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UNIVERSITY BULLETIN
and
ACADEMIC PROGRAM

of the

Szeged University Medical School

Curriculum for the Schools of Medicine,
Dentistry and Pharmacy

1984

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SZTE Egyetemi Könyvtár



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The Cathedral on the Dóm Square

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SZEGED: YESTERDAY AND TODAY

Situated on the banks of the River Tisza, Szeged is a city with deep historical and cultural roots. Even before the establishment of the Hungarian Kingdom in 1001 AD, Szeged was already an important center of trade, and by the year 1246 it was granted town status by King Béla IV. Even though economic and cultural development was nearly brought to a standstill by the Turkish occupation between 1526 and 1686, the city continued to grow and prosper while regaining its special Royal rights in 1719.

In the 19th century, the development of the city rapidly accelerated. Szeged played a prominent part in the War of Independence (1848–49) as it was the place of the famous recruiting speech of Lajos Kossuth, and was also the last seat of the Parliament of the Revolutionary Government in 1849.

Most of the city was destroyed in 1879, when the Tisza River overflowed its banks, and inundated the surrounding areas. The city was devastated; however, with the financial support and aid of a number of foreign countries the entire city was reconstructed. Thus its present layout of wide streets, incorporating a network of two rings with avenues crossing them gives the city its fairly modern and organized appearance.

For many centuries Szeged has been a center of trade and education. However, since World War II, its profile and role has changed dramatically. Now the city has become the center of Southern Hungary concentrating more on light and heavy industry. Exploration of oil and natural gas fields in the outskirts of Szeged has been developing rapidly. Since World War II, and especially since the 1960's, many new housing projects have been built, providing up-to-date standards of accommodation.

Szeged has two universities with a combined enrollment of 10,000 students. The Medical School consists of the Schools of Medicine, Dentistry and Pharmacy. On the other hand, József Attila University consists of the Law School and the Schools for Arts and Sciences. The students at the universities are drawn from all parts of Hungary, and there are also students from many foreign countries.

Szeged, with a population of 200,000 is often nick-named the "City of Sunshine" and is situated on the Southern tip of the Great Hungarian Plain. It is well-known for its hot-sunny summers with temperatures averaging around 30°–35 °C, while the winters are usually mild with an occasional cold spell.

Szeged is on the crossroad of the highway E5 which begins in Oostende (Belgium) and continues to Istanbul via Budapest and Belgrade. The nearest airport is in Budapest, from where Szeged can easily be reached by express train in 2½ hours. A rent-a-car system also operates throughout Hungary; however, due to limited parking facilities, students are not encouraged to use cars in the premises of the University. Public transportation in the forms of streetcars, trolleybuses and autobuses are on a regular schedule between 5 a. m. and 11 p. m. for a nominal fare (1 Forint=2 cents for a ride on streetcar). A student pass can be purchased for 52,— Ft (\$1.00), which guarantees an unlimited amount of rides for a month.

Sports clubs of all kinds, for both full-time sportsmen and amateurs, art galleries, museums, live and movie theatres (including a large open-air theatre operating on Cathedral Square in the summer season), the Szeged Symphony Orchestra, choral societies, dancing clubs, discotheques etc. are at disposal for recreation—all within the financial possibilities of a University student. Students are especially encouraged to join sports clubs and cultural associations of the University.

THE SZEGED UNIVERSITY MEDICAL SCHOOL: A SHORT HISTORY

The University was originally established in Kolozsvár, Transylvania (currently Cluj/Napoca, Romania) in 1872; after the conclusion of World War I it had to be moved to Szeged. Between 1921 and the present, great advances have been made in the development of the University, especially the Medical School. Most of the university buildings were constructed between 1924 and 1930. Preclinical departments of the Medical School and the School of Sciences are arranged around Cathedral Square. The University Hospitals, housing the clinical departments, are in the area between the Cathedral and the Tisza River. Some of the preclinical departments as well as the Schools of Law and Arts were accommodated in other buildings; however, even off-campus departments of the Medical School (like Anatomy, Pathology and Forensic Medicine) are within easy access from the Center of the City (5 minutes by streetcar).

