For obtaining a master's degree, foreign language knowledge including the relevant terminology of dentistry must be acquired before obtaining the pre-degree certificate in accordance with the requirements set out in the curriculum. α For the number of lectures/seminars/practices per week, the Course Syllabus is normative, and where it was not possible to interpret, these columns were left empty.

The criterion requirement subject "Semmelweis Symposium" can be replaced by successfully completing the optional subject "FOK - Winter University". The criterion requirement subject "Semmelweis Symposium" can be completed in the 5th, 7th and 9th semesters of the program. Courses to be included in the degree average grade: comprehensive examinations and examinations* (weighted examinations), with the exception of the Hungarian for Dental purposes V.

Examination*: an examination that is to be concluded in the degree average grade (pursuant to Article 49 (2) of the Organizational and Operational Regulations – Part III, Study and Examination Regulations)



FACULTY OF PHARMACEUTICAL SCIENCES

STUDY PROGRAMME

The new curriculum of the credit-based training for the 2026/2027 academic year for students enrolled for the first year

Please note that the subject descriptions for all subjects in a searchable PDF format can be found under the following link:
<https://semmelweis.hu/registrar/pharmaceutical-sciences/course-descriptions-2026-27/>

1st Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Examination		Prerequisite(s)
GYKGYK329E1A	General Chemistry	2	4	6	semi-final*	obligatory	-
GYKDEI107G1A	Informatics and artificial intelligence	0	2	2	practical mark	obligatory	-
GYKGYI330E1A	Physics for Pharmacist	1,5	2	4	semi-final*	obligatory	-
GYKGEN331E1A	Cell Biology	2	2	3	semi-final	obligatory	-
GYKOXI270G1A	First Aid	0,3	0,7	1	practical mark	obligatory	-
GYKNYE111G1A	The Latin basics of pharmaceutical terminology	0	2	2	practical mark	obligatory	-
GYKGYH271G1A	Mathematics for Pharmacists	2	2	4	practical mark	obligatory	-
GYKEGY332E1A	Pharmaceutical Propedeutics	1,5	0,5	2	semi-final	obligatory	-
GYKEGY333E1A	History of Pharmacy and Semmelweis University	1	1	2	semi-final	obligatory	-
GYKMAG334G1A	Basic Communication	1	1	2	practical mark	obligatory	
GYKANG071E1A	Principles of Professional Ethics I.	0	0	0	signature	criterion	-
GYKTSI335G1A	Physical Education I.	0	1	1	practical mark	obligatory	-
GYKNYE306G1A	Hungarian Pharmaceutical Terminology I.	0	2	0	signature	obligatory	-
Total:		11,3	20,2	29			
GYSGYK322G1A	Basics of General Chemistry	0	2	2	practical mark	elective	-

*Counts to the qualification of the diploma

2nd Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Examination		Prerequisite(s)
GYKGYK336E1A	Inorganic Chemistry	2	2	3	semi-final*	obligatory	General Chemistry
GYKSZK337E1A	Organic Chemistry I.	4	4	7	semi-final	obligatory	General Chemistry
GYKANT272E1A	Anatomy	2	2	2	semi-final	obligatory	Cell Biology The Latin basics of pharmaceutical terminology
GYKFIZ338E1A	Pharmaceutical Biophysics	1,5	2,5	4	semi-final*	obligatory	Physics for Pharmacist
GYKGEN339E1A	Genetics	2	2	4	semi-final	obligatory	Cell Biology
GYKNYE119G1A	Pharmaceutical and medical terminology	0	2	1	practical mark	obligatory	The Latin basics of pharmaceutical terminology
GYKEMK121E1A	Basics of Economics	1	0	1	semi-final	obligatory	Mathematics for pharmacists
GYKGYI340G1A	Physical Chemistry for Pharmacists	2	3	5	practical mark	obligatory	General Chemistry Physics for Pharmacist
GYKNYE306G2A	Hungarian Pharmaceutical Terminology II.	0	2	0	signature	obligatory	Hungarian Pharmaceutical Term. I.
GYKTSI335G2A	Physical Education II.	0	1	1	practical mark	obligatory	-
Total:		14,5	20,5	28			
GYSGYK341G1A	Calculation problems in general and inorganic chemistry	0	2	2	practical mark	elective	-

*Counts to the qualification of the diploma

3rd Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Pracitce (hour/week)	Credit	Examination		Prerequisite(s)
GYKGYK342E1A	Analytical Chemistry I.	4	4	6	semi-final	obligatory	Inorganic Chemistry Mathematics for Pharmacists
GYKBMT343G1A	Biochemistry I.	3	1	4	practical mark	obligatory	Organic Chemistry I. Genetika
GYKTLM275E1A	Physiology I.	5	2	5	semi-final	obligatory	Anatomy I. Genetics
GYKGYI072G1A	Colloid Chemistry	2	2	4	practical mark	obligatory	Physical Chemistry for Pharmacists
GYKSZK337E2A	Organic Chemistry II.	4	4	8	final*	obligatory	Organic Chemistry I.
GYKTSI335G3A	Physical Education III.	0	1	1	practical mark	obligatory	-
GYKNYE306G3A	Hungarian Pharmaceutical Terminology III.	0	2	1	practical mark	obligatory	Hungarian Pharmaceutical Term. II.
Total:		18,0	16,0	29			
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

4th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Pracitce (hour/week)	Credit	Examination		Prerequisite(s)
GYKBMT343E2A	Biochemistry II.	2	1	3	final*	obligatory	Biochemistry I.
GYKGYK342E2A	Analytical Chemistry II.	2	4	6	final*	obligatory	Analytical Chemistry I.
GYKGYI345E1A	Physiological Pharmaceutics and Pharmaceutical dosage forms	2	2	4	semi-final*	obligatory	Physical Chemistry for Pharmacists Pharmaceutical Propedeutics
GYKTLM275E2A	Physiology II.	5	2	7	final*	obligatory	Physiology I. Biochemistry I.
GYKGEN070E1A	Basic Immunology (theory)	2	0	2	semi-final	obligatory	Genetics
GYKGYI078G1A	Nanotechnology	2	2	4	practical mark	obligatory	Colloid Chemistry
GYKANG238G1A	Pharmacy Practice I.	0	20 hour/semester	0	signature	obligatory	Physical Chemistry for Pharmacist Pharmaceutical and medical terminology
GYKNYE306G4A	Hungarian Pharmaceutical Terminology IV.	0	2	3	final*	obligatory	Hungarian Pharmaceutical Term. III.
GYKTSI335G4A	Physical Education IV.	0	1	1	practical mark	obligatory	-
Total:		15	14 20 hour/semester	30			
GYSSZG234G4A	Summer Practice I.	0	4 weeks (40 hour/week)	4	practical mark	elective	Colloid Chemistry Physiology I.
GYSSZK207E1A	Name Reaction in Organic Chemistry (theory)	2	0	2	semi-final	elective	Organic Chemistry I.
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

5th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Examination		Prerequisite(s)
GYKFMG278E1A	Pharmaceutical Botany	2	2	3	semi-final	obligatory	Biochemistry I.
GYKGYI168E1A	Dietetics	1	0	1	semi-final	obligatory	Physiology II.
GYKGYI074E1A	Biotechnology	1	0	1	semi-final	obligatory	Biochemistry I.
GYKGYI346G1A	Pharmaceutical Technology I.	2	4	5	practical mark	obligatory	Nanotechnology Physiological Pharmaceutics and Pharmaceutical dosage forms Pharmaceutical and medical terminology
GYKGYI347G1A	Introduction to Industrial Pharmaceutics	1,5	0,5	2	practical mark	obligatory	Physiological Pharmaceutics and Pharmaceutical dosage forms History of Pharmacy and Semmelweis University
GYKGYK348E1A	Pharmaceutical Chemistry and Analysis I.	4	4	7	semi-final	obligatory	Analytical Chemistry II., Organic Chemistry II. Pharmaceutical Biophysics
GYKMIK280E1A	Pharmaceutical Microbiology	3	2	4	semi-final*	obligatory	Basic Immunology
GYKGYH128G1A	Basic Medical Pathophysiology I.	2	1	2	practical mark	obligatory	Physiology II., Biochemistry II First Aid
GYKLMI082E1A	Clinical Chemistry and Laboratory Diagnostics	2	0	2	semi-final	obligatory	Physiology II. Biochemistry II.
GYKGYI085E1A	Products of Veterinary Medicine	1	0	1	semi-final	obligatory	Physiological Pharmaceutics and Pharmaceutical dosage forms
GYKTSI116G5A	Physical Education V.	0	1	0	signature	criterion	-
Total:		19,5	14,5	28			
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