Many famous and world renowned professors have been on the faculty of the School of Medicine, including József Baló (pathologist), Béla Issekutz and Miklós Jancsó (pharmacologists), Dezső Miskolczy (neurologist), István Rusznyák and Géza Hetényi (internal medicine) as well as Albert Szent-Györgyi, professor of medical chemistry, who was awarded the Nobel Prize in 1937 for his scientific achievements in the field of biochemistry.

In 1940, during the Second World War, the University was moved back again to Kolozsvár, while in Szeged, a new university, with mainly the former staff was legally established.

An important organizational change occurred in 1951, which separated the School of Medicine from the rest of the University. Since then it has been functioning as an independent University Medical School, under the supervision of the Ministry of Health.

Currently, Szeged University Medical School is the regional center of health care for all of Southern Hungary, offering widespread cooperation and collaboration with the surrounding hospitals and research institutes.



Apáthy István Student's Home

Central building for teaching



INSTRUCTION

The objective of a good medical education is to provide the student with the requisite amount of basic factual knowledge and a willingness to continue his/her education as long as he/she remains active in medicine. Another goal of a sound medical education should be to gain the ability to evaluate in an objective manner the current trends and latest advances in medicine, and to acquire and nurture the attitudes and ideals that are implied in accepting the medical profession as a "way of life" rather than merely a way of earning a living. The student must come to realize the high ethical standards that are required in both his personal and professional conduct. The overall education of a physician should not only make him proficient in the science and art of medicine, but should also allow him to assume efficiently the responsibilities associated with his position in the community and society.

Medicine is such a broad and extensive field that it is virtually impossible to learn in just six years everything that is required for the practice of medicine. The student is expected to acquire the fundamentals which will enable him/her, with further training, to enter any of the fields in general or specialty practice, research or education.

The Szeged University Medical School provides a curriculum leading to the degree of Doctor of Medicine or Doctor of Dental Medicine. This program begins with an introduction to the normal structure and function of the human body, and continues with a study of the effects of disease. The clinical portion of the program takes place in the wards of the clinical departments, in outpatient clinics and in teaching hospitals, where students learn under careful and guided supervision how to apply their scientific knowledge to the care of patients. — Another curriculum leads to the degree of Master of Sciences in pharmacy.

In Hungary, according to the principles of socialism, free health care is one of the human rights, to which every citizen of the country is entitled. While studying medicine in Hungary, each enrolled student, regardless of citizenship is entitled to this same right, and is expected to observe it while in contact with patients throughout his/her medical curriculum.

RESEARCH

Although the primary purpose of the Szeged University Medical School is teaching medical students the science and art of medicine, another equally important function is scientific research, which is aimed at disclosing the structure and function of the human body and the causes and treatment of disease. Scientific research in the Szeged University Medical School is supported mainly by the Hungarian Ministry of Health and by the Hungarian Academy of Sciences. Additional grants come from pharmaceutical factories and interdisciplinary projects.

Currently, more than 80 research projects are being conducted at the Medical School in virtually every area of the bio-medical sciences. Contributions made by Szeged University Medical School researchers to the growth of medical knowledge have been numerous and have received worldwide recognition. The main areas of scientific research conducted by the various departments of the Medical School are being listed in the Chapter describing organization and personnel of preclinical and clinical departments.

Students whose average grades are above a B+ (4.0 on a 5.0 scale according to the Hungarian system of classification) are entitled to enter the scientific students' circles, which operate in each Department of the Medical School. Students choosing to enter this program pursue combined courses in medical and graduate studies and spend their free time in laboratories of the preclinical and clinical departments. This program provides an unparalleled opportunity to review and incorporate the basic concepts of science in relation to clinical medicine. It provides research experience and advanced basic science training for students expecting to enter medical research and education as a career and a superior scientific background for clinical medicine. Graduate students present their scientific results each year before the Congress of the Scientific Students' Circles.

ADMISSION REQUIREMENTS

High School Preparation. The applicant must have satisfactorily completed a four-year course of study in an accredited high school or its equivalent.

College Education. Since the curriculum at the Szegec University Medical School is comprised of not only clinical and preclinical courses, but also basic medical disciplines, college education is not a prerequisite for admission. However, if college preparation is available, it is advisable that the student planning to enter medical school should obtain a good general education and emphasize those areas in which he/she has the greatest personal interest. A student whose major undergraduate interest lies outside the biological or physical sciences should be adequately prepared in the fundamentals of chemistry, physics and biology.

Entrance Examination. Applicants for admission have to take the Entrance Examination given by the professors and senior staff members of the Szegec University Medical School. The Entrance Examination (physics, biology and chemistry) consists of a written section and an oral part. Foreign applicants are examined in English.

Fees and Expenses. Fees and deposits paid by foreign students at the Szegec University Medical School are as follows:

Regular Fees

Tuition	\$ 300.— per month
Accommodation in Students' Dormitories	\$ 50.— month
Board	\$ 100.— per month
	<hr/>
	\$ 450.— per month
Books and supplies	\$ 200.— per year

There is no fee charged for registration, credit hours or for using microscopes. There is no breakage deposit, or laboratory fees.

Students are required to buy their own instruments for dissection

(anatomy) as well as their phonendoscopes (internal medicine) and reflex hammers (neurology). White coats are supplied by the University.

Students are supposed to learn the basics of the Hungarian language during the first four terms in order to enable them to perform personal interviews with patients, beginning in the fifth term.

The cost of living in Hungary is comparatively inexpensive. A monthly \$50.—should be sufficient for everyday expenses, including public transportation.

APPLICATION PROCEDURE

Applications must be received between March 1 and June 30. Application request cards may be obtained at Hungarian Embassies; after filling out the necessary information they should be sent to the Office of the Dean, Szeged University Medical School, H-6701 Szeged, Hungary.

Applicants are notified on the self-addressed reply card by the Dean of the acceptance or of the date of Entrance Examination. Applicants are expected to present their credentials for evaluation to members of the Entrance Examination Committee. The Examination is followed by a physical check-up. Applicants who appear well qualified on the basis of the initial screening by the Committee are required to submit reports of complete medical examinations by their own physicians.

Lecture room



THE MEDICAL CURRICULUM

The curriculum in medicine requires some basic knowledge in biology and physics (see "Admission Requirements"), and consists of 6 years of basic medical, preclinical and clinical studies. The sequence of courses is as follows:

1. The first 2 years are devoted to basic medical sciences (Anatomy, Biochemistry, Biology, Chemistry, Embryology, Histology, Physics, Physiology)
2. The next 3 years are devoted to preclinical disciplines like Microbiology, Pathology, Pathophysiology, Psychology and Pharmacology, as well as to the various clinical sciences (Internal Medicine, Surgery, Dermatology, Pediatrics, Gynecology and Obstetrics, Neurology and Psychiatry, Ophthalmology, Radiology, Oto-rhino-laryngology, Urology, Anesthesiology, Pulmonology, Stomatology) joined by social medicine (Forensic Medicine, Public Health and Epidemiology, Health Service Organization, Medical Ethics) in the fifth year.
3. In the 6th year students must submit a written thesis. Moreover, they have to spend this time with practical work in teaching hospitals and/or clinical departments. After practical training, students take final examinations in Internal Medicine, Surgery, Pediatrics, Neurology and Psychiatry. The course is concluded by the State Board Examination, which includes having the students prove their skills in physical examination and treatment of a patient in the interview situation.

The sequence of courses for all 12 semesters can be seen in the following pages in greater detail.

1st semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term*)	Examination**
ANATOMY history of anatomy, general and electron microscopic cytology, gross anatomy and topographical anatomy of the extremities, skull osteology	75	Semi-final
BIOCHEMISTRY basic enzymology, metabolism of lipids, proteins and nucleic acids	40	—
CHEMISTRY physical chemistry, nature of the chemical bond, inorganic chemistry, organic chemistry	85	Semi-final
PHYSICS biometry, structure of atoms and molecules, thermodynamics	40	—

* Number of hours per week can be obtained by dividing this figure by 15

** Semi-final examination ("colloquium") concludes a term; final examination ("rigorosa", cumulative final) concludes two or more terms.