6th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practicce (hour/week)	Credit	Examination		Prerequisite(s)
GYKGYH128E2A	Basic Medical Pathophysiology II.	2	1	3	final*	obligatory	Basic Medical Pathophysiology I. Pharmaceutical Microbiology Dietetics
GYKFMG284G1A	Pharmacognosy I.	2	4	5	practical mark	obligatory	Pharmaceutical Botany
GYKGYK348E2A	Pharmaceutical Chemistry and Analysis II.	4	4	7	final*	obligatory	Pharmaceutical Chemistry and Analysis I.
GYKGYH349E1A	Pharmacology and Toxicology I.	2	3	5	semi-final	obligatory	Basic Medical Pathophysiology I., Physiological Pharmaceutics and Pharmaceutical dosage forms
GYKGYI346E2A	Pharmaceutical Technology II.	2	6	5	semi-final	obligatory	Pharmaceutical Technology I., Pharmaceutical Chem. and Anal. I.
GYKGYH282G1A	Statistics for Pharmacists	2	2	3	practical mark	obligatory	Mathematics for Pharmacists, Physiological Pharmaceutics and Pharmaceutical dosage forms Informatics
GYKANG238G2A	Pharmacy Practice II.	0	20 hour/semester	0	signature	obligatory	Pharmaceutical Technology I
GYKTSI116G6A	Physical Education VI.	0	1	0	signature	criterion	-
Total:		14	21 20 hour/ semester	28			
GYSSZG239G4A	Summer Practice II.	0	4 week (40 hour/week)	4	practical mark	elective	Pharmaceutical Technology I.
GYSGYK326E1A	Bioinorganic Chemistry (theory)	3	0	2	semi-final	elective	Analytical Chemistry II.
GYSFMG294E1A	Analytical applications of liquid chromatography	2	0	2	semi-final	elective	Analytical Chemistry II.
GYSGYI350G1A	Industrial pharmaceutical Technology	1	1	2	practical mark	elective	Pharmaceutical Technology I.
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

7th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Examination		Prerequisite(s)
GYKFMG284E2A	Pharmacognosy II.	2	4	5	final*	obligatory	Pharmacognosy I.
GYKGYK351E1A	Quality Control and Analysis of Drugs	2	4	6	semi-final*	obligatory	Pharmaceutical Technology II., Pharmaceutical Chem. and Anal. II. Introduction to Industrial Pharmaceutics
GYKGYH349E2A	Pharmacology and Toxicology II.	3	2	5	semi-final	obligatory	Pharmacology and Toxicology I. Basic Medical Pathophysiology II.
GYKGYI346E3A	Pharmaceutical Technology III.	2	7	7	semi-final	obligatory	Pharmaceutical Technology II.
GYKGYI088E1A	Biological Drugs	2	0	2	semi-final	obligatory	Pharmaceutical Chemistry and Analysis II. Pharmacology and Toxicology I. Biotechnology
GYKEGY286E1A	Pharmacy Administration I.	2	0	2	semi-final	obligatory	Pharmaceutical Propedeutics Pharmaceutical Technology II.
GYKETE131G1A	Pharmacoeconomics	0,5	0,5	1	practical mark	obligatory	Pharmacology and Toxicology I. Basics of Economy Statistics for Pharmacists
GYKTSI116G7A	Physical Education VII.	0	1	0	signature	criterion	-
GYKFRM288E1A	Semmelweis Symposium	24/sem	0	0	signature	criterion	-
Total:		13,5 24/sem	18,5	28			
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

8th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Pracitce (hour/week)	Credit	Examination		Prerequisite(s)
GYKGYH349E3A	Pharmacology and Toxicology III.	3	2	6	final*	obligatory	Pharmacology and Toxicology II.
GYKGYI346E4A	Pharmaceutical Technology IV.	2	8	10	final*	obligatory	Pharmaceutical Technology III.
GYKEGY286E2A	Pharmacy Administration II.	2	2	4	final*	obligatory	Pharmaceutical Technology III., Pharmacy Administration I.
GYKNEI352E1A	Public Health	2	2	3	semi-final	obligatory	Basic Medical Pathophysiology II., Dietetics
GYKMAG098G1A	Pharmaceutical Communication and Integrated Consulting	1	2	2	practical mark	obligatory	Pharmacy Administration I.
GYKFMG092E1A	Phytotherapy	2	0	2	semi-final*	obligatory	Pharmacognosy II.
GYKSZDI32G1A	Diploma Work I.	0	2	0	signature	criterion	Pharmacology and Toxicology I. Pharmaceutical Technology II. Pharmacognosy II.
GYKTSII16G8A	Physical Education VIII.	0	1	0	signature	criterion	-
Total:		12	19	27			
GYSGYH324G1A	Preclinical and clinical neuropsychopharmacology and psychopharmacogenetics	0	1	1	practical mark	elective	Pharmacology and Toxicology I.
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

9th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Practice (hour/week)	Credit	Examination		Prerequisite(s)
GYKANG133G1A	Compulsory Practice Before the Board Exam I.	0	40	8	practical mark	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV., Pharmacy Administration II.
GYKGYH250E1A	Drug Therapy	2	3	4	semi-final*	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV., Phytotherapy
GYKEGY096E1A	Pharmaceutical Care	2	3	4	semi-final*	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV.
GYKGYI251G1A	Clinical Pharmacokinetics and Biopharmacy	2	3	3	semi-final*	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV.
GYKDEI099G1A	Pharmaceutical informatics	1	1	1	practical mark	obligatory	Pharmaceutical Technology IV., Pharmacy Administration I.
GYKEGY093E1A	Pharmaceutical management	1	1	2	semi-final	obligatory	Pharmacoeconomics
GYKEGY100E1A	Clinical Pharmaceutics	1.2	1.2	1	semi-final*	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV.
GYKMAG101E1A	Pharmaceutical Ethics and Sociology	1	1	1	semi-final	obligatory	Pharmacology and Toxicology III., Pharmaceutical Propedeutics
GYKGYI353G1A	Collaborative pharmacotherapy and interprofessional therapy management	1	0,5	1	practical mark	obligatory	Pharmacology and Toxicology III., Pharmaceutical Technology IV., Pharmacy Administration II.
GYKSZD132G2A	Diploma Work II.	0	5	0	signature	criterion	Diploma Work I.
GYKTSII16G9A	Physical Education IX.	0	1	0	signature	criterion	-
GYKGYI102G1A	Drug Licensing	12/sem.	12/sem.	1	practical mark	obligatory	Introduction to Industrial Pharmaceutics Compulsory Practice Before the Board Exam I.
GYKGYI103G1A	Pharmacovigilance and pharmacoepidemiology	4/sem.	4/sem.	1	practical mark	obligatory	Introduction to Industrial Pharmaceutics Compulsory Practice Before the Board Exam I.
GYKGYI104G1A	Quality Assurance	4/sem.	4/sem.	1	practical mark	obligatory	Introduction to Industrial Pharmaceutics Compulsory Practice Before the Board Exam I.
GYKGYI105G1A	Druginnovation and clinical examinations	8/sem.	8/sem.	1	practical mark	obligatory	Introduction to Industrial Pharmaceutics Compulsory Practice Before the Board Exam I.
Total:		11.2 28/ semester	40/week 19,7 28/ semester	29			
	Work within the Union of Research Students	0	1	1	practical mark	elective	-

*Counts to the qualification of the diploma

10th Semester

Neptun Subject ID	Subject	Lecture (hour/week)	Pracitce (hour/week)	Credit	Examination		Prerequisite(s)
GYKANG133G2A	Compulsory Practice Before the Board Exam (4 months) II.	0	40	16	practical mark	obligatory	Compulsory Practice I.
GYKSZD134E1A	Diploma Defence	1	0	10	final*	obligatory	Diploma Work II.
GYKANG071E2A	Principles of professional ethics II.	0	0	0	signature	criterion	-
Total:		1/semester	40	26			
GYSGYI305E1A	Pharmaceutical Compounding	2	0	2	semi-final	elective	Pharmaceutical Technology IV.

*Counts to the qualification of the diploma



FACULTY OF HEALTH SCIENCES

Brief History of the Faculty of Health Sciences

The University's second largest Faculty is the Faculty of Health Sciences. The Faculty started its first academic year in 1975 with the aim of training highly accomplished, skilled, committed and open-minded health care professionals. This was the first higher-level school in Hungary that trained dietitians, health visitors, physiotherapists, public health and epidemiology inspectors, vocational teachers and paramedics. During the past years both the structure of education and the curriculum have undergone changes in the spirit of modernization. The Faculty continuously expands the

range of its Hungarian and English language training programmes. To its prospective students, the Faculty offers study rooms, lecture halls, specialist laboratories, demonstration rooms and a public library that are all equipped with state-of-the-art technology, as well as a great variety of opportunities for an active student life, and a motivating environment. Following graduation, students of the Faculty can immediately be involved in various areas (ex.: health care, tourism, education, sociology) and they are able to have a positive impact on their close and broad environment.

Facts and Figures

The Faculty of Health Sciences celebrated its 50th anniversary in 2025. Since its foundation, cc. 35.000 students graduated from the Faculty and today more than 5000 students are studying at this institution. The Faculty is very proud of its library containing more than 50.000 volumes.

During the last four decades the Faculty has developed extensive international relations, and as a result, we have connections with about 50 higher educational institutions throughout Europe, Asia and America. Many students and staff members have the opportunity to take part in short- and long-term exchanges in our partner institutions. The Faculty's Asian relations have also been largely extended by establishing a fruitful relationship with Shanghai Jiao Tong University

School of Medicine (SJTU) and with Heilongjiang University of Chinese Medicine (HLJUCM), that launched its off-campus Traditional Chinese Medicine training at our Faculty.

We are also proud of having operated our Italian, French and English [B.Sc.](#)-level Physiotherapy training in Lugano, Switzerland since 2009. Currently, over 300 students participate in our programme there. The extent of our international relationships is still growing and we accept several groups of students from different countries on our 2-4 weeks advanced professional programmes mainly from the USA, China and Japan. In these programmes our students have the opportunity to participate in, and to build international professional connections.

Leadership, Dean's Office

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Vice Deans **College Professor Dr. Klára GADÓ PhD – Vice Dean for General Affairs**
College Professor Dr. István VINGENDER habil. – Vice Dean Responsible for Academic Affairs
College Professor Dr. Zoltán BALOGH PhD – Vice Dean Responsible for Clinical Relations
College Professor Dr. László FÖLDVÁRI-NAGY – Vice Dean for Scientific Affairs

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Information about the B.Sc. and M.Sc. programmes

Training system

Hungary, as a member of the European Union, belongs to the unified European Higher Education Area, which in principal follows the multi-cycle (bachelor, master and doctorate) training system. In this system it is much easier for students, lecturers and researchers to travel and build international relations, moreover, as citizens of the European Union they can continue their studies and plan their future as employees or entrepreneurs in any of the member states. These opportunities open up a wider field for non-European citizens studying in Hungary as well, since the possibilities of internal mobility inside the unified Europe are based on the training channels and close relationships between countries in the labour market and among institutions.

Programmes of the Faculty

I. Bachelor of Science (B.Sc.) Programmes

1. Nursing and Patient Care B.Sc. Programme

Specialized programmes: Physiotherapy (Hungarian, English), Nursing (Hungarian, English), Midwifery (Hungarian, English), Dietetics (Hungarian, English), Paramedics (Hungarian), Voice, speech and swallowing therapy (Hungarian)

Physiotherapy

Physiotherapists act as autonomous practitioners who are able to perform functional examinations, identify impairments, functional limitations, abilities and disabilities by using clinical decision-making processes. Physiotherapists treat patients with therapeutic exercises, manual techniques and other therapeutic modalities as the professionals' chief task is to improve the functions of the musculoskeletal system. The therapists develop movement therapies and apply electrotherapeutic treatment, therapeutic ultrasound, and various manual and massage treatments for the sake of healing and rehabilitation or for the prevention of health damage. Graduates take part in healing locomotor (orthopaedic, rheumatologic, traumatologic), cardiovascular, obstetrical, gynaecological, neurological and psychiatric disorders. Prevention and health promotion belong to the specialists' profession, too. Physiotherapists plan, explain, carry out, and adapt an examination-based treatment, draw conclusions from the examination as a whole and rank the main problems according to priority.

Qualification

Physiotherapist

Nursing

The occupation of nurses is a vocation that is pursued for the sake of health preservation, promotion and patient healing. Nurses observe patients in the hospital and continuously monitor their needs, take part in disease prevention and act as active contributors to the process of the patient's recovery and rehabilitation. They help patients absorb and understand the information on their health status. Nurses holding a B.Sc. degree can organise, manage and supervise all their internal medical, surgical, obstetric-gynaecological, psychiatric, intensive nursing and primary care tasks in every area of health care. They are responsible for conducting the healing-nursing activities prescribed by the physician, and help the patient and the physician perform certain examinations. Graduates of the speciality are able to provide health care treatment for each age group from premature infants to elderly patients, explore the special needs of the patient and the person cared for, prepare nursing diagnoses and perform the tasks professionally on the basis of priorities, participate in planning, developing and implementing health care and social services.

Qualification

Nurse

Midwifery

Midwives fulfil caring and nursing tasks during pregnancies, in the postpartum period and on the occasion of gynaecological problems. Their responsibilities are to monitor pregnancies, labours and the postpartum progress while cooperating with other health care professionals in order to achieve the best possible outcome for each family. From the start of the parturition, midwives prepare and continuously support and encourage the woman during labour, monitor the process of delivery and the mother-infant connection, assess and register their observations. Midwives individually assist deliveries, take care of the protection of the perineum and of the treatment of the woman and the new-born baby during the post-delivery period. Graduate midwives look after, nurse and care for female patients and perform the required specialised treatment. State of the art skill laboratories help the preparation of the students for their future profession.

Qualification

Midwife

Dietetics

Dietitians deal with the questions of human nutrition and possess knowledge about healthy diet and diseases caused by unhealthy nutrition. Graduates are able to practise diet therapy independently, or perform dietetic and catering tasks as members of a therapist team. The specialist's tasks include individual and group counselling, preventing nutrition related chronic and non-contagious diseases, organising diet plans according to the client's sensitivity and disease type. They manage catering units: lead the catering service, organise catering work procedures, and establish appropriate and acceptable conditions for catering. Dietitians play an important role in teaching how to lead a preventive and healthy life as they can also develop and implement programmes for health promotion.

Qualification

Dietitian

Paramedics

Graduates are able to approach professionally and safely patients or victims in prehospital emergency care (oxyology), able to perform triage, on an individual basis and during a catastrophic event. On the scene, paramedics familiarise themselves with the nature of the emergency, examine the patient, and make a primary diagnosis. They stabilise and care for the patient, decide on the possibilities of leaving the patient on the scene. Paramedics observe and monitor the patient during transport, communicate appropriately with the patient and his/her relatives, complete the necessary interventions, and provide psychological support for the suffering patient. Paramedics holding a B.Sc. degree also complete standby on-call duties, organise teamwork in the system of emergency care within health institutions, teach First Aid, and participate in the further training of emergency nurses and ambulance car drivers. Paramedics work in close alliance with the control staff, ambulance assistants, physicians, and health care professionals of hospital emergency care.

Qualification

Ambulance Officer (Paramedic)

Voice, speech and swallowing therapy

Voice, speech and swallowing therapists perform diagnostic and therapeutic tasks in otolaryngology, phoniatics, neurology, paediatrics, geriatrics and rehabilitation units as well as in outpatient services and can treat certain functional disorders in private practice. Their responsibilities include the functional examination and therapy of phoniatics, articulation, speech-language abilities, nutrition intake (chewing, swallowing). Graduates are able to treat the disorders of two fundamental functions of human life: the disorders of communication and of food intake. They are able to contribute to the rehabilitation of persons suffering from these functional disorders, thus enabling them to manage their social responsibilities and to integrate into society. Graduates are able to participate in preventive, curative, nursing and rehabilitating professional work on any level of the health care and/or social care system.

Qualification

Voice, speech and swallowing therapist

2. Health Care and Disease Prevention B.Sc. Programme

Specialized programmes: Health Visitor (Hungarian), Public Health Care Inspector (Hungarian, English)

Health Visitor

The health visitor is present in the families' life during the most important steps of life: during pregnancy, reception of the new-born baby, formation of family life and at the time of enrolment to nursery and elementary school. Graduates are able to provide counselling concerning family planning and parenthood, help and provide nursing care to the pregnant woman, and perform screening tests. After childbirth, the health visitor teaches the mother the ways of breastfeeding and her tasks related to the child. They monitor the health condition and development of neonates, provide community health care for children (aged 3-18), aid in the prevention of behavioural disorders and bad habits, solve the problems of teenagers and direct them to the appropriate professional. Health visitors give mental hygiene support to families and organise vaccinations. Health visitors take part in planning, organising and conducting health development and promotion programmes for individuals and communities. They perform their duties either independently or in cooperation with doctors and other medical experts.

Qualification

Health Visitor

Public Health Supervisor

A public health supervisor deals with epidemiological tasks that consist of the organisation of public health investigations and the analysis of data retrieved during the investigations. Graduates of the speciality are able to perform public health related municipal activities, conduct appropriate municipal supervision based on current regulations, initiate, plan and manage epidemiological tasks, analyse, interpret, use and critically apply the results of epidemiological examinations, process and realize local and central health policies in order to improve the health status of the population. Public health supervisors plan and realize nosocomial surveillance, monitor the health status of the population, plan, organize, realize and evaluate preventive programmes.

Qualification

Public Health Supervisor

3. Medical Diagnostic Analysis B.Sc. Programme

Specialized programmes: Optometry (Hungarian, English), Radiography (Hungarian)

Optometry

Optometrists are able to utilise their optic, optometric, measuring and clinical knowledge gained during the training programme, conduct the examination and correction of the eye individually and prescribe optical aids (eyeglasses, contact lenses) with the aim of attaining the optimal visual acuity in patients. The professionals are able to estimate the refractive medium, refractive ability, errors of refraction, the way eye muscles function, and the ability of heterophoria and convergence. Professionals examine binocular vision, the chamber of the eye, crystalline lens, vitreous humour and the eye fundus with the help of a slit lamp, and they estimate ocular tension. Optometrists utilize their clinical and nursing knowledge during their daily activities, actively participate in improving the culture of vision of individuals, communities and the population. Through examinations, the optometrist recognises and evaluates the disorders of the eye and so contributes to the immediate receipt of specialised care.

Qualification

Medical Diagnostic Analyst (Optometrist)

Radiography

Medical diagnostic analysts individually operate modern diagnostic imaging appliances (e.g. X-ray, ultrasound, computer tomography / CT/) while keeping the related regulations and procedures. They process, evaluate and archive diagnostic imaging information, establish a daily contact with patients and prepare them for diagnostic imaging therapies. The specialists observe patients during examinations, perceive pathological situations, participate in therapeutic examinations, recognize health damaging effects as results of radiological interventions, and other technological errors, and they prevent them.

Qualification

Medical Diagnostic Analyst (Radiographer)

4. Health Care Management B.Sc. Programme

Specialized programme: Health Tourism Management (English)

Health Tourism Management

Graduates of the training take part in organising and managing health promotion activities, prepare projects that aim at developing health tourism and strengthening international cooperation, and they participate in the implementation of tourism development programmes of the European Union. The health care manager is a versatile professional who is proficient both in health care processes and in the field of tourism. Their acquired knowledge comprises information on health, tourism and business, therefore they are not only able to see through, organise and coordinate the operation of health care institutions but with appropriate business knowledge they are able to market and manage them, too. The speciality provides the necessary knowledge to create health tourism, health preservation, curative and rehabilitation programmes.