2nd semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
ANATOMY gross and topographical anatomy of the trunk, the thoracic and abdominal cavities, anatomy and histology of cardiovascular, respiratory, digestive systems and those of blood and lymphatic organs	140	Semi-final
BIOCHEMISTRY biochemistry of cellular organelles, biochemical regulatory mechanisms of the cell, systems biochemistry I.	15	Semi-final
BIOLOGY principles of biological organization, cell division, molecular genetics	20	—
CHEMISTRY chemistry of biologically active compounds, ion exchangers, chromatography, organic polymers	20	Final

PHYSICS	35	Final
physical properties of the membranes, electricity and bioelectricity, spectroscopy, physical basis of X-ray radiation, radioactivity and its measurement		

3rd semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
ANATOMY	96	Semi-final
anatomy and histology of the urogenital system, nervous system and endocrine organs, embryology I.		
BIOCHEMISTRY	17	—
systems biochemistry II., immunological biochemistry		
BIOLOGY	30	Final
human genetics		
PHYSIOLOGY	88	Semi-final
membrane physiology, fundamental neurophysiology, systems physiology I.		

4th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
ANATOMY anatomy and histology of sense organs, topographical anatomy of the head and neck, embryology II.	98	Final
BIOCHEMISTRY systems biochemistry III.	23	Final
PHYSIOLOGY systems physiology II.	57	Final
SOCIAL MEDICINE the history of medicine, sciences and medicine, the structure of health services, the social environment of man, health and disease	30	—

5th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
CLINICAL DIAGNOSTICS anamnesis and physical diagnostics, instrumental diagnostics and patient evaluation	45	Semi-final
MICROBIOLOGY bacterial structure and physiology, microbial genetics, chemotherapy, biochemical and biophysical nature of viruses, mechanism of viral infections, descriptive bacteriology and virology	67.5	Semi-final
PATHOLOGY general pathology (cellular injury, abnormal division and differentiation, disturbances in circulation, inflammation and neoplasia), pathology of autoimmune diseases, systems pathology I.	135	Semi-final
PATHOPHYSIOLOGY acid-base regulation and fluid electrolytes, pathophysiology of the immune system and inflammation, fever, systems pathophysiology I.	60	Semi-final

PSYCHOLOGY	15	Semi-final
personality and illness, defense mechanism, patient-physician interactions, the role of personality of the physician		
SURGERY	60	—
asepsis, antisepsis, surgical infections, hemostasis, transfusion, basic neurosurgery		

6th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
CLINICAL DIAGNOSTICS	30	—
methods of laboratory diagnosis		
ETHICS IN MEDICINE	28	Semi-final
moral and legal responsibility of the physician, moral behaviour of the physician, humanistic aspects of medicine		
INTERNAL MEDICINE	75	—
diseases of the heart and circulation, renal diseases		
MICROBIOLOGY	45	Final
descriptive virology, mycology and parasitology		

PATHOLOGY	75	Final
systems pathology II.		
PATHOPHYSIOLOGY	45	Final
systems pathophysiology II.		
PHARMACOLOGY	75	—
principles of drug action and usage, drug metabolism, molecular pharmacology, neuropharmacology, cardiovascular pharmacology, clinical pharmacology I.		
RADIOLOGY	30	—
radiation biology, radiation hazard and protection, radiation therapy, diagnostic principles, radiographic technique, radiographic diagnosis I.		
SOCIOLOGY	28	Semi-final
SURGERY	45	Semi-final
traumatology		

7th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
DENTISTRY caries and dental prosthetics, orofacial inflammations and tumors, basic orofacial surgery, diseases of the salivary glands, radiographic diagnosis in the orofacial region	36	Final
INTERNAL MEDICINE diseases of the respiratory system and the digestive organs	72	—
OBSTETRICS AND GYNECOLOGY endocrine control of female fertility, pregnancy, labour, delivery and lactation, physiology and pathology of pregnancy, placental physiology and pathology	60	
PHARMACOLOGY clinical pharmacology II., toxicology	60	Final
PULMONOLOGY malformations of the lung, diseases of the pleura, lung tuberculosis, lung tumors, lung myocyes	36	Final

RADIOLOGY	24	Final
radiographic diagnosis II.		