Qualification

Health Care Manager (Health Tourism Management)

II. Master of Science (M.Sc.) Programmes

Physiotherapy M.Sc. Programme

Master's level physiotherapists develop therapeutic procedures and protocols based on their extensive national and international knowledge and skills, recognise and analyse physical, anatomical, physiological and pathological factors affecting physical ability and capacity. They participate in solving scientific problems in physiotherapy, and finding new skills and knowledge in their expertise. The specialists perform scientific evaluation of the effectiveness of physiotherapeutic methods, organise and realise clinical research in physiotherapy, publish new scientific results and act as leaders in hospital units of physiotherapy, apply fundamental regulations and quality control principles in the management of health institutions and private enterprises. The promotion of health education on local, community, national and international levels also belongs to the tasks of a physiotherapist.

Qualification

Physiotherapist

Languages

Hungarian, English

Nursing M.Sc. Programme (Advanced Practice Nurse)

Master's level nurses characterise the health status of the population, formulate problems, priorities and aims in public health. They conduct research and analyse technical literature, interpret the results of modern statistical methods, perform tasks of organisation and management related to the nursing process. They are able to perform human resource management tasks related to nursing. Planning budget and writing tenders, planning, realising and evaluating programmes, and establishing cooperation between institutions and individuals belong to the tasks of nurses, too. The health care professionals are acquainted with the role and the possibilities of the improvement of health sciences in the life of society, and they are able to characterise the health status of the population. Master's level nurses formulate problems, priorities and aims in public health, they take part in solving the scientific problems of nursing, in finding new and constructing ideas about the profession and in the promotion of their practical usage.

Specialisations within the Nursing M.Sc. programme

Emergency Nursing (Hungarian)
Geriatric Nursing (Hungarian)
Community Nursing (Hungarian, English)
Intensive Nursing (Hungarian)
Perioperative Nursing (Hungarian)

Qualification

Nurse

Languages

Hungarian, English

Nutritional Sciences M.Sc. Programme (Joint training of Semmelweis University and the Hungarian University of Agriculture and Life Sciences)

Nutritionists develop quality food, functional food, food supplements, special nutrients, eco products and organic food. They develop food industrial innovations, determine food qualities considering hygienic aspects, take part in professional and counselling tasks in the field of nutrition sciences and catering. Master-level dietitians determine the composition of food and diets for healthy people and those with different diseases, perform innovative research and development work preferred by the support system of the European Union. Master's level dietitians are able to understand and solve professional problems assertively, come up with reform ideas, and carry out innovative activities. The nutrition specialist plans and compiles healthy diets in the field of health industry, wellness, medical tourism and hotel industry. Nutritionists promote the achievements of nutrition science in order to improve public health figures, work as highly qualified nutritionists, researchers, advisors and health educators.

Qualification

Nutritionist

Language

Hungarian

Teacher of Health Sciences and Health Care M.Sc. Programme

Master's level health care teachers are capable of educating people about healthy lifestyle using their knowledge gained in the fields of health sciences and pedagogy. For the sake of improving the quality of life of people, professionals plan, develop and adopt prevention programmes in the specialist training, suggest problem solving and up-to-date life models in accordance with the altered health statuses. They give advice on career orientation, career choices and career planning. While applying health education methods, the teachers are able to recognize those negative effects that arise from harmful environment or poor social situation and lifestyle. In specialised health related interpersonal relationships, their activity is characterised by high communication standards and didactic preparedness. Master's level health care teachers possess the ability to educate, and to demonstrate good example while teaching, moreover, they are able to recognize the relationship and development opportunities between the training institutions, the economy, the labour market and the social environment.

Qualification

Teacher of Health Sciences and Health Care

Language

Hungarian

Public Health M.Sc. Programme

Master's level public health professionals, with their knowledge of the scientific basis of public health and the related methodological and practical skills, contribute to the improvement of the health status of the population and to the prevention of diseases through professional, social and intersectoral cooperation. They can also put their skills into practice in the country or institution where the legislation, guidelines and protocols in force allow them to do so.

This program is designed for graduates in health professions who want to contribute to a high level of health protection and prevention of diseases and risks. We welcome students who have a strong understanding of the importance of prevention in relation to both communicable and non-communicable diseases and who wish to develop their knowledge in this field to the highest level.

Specialisations within the Public Health M.Sc. Programme

Epidemiology
Environmental and Occupational Health

Qualification
Expert in Public Health

Language
Hungarian

III. Doctoral School

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The main objective of the Doctoral School of Health Sciences is to combine theoretical and preclinical knowledge, clinical and comparative health science research, and public and public health sciences, and to improve the social sciences related to health sciences. It also aims to complement the doctoral programs at the University to ensure that health sciences are also incorporated, thus giving extra emphasis to preventive – domestic and international – health preservation programmes that satisfy public health needs and affect society as a whole.

PhD studies can be conducted in the following professional fields:

1. Clinical and comparative health sciences
2. Theoretical and preclinical health sciences
3. Society and health
4. Public health sciences

IV. Postgraduate specialist training courses

Addictology Counselling (Hungarian)
Podiatrist (Hungarian)

DEPARTMENTS

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Background

The Department was founded in 1975 as a part of the College of Health Care of the Postgraduate Medical School (now Semmelweis University Faculty of Health Sciences). It was the first college in Hungary to award degree to health care teachers in 1977. Academic level training of nurses began with part-time courses in 1989/90; since 1990/91 a full-time course has been offered as well. The College of Health Care was also the first to introduce a four-year baccalaureate certificate programme in nursing. The Masters-level programme in nursing was introduced in Academic Year 2002/2003.

Education

B.Sc. in Nursing is an eight-semester programme, either a full-time or part-time, which provides students a general knowledge of science related to nursing, health and social sciences. The Nursing B.Sc. programme is based on the Directive 2005/36/EC of the European Parliament and the one of the European Council of 7 September 2005 on recognition of professional qualifications. Our programme has been running in English since the 2011/2012 academic year.

M.Sc. in Nursing is a three-semester part-time programme based on a former bachelor degree in nursing. During their studies, students learn the planning of nursing in all areas of health care, the organisation of the nursing work, the teaching of the basics of nursing and health care, the organisation of research projects in nursing, and the supervision of quality assurance in nursing care.

Research

The previous members of the Department's staff supported projects such as the development of a nursing curriculum with the introduction of distance education methodology into nursing training programmes (in collaboration with Columbia University, School of Nursing (USA) in 1995-98 and a Hungarian-Canadian nursing programme for a methodology and model of prior learning assessment and recognition (PLAR) of nurse-candidates (Douglas College, Canada) in 1999-2000.

In co-operation with the Chamber of Hungarian Health Care Professionals, the present members of the Department performed investigative research into the Hungarian situation with regard to needle-stick injuries in 2006, 2008, 2013, 2018 among health care professionals. The objectives of the study were twofold: to reveal the trend in the extent to which health workers are affected, and to draw the attention of economic and education decision-makers to the importance and prevalence of the issue.

The other research programme aims to explore from an international perspective the meaning of care from the point of view of nurses and patients and to find common and shared definitions between these partners of caring. In addition, it aims to identify the relationship

between nurse caring and patient satisfaction and to clarify the opinion of nurses and patients on individualized nurse caring. In this study (2008-2014), participants from 6 EU countries: Cyprus, Czech Republic, Finland, Greece, Hungary and Italy united their efforts in order to achieve the aims of the study. Europe faces severe population ageing in the near future. A new positive vision of ageing and promotion of possibilities in older age is needed. The challenge is how to transfer this vision into practice. Higher Education Institutes and associations agreed to launch a project. Funding was received from Lifelong Learning Program-Erasmus Academic Networks for a project for the years 2013-2016.

Department of Clinical Studies in Obstetrics and Gynaecology

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Background

The Department of Clinical Studies in Obstetrics and Gynaecology was founded in 2014. Earlier, the training of midwives was performed by the Division of Midwifery of the Department of Nursing. Academic level training of nurses began through part-time courses in 1989/90; since 1990/91 a full-time training programme is offered as well. Additional programmes have been introduced in recent years, including the training of midwives (2002) and a masters-level programme in nursing (2003). The English language midwifery training programme was introduced in the 2011/12 academic year.

Education

The B.Sc. midwifery training programme can be completed on either a full-time or part time track. Those who receive a midwifery degree upon successful completion of this programme are able to carry out communicational/informational/documentation activities, provide a safe and hygienic environment, complete general midwifery tasks, and provide first aid, complete tasks related to antenatal care, conduct deliveries, care for female patients, and care for the newborn and the postpartum mother. The Midwifery B.Sc. programme is based on the Directive 2005/36/EC of the European Parliament and of the European Council of 7 September 2005 on the recognition of professional qualifications. Duration of the training: 8 semesters, number of credits: 240 ECTS.

Research

Members of the Department's staff support projects and conduct research in different fields of health care and health care education, e.g.: health behaviour of practising midwives, simulation education and curriculum development, and the impact of maternal depression on pregnancies and early attachment.

Department of Physiotherapy

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Background

Underwater therapy equipment was used in the Császár baths as early as 1891. The first physiotherapy training in Hungary, which was more like an artistic movement therapy, was started by Alice Madzsar in 1912. The need for physiotherapy arose during the time of the Poliomyelitis epidemic, resulting in the foundation of a proper physiotherapy school in Budapest in 1955. At this time, the training was two years long, the duration of studies increased to four years only in 2000.

Education

The Department's aim is to train physiotherapists who can be valuable members of a health care team of prevention, care and rehabilitation. The Physiotherapy undergraduate programme consists of 240 credits, which corresponds to the requirements of a Bachelor's degree. The Department also offers the Master's Programme for another 90 credits in 3 semesters. Each term consists of courses corresponding to 30 credits. Courses are divided into theoretical and practical units, each unit covering a particular field of physiotherapy. At the B.Sc. programme the supervised clinical practice takes place from the 1st to the 7th semester (two to three weeks), and in the 8th semester (12 weeks) at a variety of medical centres. The physiotherapy programme comprises an independent graduate project corresponding to 1152 clinical practice hours, which is equal with 48 credits. The Master's programme's last semester can be divided into two halves. At the beginning the students have theoretical and practical courses and in the last 8 weeks they attend specialised clinical practice and scientific research.

Successful completion of the programme requires that students:

- acquired sufficient knowledge and skills to be able to work independently as physiotherapists;
- acquired knowledge and skills of physiotherapeutic methods of assessment and treatment, as well as knowledge of the connection between science and long-established experience;
- developed their self-recognition and capacity for empathy, thereby paying attention to ethical considerations;
- and familiarised themselves with conditions in society which affect people's health, and gained an ability to initiate and take part in the health-promoting and preventive efforts.

Biomechanical Lab

The biomechanical lab is equipped with the latest technology. With these modern pieces of equipment we can perform dynamic and kinematic measurements to demonstrate the discrepancies of musculoskeletal, neurological and other problems, moreover, we can compare the physiological and pathological movement patterns. The use of these devices helps us to test the validity of traditional physiotherapy examination methods, as well as measuring the effectiveness of the therapies by objective data. In addition, our laboratory with the new visual stimulation biofeedback equipment can be used not only to analyse the walking but to correct and develop it. So now it is suitable for therapeutic interventions. Both the B.Sc. and M.Sc. programmes' curriculum include subjects that instruct the students how to use these devices for their thesis, dissertation research and for projects in the Students' Scientific Association.

Research

Some areas of research interests at the Department:

- the biomechanical characteristics of standing stability and balance maintenance, testing by biomechanical equipment and therapeutic possibilities with physiotherapy;
- examination of posture with ultrasound-based 3D movement analyser equipment, correction of posture by physiotherapy;
- treatment of incontinence with complex physiotherapy methods;
- effects of positive end-expiratory pressure in cystic fibrosis;
- conservative therapeutic options of the knee-instabilities;
- chest physiotherapy in cystic fibrosis with the specific features of childhood;
- clinical features of paraneoplastic syndrome in the musculoskeletal system;
- the effect of exercise in cardiac rehabilitation;
- the effect of exercise in musculoskeletal rehabilitation;
- gait analysis according to the ultrasound- based 3D method.

Division of Physical Education

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The Division of Physical Education teaches the 4-semester long criteria subject, the Physical Education (PE) for each full-time B.Sc. student. PE classes enable students to several opportunities for sport (swimming, volleyball, handball, basketball, football, floorball, conditioning, aerobic) in different locations (gym, swimming pool). Apart from the PE course, therapeutic swimming that is highly demanded by our students is also launched as a selective subject in each semester.

Colleagues of the Division participate in the operation of the Student Sport Association (DSE). Primarily, the Association provides student participation in the university's system of sport competitions.

Department of Dietetics and Nutritional Sciences

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Background

Education of dietetics in Hungary dates back to the 1920s and was initiated by Aladár Soós. The Department of Dietetics was founded in 1975 as part of the newly established College of Health Care (now Semmelweis University Faculty of Health Sciences). The main task of the Department is the undergraduate and graduate training of dietitians while providing courses on nutritional sciences and dietotherapy for other health professionals educated at the Faculty. The Department of Dietetics and Nutrition Sciences is responsible also for the training of Masters of nutrition and food sciences. The programme is carried out in collaboration with the Hungarian University of Agricultural and Life Sciences.

Education

Over the last 40 years, as many as 2000 dietitians completed their studies here. The undergraduate training course consists of eight semesters, with a total number of 240 ECTS, of which 40% is devoted to theoretical training and 60% to practice. During the education students are taught about each scope of dietetic practice such as clinical, administrative and public health/community dietitians. Graduate students can be employed in different areas of public health nutrition and nutritional research fields. Postgraduate training programmes are also available for dietitians.

In the 2009/2010 academic year a new training programme, the Master of Nutrition and Food Sciences was launched. Students are taught by experienced teachers who are recognized as experts in the field of nutrition and food technology as well as in research methodology. The duration of the training is 4 semesters with a total number of 120 ECTS. Graduate students can be employed in different areas of public health nutrition and nutritional research fields.

Postgraduate training programmes are also available for dietitians. Graduating as Masters of nutrition and food sciences allows students to continue their studies at PhD level at Semmelweis University Doctoral School in Health Sciences.

The Department of Dietetics and Nutrition Sciences has collaborative partnership with the European Federation of the Associations of Dietitians (EFAD).

Research

The Department has been involved in several projects sponsored by, for example, the EU: the "Ageing Nutrition" project (2004-06, organised by the Department), the "PORCROW" project (2004-06), furthermore, the Department participated as partner institution in the thematic network called DIETS1, "Dietitians Improving the Education and Training Standards (2006-09)" and DIETS2, 'Dietitians ensuring education, teaching and professional quality' (funded by the EACEA 2010-13). The Department is involved in the preparation of the Hungarian version of EPODE Project collaborating with the Association of Hungarian Dietitians (2014).

Members of the Department's staff are involved in the PhD education as tutor teachers.

Research area:

- Food production by fermentation for patients with food allergy and intolerance
- Nutrition Science Analysis and Diethoterapeutic Interventions
- Innovation in public catering
- Disease Specific Nutrition Therapy and Communication Method
- Examination of the nutrition and nutritional status of the elderly

Fields of scientific interest are:

- Investigation of biologically active component of vegetable and fruit during cultivation, post harvesting, food technology and food preparation
- Determination of mycotoxin contamination in foodstuffs
- Monitoring of allergen contamination of equipment, tools and food preparation process
- Role of food labelling in order to improve informed and safe food choice of people with special dietetic needs
- Monitoring of different groups' nutritional status and nutrient intake for the purpose of health preservation and to identify risk factors of diet-related diseases
- Assessment and analysis of the fluid consumption habits, attitudes and product choice preferences and education of theme for the purpose of health preservation
- Teaching correct dietary habits in children's catering, development of eating behaviours
- Members of the Department's staff are actively involved in the boards of various professional organizations in the field of nutrition, such as Hungarian Society of Nutrition, Association of Hungarian Dietitians, Hungarian Food Allergy and Food Intolerance Databank, College of -Health Dietetics and Human Nutrition Council, National Association of Catering Managers.
- Moreover, they hold positions in the editorial boards of several professional periodicals.

Department of Oxyology and Emergency Care

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Background

Oxyology – the science of rapid intervention as described by the famous Hungarian physician Aurel Gabor - is a specialisation that has been recognized since 1975. The main task of the Department of Oxyology and Emergency Care is the training of paramedics at the highest possible level. It is our mission to qualify health care providers not only for the National Ambulance Services but also for the national emergency departments. The department is also responsible for the first aid teaching at the Faculty of Medicine in English and German language, and for first aid classes held at the Faculty of Dentistry. Besides theoretical and practical B.Sc. trainings, we offer postgraduate specialist trainings for qualified nurses and paramedics, and regular accredited courses in various areas of acute care for physi-

cians and nurses. We have been participating in the training of the Doctoral School of the Faculty with an independent research subject since 2009, while regularly offering advanced education for the students of Semmelweis University's School of PhD Studies. The Department manages its tasks with four full-time members and a number of highly qualified consulting teachers. Practical teaching is organized with the co-operation of the National Ambulance Service, hospital practices are completed in accredited teaching hospitals.

Education

- The Department regularly provides vocational and postgraduate trainings, and is closely connected with the new University Emergency Centre where practical teaching takes place.
- Staff of the Department has an established relationship with the University of Massachusetts, Department of Emergency -Medicine in the area of research and development.
- Members of the Department participate in numerous professional and societal organizations of acute care and hold leading positions in the Society of Emergency Medicine and Oxyology.
- The leader of the Department is an active Examiner in Emergency Medicine for the European Board of Emergency Medicine.
- Students can join the PhD School offering participation and thesis work on "Point-of-care technologies in emergency medical care".
- An M.Sc. training programme targeting the intrahospital emergency care has been started resulting in the qualification of advanced practice nurses (APN), those capable health care professionals who work in the emergency departments under the supervision of the lead physician.
- We have launched a monthly meeting named OxyNox for trainee and graduate paramedics. This event is held in the Vas utca building where a well-known representative of prehospital care is invited as guest speaker followed by case discussions from everyday practice.
- The Paramedic Day is organised each May, where students demonstrate their practical skills during a competition.

Research

PhD research topic:

- Point of Care technologies in emergency medical care.

Students' Scientific Association research topics:

- Acute Coronary Syndrome;
- First aid training;
- Position and activities of paramedics in the Emergency Department;
- Care of the multiple injured patients;
- Shock management;
- Mental aspects of rescue/emergency work;
- Complex cardiopulmonary resuscitation;
- Communication in emergency situations;
- Role players and standardized patients in HiFi simulation.

Department of Family Care Methodology

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Background

Academic level training of health visitors (similar to district or family nurse) started in 1975 in Hungary.

Education

The aim of this eight-semester programme is to train health visitors who can give assistance to children and pregnant women in social care and in the prevention of illnesses. Practical training takes place under clinical and real-life circumstances (e.g. in hospitals and district consulting rooms).

The basic subjects (e.g. anatomy, physiology, pathology, biology) are followed by special studies in paediatrics, nursing, obstetrics, sanitation and nursing methodology. Pedagogy, psychology, health education, social sciences and information sciences are integrated into the curriculum. After submitting a thesis, students are tested in theoretical, practical and professional skills before attaining their diploma. Upon completion of the programme health visitors are entitled to work in municipal primary health care facilities, or in schools and in the area of primary preventive medical services. They can perform their duties either independently or in cooperation with doctors and other medical experts.

Research

- Preventive/visiting nurse system in Europe
- The characteristics of childhood onset depression according to depressive symptoms, co-morbidities and quality of life
- Influence of smoking during pregnancy on preterm-birth and low birth-weight
- Connection between childhood obesity, IDDM and physical activity

Department of Public Health Sciences

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Background

The overall duty of the Department of Public Health Sciences, the legal successor of the Department of Epidemiology, is to provide appropriate training for health practitioners in the field of public health and carry out different research projects. Our aim is to equip students with the knowledge and skills to make valuable contribution to public health.

The Department offers undergraduate degree programmes at B.Sc. level and a master programme will be introduced in the near future. Courses of disease prevention and health promotion are available in English for full time students of physiotherapy. The Department for Epidemiology offers a wide range of research topics with professional assistance for students, and they also contribute to the improvement of our doctoral degree programme.

A well-equipped laboratory belongs to the Department for laboratory practices of microbiology and infection control investigations.

Education

Within epidemiology, students are taught both general and specific aspects of pest control and disinfection techniques, including insect and rodent control. Following the fourth and sixth semesters, students take part in four-week practice sessions, and during the eighth semester they participate in a thirteen-week practicum.

Research

Infection Control Centre

- In order to prevent nosocomial and healthcare associated infections, the Department forms an infection control centre in collaboration with external public health partners.
- The key elements of active laboratory surveillance system:
- molecular biology methods for comparison/characterization of strains isolated from different sources;
- monitoring infections;
- computer data analysis of bacterial isolates including antimicrobial-resistance patterns.

Burial customs and funeral practices

- Treatment of dead persons according to the law and the process of mourning
- Dead people – from a public health and cultural historical view
- Characteristics and forms of burial from an intercultural perspective

Research Projects for the Students' Scientific Association

- Epidemiology and prevention of infectious diseases
- Epidemiology of diseases of civilization
- Profile of secondary prevention in Hungary and in the EU
- Appropriate food hygiene practice, infestation of food, food poisoning
- Probiotics and their effects on the human body
- The impact of climate change on food safety
- Research on natural antimicrobial proteins

Department of Clinical Studies

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Background

The tasks of the Department of Clinical Studies are: instruction of clinical knowledge in the frame of the bachelor and master degree programmes of the Faculty of Health Sciences, and participation in health sciences programmes of Semmelweis University's School of PhD Studies as consultant or reviewer.

Education

- The Department's educational activities include:
 - transmission of evidence-based, modern, medical-clinical knowledge, and familiarization with the etiology and pathomechanism of different diseases;
 - enabling students to recognize the signs of diseases, evaluate symptoms, and complete adequate patient care based on competences;

- providing basic pharmacological knowledge, therapeutic possibilities and effects, side effects, therapeutic responses;
- helping students to gain insights into the clinical significance of most important laboratory, radiological and endoscopic examinations, into the methods of clinical problem-solving, and into the pharmacological basis of medical therapy;
- preparation for the assistance in advanced diagnostic and therapeutic methods, the understanding of current medical science, and the acquirement of the competences required for health practitioners;
- the development of the solid approach of prevention-remedy-nursing-care-rehabilitation.
- The Department actively participates:
 - in the preparation of student-focused didactical strategies;
 - in the development of new subjects and training programmes;
 - in the preparation of textbooks and lecture books;
 - and in special didactical and applied clinical researches.

Research

- Hemostasis changes in pregnancies
- Diagnosis and therapy of thrombophilias
- The methodology of teaching clinical knowledge
- Fitting the level of higher education to the European Qualification Framework
- Development of validation processes in higher education
- Family planning, family care
- Social and cultural background of health care employees
- The support of parents expecting their first child; application of the APP model (PhD research)
- Family planning and maternity plans of Health Visitor students
- Anaesthesiology and Intensive therapy – patient security/safety, monitoring
- Clinical nutrition and its management with pharmaceutical aspects
- Risk screening, nutritional assessment, oral nutrition support, enteral and parenteral nutrition,
- Parenteral nutrition compatibility and incompatibility
- Methods of examination of TPN emulsions, physicochemical stability of TPN
- Role of nutrition team

Department of Clinical Ophthalmology

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Background

The education of optometry started in 1992 in Hungary at the College of Health Care (now Semmelweis University Faculty of Health Sciences). The Department of Clinical Ophthalmology was established in 2008. Prior to this, the education of optometry belonged to the tasks of the Department of Clinical Studies. The Department is responsible for training optometrists. This includes developing the curriculum of the optometry training, organising clinical and optical trainings for students, and keeping connection with educators and institutions who participate in the practical training.

Education

The training is the one and only optometry training in Hungary and runs as a part time training programme. The undergraduate training programme consists of eight semesters and 240 ECTS with a total number of 1062 of contact hours and 6138 individual hours, of which 40% is devoted to theoretical training and 60% to practice.

Graduate training programmes are also available after completion of the basic training.

Research

The Department conducts scientific research activities in two ways:

1 In cooperation with the Department of Ophthalmology at the University in the following fields:

- Femtolaser in the surgery of cataracts;
- Development of a new intraocular lens in surgery of cataracts.

2 The Department's individual scientific work is carried out in the following fields:

- Correction of presbyopia with contact lens;
- Screening of the visual acuity and ametropia of children of age 7 to 14;
- Contact lens related dry eye;
- Contact lens wearing in childhood;
- Computer Vision Syndrome and its connection with ametropies.

Department of Imaging and Medical Instrumentation

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Head of Department, Contact Person

Associate Professor Dr. Zsuzsanna Lénárd

Background

The Department of Imaging and Medical Instrumentation conducts teaching, scientific and supplemental activities. The Department is responsible for the education of imaging diagnostic analyst specialists corresponding to the task of training highly qualified radiographers who are experienced in every sub-field of radiology.

Education

In the four-year part-time B.Sc. education, the first three basic semesters are followed by specialist courses (Conventional radiology, US, MRI, Nuclear Medicine, Interventional therapy, Radiation therapy). Students attaining the degree are able to use imaging tools to plan and perform examinations on their own, and to process and apply the obtained information.

Teaching is performed by leading radiologists and radiographers, mainly of Semmelweis University and of large teaching hospitals. Practical training takes place in these hospitals as well.

The Medical Engineering group teaches "Basics of Biophysics and Medical Technology" and "Info-Communication" to dietitian, nurse, health visitor, physiotherapist, paramedics and public health supervisor students.

The Department continuously produces innovative books, image collections and other teaching materials necessary for the education. For this purpose, the Department works in collaboration with the other 3 similar departments in the country to harmonize the teaching materials and the requirements.

An emphasized task of the Department is the graduate teaching of radiographers including the organisation of courses.

Research

The professors of the Department have leading positions in associations of radiology, radiography and medical technology inside and outside Hungary, and they are in the editorial boards of various scientific papers. The focus of the researchers is on clinical decision support, medical informatics, self-monitoring, on developing an immersive learning environment, or a virtual learning environment. Significant focus is put on emergency care systems, on the reduction of supply times and on successful cooperation with emergency departments.

Moreover, the Department joined the European Association of Radiographers.

Department of Applied Psychology

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Education

The main task of the Department is to offer basic psychological knowledge for all departments of the Faculty of Health Sciences in four modules which are as follows:

- *Basics of Psychology* – theoretical course including general psychology, developmental psychology, theories of personality.
- *Social Psychology* – theoretical course including group dynamics, social phenomena, attitudes, prejudices, attributes, stereotypes.
- *Communication and Personal-Development* – We use structured exercises to develop skills in the following fields: enhance group cohesion, basic communication skills, assertive communication, emphatic communication, stress managing methods, conflict management, and profession-specific communication strategies.
- *Health Psychology* – Health psychology is the field within psychology devoted to understanding psychological influences on how people stay healthy, why they become ill, and how they respond when they do get ill. It focuses on health promotion and maintenance; prevention and treatment of illness; the ethology and correlates of health, illness, and dysfunctions; and improvement of the health care system and the formulation of health policy. Health psychologists' fields of work: behavior risk factors/"pathogens" (possibilities of intervention for correction of risk behavior) behavior health preservation / „immunogenic". Conducting research into what are the views, opinions, attributes of health and illness among everyday people. Communication, cooperation, decision-making (health professional – patient interaction). The environment of treatment (how the work environment influences the health worker). Psychology of patients with chronic diseases (disabled, dying).

Division of Applied Pedagogy

Another task of the Department is promoting the basic knowledge of theoretical and practical health education and prevention for students in B.Sc. and M.Sc. trainings; emphasising the pedagogical aspects of patient-care; improving the indispensable skills in counselling and education in paramedical professions; teaching methods of health promotion, and the possibilities of development of health culture, lifestyle and health behaviour.

Research

Since the Department's scope is necessarily broad, staff members have been participating in research activities of various psychological fields:

- Nutritional and sport habits of students;
- Stress among the Professional helpers;
- The exploration of the learning attitude among 19-26 years old students;
- The relationship between burn out, emotion regulation and empathy among health professionals;
- Assessment of ethical and legal issues regarding professional tasks of doctors and nurses working in perinatal centres from the point of view of dilemmas related to the beginning and the end of life

Department of Addictology

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Background

The Department of Addictology coordinates the educational and research activities of the Faculty related to addictive disorders. Some of our fields are the symptomatology, therapy, and prevention of addictive problems. Addiction medicine is present at every specialization of our Faculty; secondary topics like intravenous drug-use, models of preventive medicine are especially practical and optional courses. Our students are involved in many of our research programmes in collaboration with other institutions in Hungary or abroad. The new fields of addiction medicine like gambling and Internet-addiction are also present in our teaching and research activities.

We have close contacts with therapeutic and rehabilitation institutions in Hungary, preventive and outpatient centers (Blue Point Center).

Education

Our Department coordinates the „Addiction Counsellor” specialization, which is the first and only opportunity to study addiction counselling in our country. The most important specialists of this field are our invited teachers. Our counsellors are also taught economics and management, which are necessary for their everyday work as coordinators of therapeutic and financial processes. They are also able to organize preventive courses on alcohol and illegal drug abuse fields.

Research

Our research interests include the application and adaptation of counselling methods in the health and social care of alcohol and drug abusers, the analytic epidemiological study of deviant behaviour, biological and ethic sides of human behaviour, the social background of medical organizations, and researches about the newest therapeutical approaches for intravenous drug users and dependent patients as well as the qualitative and quantitative approaches in the study of hidden substance users (epidemiological, qualitative and quantitative studies on the users of new psychoactive substances).

Department of Morphology and Physiology

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Background

The Department of Morphology and Physiology as a unit of the Institute of Basic Health Sciences has been operating at Semmelweis University Faculty of Health Sciences since its foundation in 1975. The Department participates in the education of the full time English language physiotherapy B.Sc. programme since 2005. The full time English language training of nurses and midwives was introduced in the 2011/2012 academic year.

Education

The Department's educational tasks include the teaching of core and optional subjects to students participating in the full- and part time trainings of the Faculty, as well as to students taking part in the Master's level programmes, in the doctorate courses and in vocational trainings. Members of the Department's staff contribute to different medical and health care research projects, too.

The Morphology Working Group teaches Anatomy and Applied Biology, whilst the Physiology Working Group teaches Physiology-Pathophysiology, Chemistry and Biochemistry in the first, second and third semesters. The following optional subjects are offered in English language:

- Biology of stem cells;
- From classical genetics to epigenetics;
- Chapters of venous circulation and hemodynamics;
- The genetic basis of muscle disorders;
- Functions of hormone receptors: scientific research and clinical practice, health and disease,
- Applied sport physiology and sport health sciences.

Research

The main research areas of the teaching staff are as follows:

- Maintaining of functional abilities and prevention of falls among older adults;
- The examination of decreased function due to low back pain with validated, self-reported questionnaires;
- The examination of posture balance and talent parameters of high school student age group;
- Signalling pathways and autophagy in cancer;
- Stem cells: prospects and challenges;
- Statistical analysis of Hungarian twin data;
- Signal transduction pathways in maternal-fetal interactions in normal and complicated pregnancies;
- A possible model of venous varicosity in rats;
- Effects of hormones on vascular remodelling;
- Roles of G protein-coupled receptor signalling in the vascular function;
- Roles of physical activity in prevention of chronic diseases;
- Signs of cardiovascular sport adaptation;
- Gerontokinesiology – translational animal models: organization of motor control and cognitive functions,
- Walking assessment and dementia prediction;
- Prevention of falling and fracture in elderlies;

- Movement/sport nutrition;
- Active and passive exercise (experimental and human studies);
- Bariatric and metabolic surgery in rats;
- Neurocardiological aspects of exercise-driven rehabilitation in rats,
- Survey of environmental factors influencing ADHD symptoms among elementary school children.

Department of Social Sciences

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Background

The Department of Social Sciences belongs to the Institute of Basic Health Sciences. The role of the Department is to support all students to recognize and to prepare for the social, cultural and economic embeddedness of their future health care professions. Our Department offers theoretical and practice-oriented knowledge – discussing general and special health care related problems – in the fields of Sociology, Social Anthropology, History of Health Sciences, Law, Ethics, Scientific Research Methods, as well as Medical Economy and Management. These modules – as essentials in health care labour market – are to improve conscious employee competencies and social responsibility. Our Department actively participates in an extended Europe-wide network, COHEHRE. The members of the Department of Social Sciences occupy leading positions in several professional and social organizations and take part in their work (Hungarian Association of Medical History, Public Body of Hungarian Academy of Sciences, Hungarian Sociological Association, American Anthropological Association, The European Association for the History of Medicine and Health (EAHMH), Hungarian Association of Sport Studies). Furthermore, our colleagues have a hand in the edition of different scientific journals, such as Development and Financing, Central European Studies, Kaleidoscope – Journal of History of Culture, Science and Medicine, and the newly initiated Developments of Health Sciences.

Education

The Department takes part in the educational development of all B.Sc. and M.Sc. programmes of the Faculty and in the elaboration of curricular directives. As a participant of full time and part time trainings in Nursing and Patient Care, Health Care and Disease Prevention, and Medical Laboratorial Diagnostic Imaging programmes, the Department is responsible for teaching the following subjects: Health and Society, Introduction to Health Care Economics, Health Care Management, Health Care Law, Bioethics and Professional Ethics, Philosophy of Health, Thesis Methodology. Additionally, the Department has been organising the Health Care Project Manager postgraduate course (in Hungarian) since 2008, which enables graduates of the course to successfully (project) manage tasks and situations in every area of the health system. As a result of an educational cooperation between Semmelweis University Faculty of Health and Public Services, Semmelweis University Faculty of Health Sciences and the Budapest Metropolitan University, the Health Care Management B.Sc. started in Hungarian language (with Health Tourism Management speciality) in a form of part time programme in September 2014. The programme is supervised by the Faculty

of Health and Public Services (the programme supervisor is Dr. Miklós Szócska). Our Department is involved in the coordination and teaching work related to the programme.

The Health Care Management B.Sc. programme enables graduates of the course to successfully design and construct client-centred health tourism programs, to analyse statistical data related to tourism, and to coordinate touristic and health touristic projects with the implementation of knowledge about the system of health care and touristic institutions.

One of the main concerns of the Department is to provide adequate and flexible knowledge in the most suitable ways, therefore we devote special attention to the innovation of our methods of instruction. To keep a continuous interdisciplinary discussion about this topic, we have organized eight 'Professional Days on Teaching and Research Methodologies' so far. Most of our staff have experience in teaching abroad, which has broadened our perspectives and made us more conscious about the approaches we apply.

Research and professional forums

With the aim of building networks of knowledge relating to social sciences and health, the Department of Social Sciences highly engaged with the creation of forums for interdisciplinary and inter-professional discussion. As a result, the Department hosted various professional days and conferences in the past years.

As a result of this work, in 2016 the Department organized the 5th Professional Day and Conference on Patient Rights. The next edition of this bi-yearly event was in the fall of 2018. The aim of the conference was to examine the current ethical and legal issues arising in the everyday practice of health care with the involvement of a wide circle of scientific and professional audience. The highlighted topics of the conference are the ethical and legal questions of health care for children, the dilemmas related to informed consent and communicational gaps during health care delivery, the questions of legal liability in emergency care and the opportunities for implication patients' rights during health care delivery.

In 2018, the Department gave place for the Professional Day on Health Tourism. The programme of the event put emphasis on the facilitation of discussion about the opportunities, weak points, results and possible legal regulation of health tourism.

With the initiation of the Faculty of Health Sciences, Department of Social Sciences a conference has been organized since 2017 with the title of 'Harmful/Protective Society'. The conference is a fruit of cooperation between three organizational units of Semmelweis University: The Faculty of Medicine Institute of Behavioural Sciences, the Faculty of Health and Public Service, Institute of Mental Health and the Faculty of Health Sciences Department of Social Sciences. The primary aim of the conference is to build a scientific community for those researchers who work on better understanding of the interconnectedness of health and society. The programme of the conference represents the results of ongoing research projects in the fields of Medical Sociology and Sociology of Health, with the emphasis on the mental, physical, and social dimension of health. Furthermore, the participants may share their experiences about challenges of teaching social sciences in health care training programmes.

Main research areas of the Department include: labour migrants in the health care sector; health and social care of migrants and minorities in Europe; comparative analysis of archive sources, legal sources on health care of the 18-19th centuries; epistemology of interpretive anthropology; developing intercultural competences; minority education and its effects on cultural connectedness; comparative analysis of dentistry business income producing capability; typology of ancient votive uterus-representations; analysis of the archival sources related to the birth-control and the midwife training; ethical and legal dilemmas in the practice of perinatal intensive care from the point of view of the beginning and the end of life; the socio-economic status of nurses and its sociocultural context; modern pedagogical approaches of Hungarian health promotion by peer education (TANTUdSZ Programme).

Our department provides external review and evaluation for the Healthy Diversity project, which is an international consortium of 7 different organisations aiming at developing training materials for health care professionals in VET sector.

Department of Virtual Health Guide Methodology

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Background

The mission of the Department of Health Promotion Methodology is to represent in the higher education sector the healthy lifestyle and healthcare decision support solutions increasingly used on electronic devices; which is world-class in its form as an educational, research, knowledge and service center.

Education

The department's areas of expertise cover the basic knowledge of process-based and value-based healthcare as well as healthcare founded on evidence obtained in real life, with special emphasis on health promotion as function of health behavior, the processes of patient support, health planning, health care communication and health-cooperation, the user experience and health experience, the human-machine collaboration and service-planning responding to this, job competency development as well as device design.

In education, it is primarily adapted to the training programs of the Faculty, while it also plays a role in the training programs of other faculties. It makes its training materials available for medical and health sciences students of other domestic institutions.

Research and professional forums

Its research focuses on the areas of health promotion solutions and human-machine collaboration emerging with the development of technology, with its sub-themes being organization, analysis and evaluation, behavioral, social, planning and design.

Through its knowledge-sharing activities, it assumes an active role in disseminating knowledge about people-centered healthcare to both other disciplines and to the general public.

Through a wide range of collaborations, the University is developing health-promoting applications that can be used by the population.

Background

The task of the Department of Voice, Speech and Swallowing Therapy is primarily to train its students, to teach professional subjects related to the program, to elaborate and develop subject programs, and to perform organizational work related to theoretical and practical education.

In order to ensure the professional development of our students, our task is to maintain continuous contact, cooperation and coordination with all organizational units and professional practice venues involved in the training of voice, speech and swallowing therapist students.

We regularly hold further training and preparation consultations, workshops and professional trainings for the therapists and master instructors conducting internships.

Education

At the department, we carry out research aimed at the development of the profession of voice, speech and swallowing therapist, and publish the results of the research in domestic and foreign journals. We provide an opportunity for students to get involved in research work, we help their Students' Scientific Association (TDK) and the preparation of their dissertation as a supervisor.

We participate as a lecturer in professional national and international conferences and domestic trainings in the fields of ear, nose, laryngology, phoniatrics, neurology, rehabilitation, child rehabilitation, special education.

The instructors are members of the management and are professional supporters of various national professional and social organizations.

Department of Voice, Speech and Swallowing Therapy

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ANDRÁS PETŐ FACULTY

Brief of Professor András Pető, the founder and namesake of András Pető Faculty

The founder of conductive education was born on 11th September 1893, in Szombathely. Having studying medicine at the University in Vienna and working in various hospitals in Austria, Andras Peto became an experienced neurologist. He was a pioneer in working with children with cerebral palsy by using a holistic approach to overcome any difficulties connected to their neurological motor disorders.

In the beginning of 1950, Peto founded his first Conductive Education centre which has been a foundation of the current András Pető Institute of Conductive Education and College for Conductor Training in Budapest, Hungary. Pető began to work with children with cerebral palsy, whose condition had been thought incurable and after a year an inspection committee reported that the children's condition had considerably improved. He provided motor therapy, special gymnastics, breathing exercises and motor education. "He put 'health' and 'illness' on another basis. He approached the problem with a bio-psycho-social-holistic view. It appears in his terminology too – there is 'client' instead of 'patient', a dynamic process analysis instead of the causal approach, educative-reeducative learning together instead of therapy-curing, a conductor leads towards independence instead of a doctor-physiotherapist."*

He worked persistently until his death. He died in the institute in 1967.

Pető's mission and legacy have been carried through the years and the geographical borders; although the aim remained the same – to show individuals suffering from injuries to the central nervous system and their families the way to a full life and to make society aware of the opportunities to help.

Nowadays, the András Pető Faculty of Semmelweis University (also known as Pető Institute) apart from providing conductive care to individuals with motor disorders; also prepares future professionals for implementing and practicing Conductive Education.

Facts and Figures

- More than two thousand students graduated since con-

ductor training has started. Among these students there are Hungarian as well as international students, since the 1980's.

- The faculty has participated in international Erasmus programmes via different European projects, and different Erasmus+ student programmes. The Practising Institutions of the Faculty also accepts students for Erasmus+ traineeship programme and offers the opportunity to get familiar with the practice of conductive education.
- The Faculty has different higher education cooperations in Europe, such as the United Kingdom, Germany, Russia, Ukraine and Romania.
- Training of Japanese conductors gave the opportunity to establish conductive education institutions in Japan, as our first Asian partners.
- New education cooperation has been established in the Public Republic of China, Shandong, and Jinan.
- More than 30 years of experience in coeducation is gained with the Aquinas College, in Grand Rapids, Michigan, United States.
- The faculty members are continuously working on developing its education programmes both in Hungarian and English and the cooperations with other higher education institutions.

Leadership, Dean's Office

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Affairs

Andrea Zsebe PhD
Ibolya Túri PhD –Vice Dean of Scientific

László Matos DLA – Vice Dean of Academic

Affairs

Information about the Conductive Pedagogy Bachelor programme

Training system

Hungary, as a member of the European Union, belongs to the unified European Higher Education Area, which in principle follows the multi-cycle (bachelor, master, and doctorate) training system. In this system it is much easier for students, lecturers, and researchers to travel and build international relations, moreover, as citizens of the European Union they can continue their studies and plan their future as employees or entrepreneurs in any of the member states.

These opportunities open a wider field for non-European citizens studying in Hungary as well, since the possibilities of internal mobility inside the unified Europe are based on the training channels and close relationships between countries in the labour market and among institutions.

Conductive Pedagogy Bachelor programme

The conductor is an educational rehabilitation professional who is trained to use the method of conductive education and support the habilitation of children with cerebral palsy or other impairments of the nervous system causing difficulties in motor development/performance or coordination. Conductor is able to participate in adult rehabilitation as well, specialised in motor development of those who has neurodegenerative diseases such as Parkinson disease or Multiple Sclerosis, or conditions after stroke, or cranial/brain injuries. Conductive education through its holistic approach supports its participants in developing as independent life as possible by coming over or learning to live with their difficulties.

Field Practices

Practical training is closely related to the theoretical education in conductor training and organised by the faculty. The given order of the different practice cannot be changed.

The conductor BA programme is an 8-semester-long training including more than 40 percent practice of the total education hours.

Major curricular components: History of Education, Theory of Education, Functional Anatomy, Special Education, Anatomy of the neuro-system and musculoskeletal systems, Introducing to Psychology, Neuro Psychology, Conductive Pedagogy, and methodologies of rehabilitation at different fields of study.

Career opportunities: working in conductors' team, working in multi-professional teams in education, rehabilitation, or health institutions.

Qualification

Conductor

DEPARTMENTS

Center for Conductive Education

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Head of Department
Dr. Éva FEKETÉNÉ SZABÓ

Institute of Human Sciences

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Head of Department
Dr. Róbert MASCHER PhD

LIST OF LECTURERS

Name	Position	Department
dr. Brigitta Balogh	College Associate Professor	Department of Human Sciences
dr. Andrea Benyovszky	College Senior Lecturer	Department of Conductive Pedagogy
Dr. Gábor Csikós	College Senior Lecturer	Department of Human Sciences
Ágnes Elek	Master Teacher	Department of Human Sciences
dr. Éva Feketéné Szabó	College Professor	Department of Conductive Pedagogy
dr. András Fogarasi	Professor	Department of Conductive Pedagogy
dr. Renáta Földesi	College Associate Professor	Department of Conductive Pedagogy
dr. Tamás Frank	College Senior Lecturer	Department of Human Sciences
Franciska Gál	Master Teacher	Department of Conductive Pedagogy
Kata Hodász	Assistant Lecturer	Department of Conductive Pedagogy
Helga Hollósy	Language Teacher	Department of Human Sciences
dr. Zsófia Kállay	College Senior Lecturer	Department of Conductive Pedagogy
Anita Gabriella Kapcsándy	Master Teacher	Department of Conductive Pedagogy
dr. habil Anna Kelemen	College Professor	Department of Conductive Pedagogy
Dorottya Kenesei	Assistant Lecturer	Department of Conductive Pedagogy
dr. István Kollega Tarsoly	Senior Research Fellow	Department of Human Sciences
Erika Kolumbán	Master Teacher	Department of Conductive Pedagogy
dr. János Lengyel	Language Teacher	Department of Human Sciences
dr. Róbert Mascher	College Professor	Department of Human Sciences
László Matos DLA	College Professor	Department of Human Sciences
Dóra Ágnes Miliesz	College Assistant Lecturer	Department of Conductive Pedagogy
Eszter Pázmándi	College Assistant Lecturer	Department of Human Sciences
Katalin Perger	Master Teacher	Department of Human Sciences
dr. Henriett Pintér	College Associate Professor	Department of Human Sciences
Márk Pulay	Master Teacher	Department of Human Sciences
Gábor Szabó	Assistant Lecturer	Department of Human Sciences
Gábor Szabó	Assistant Lecturer, Neuropsychologist	Department of Conductive Pedagogy
dr. habil Zsuzsanna Szilárd	College Professor	Department of Human Sciences
dr. Ibolya Túri	College Professor	Department of Conductive Pedagogy
dr. Tímea Vissi	College Assistant Professor	Department of Conductive Pedagogy
Nóra Zimonyi	Assistant Lecturer	Department of Conductive Pedagogy
Andrea Zsebe Phd.	College Professor	Department of Human Sciences