SURGERY	36	—
vascular surgery, cardiac surgery, chest surgery, gastroduodenal surgery		

8 th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
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ANESTHESIOLOGY AND INTENSIVE CARE	58	Semi-final
methods of anesthesia, maintenance of body fluids and electrolytes, equilibrium during and after operation, postoperative care, resuscitation, medical first aid, shock, intensive care in toxicology, task and structure of the intensive care unit		

INTERNAL MEDICINE	178	Semi-final
autoimmune diseases, rheumatology, hematology, endocrinology		
	(including hospital practice)	

**OBSTETRICS AND
GYNECOLOGY**

205

diseases of the female
reproductive organs, premarital
and marital counseling,
contraception, medical problems
of sexuality

(including
hospital
practice)

ORTHOPEDICS

44

Final

screening and prevention of hip
joint dysplasia, rehabilitation of
spinal deformities, arthrosis,
spondylosis, lumbar disc disease,
acute and chronic inflammations
of joint, bone tumors

SURGERY

145

Semi-final

abdominal surgery, proctology,
peritonitis, surgery of the
endocrine organs

(including
hospital
practice)

PSYCHOLOGY

42

Final

9 th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
DERMATOLOGY cutaneous infections, allergy and immunopathology of the skin, pathology and treatment of burn patients, cutaneous symptoms of internal diseases, venereal diseases	66	Final
FORENSIC MEDICINE law and medicine, forensic diagnosis of mechanical wounds, medicolegal investigations in practice	33	—
INTERNAL MEDICINE metabolic diseases, infectious diseases	153 (including hospital practice)	Semi-final
NEUROLOGY AND PSYCHIATRY muscle and peripheral nerve diseases, spinal cord diseases, cerebellar syndromes, Parkinsonism, epilepsies, cerebrospinal fluid pathology and diagnostics	44	Semi-final

PEDIATRICS	44	—
neonatal, infant and child physiology and normal development, pediatric care and prevention, malnutrition, vitamin deficiencies, perinatology, pediatric infections		
PUBLIC HEALTH AND EPIDEMIOLOGY	48	—
selected topics of epidemiology, hospital-associated infections, methods of sterilization in medical practice		
SOCIAL MEDICINE	60	Final
statistical methods in medical practice, prevention and rehabilitation in medicine, structure of the Hungarian Health Service		
UROLOGY	36	Final
malformations, injuries, inflammations, tumors, renal failure and hemodialysis		

10th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
CLINICAL GENETICS applied human genetics	12	—
FORENSIC MEDICINE assessment of criminal death and suicide, suspicious death, traffic accidents and medical practice, forensic sexology	56	Final
INTERNAL MEDICINE differential diagnosis in internal medicine	44	—
NEUROLOGY AND PSYCHIATRY tumors of the nervous system, brain edema, cerebrovascular disorders, infections and inflammations, multiple sclerosis, child neurology, psychiatry	126 (including hospital practice)	—
OPHTHALMOLOGY diseases of the eye, eyelids and lacrimal gland, ophthalmoneurology	64	Final

OTO-RHINO-LARYNGOLOGY	55	Final
diseases of the nose, paranasal sinuses, ear and larynx, otoneurology		
PEDIATRICS	115	—
pediatric cardiology, endocrinology, gastroenterology, neurology, oncology, pediatric surgery, methods of pediatric diagnosis, treatment and prevention	(including hospital practice)	
PUBLIC HEALTH AND EPIDEMIOLOGY	66	Final
environmental hygiene, environmental diseases, carcinogenesis, teratogenesis and mutagenesis, industrial hygiene		

11th and 12th semesters

(6th year)

Courses and Topics	Practicals (No. of weeks)	Examination
INTERNAL MEDICINE hospital practice	13	Final
SURGERY hospital practice	13	Final
PEDIATRICS hospital practice	9	Final
NEUROLOGY AND PSYCHIATRY hospital practice	9	Final
OBSTETRICS AND GYNECOLOGY hospital practice	4	Final

THE DENTAL CURRICULUM

The courses and examinations in the first 2 years are identical with those of the Medical Curriculum. Furthermore the topics of some courses (marked with asterisk) conform with those of the Medical Curriculum. The topics of double asterisk denoted courses are roughly identical but much shorter than those of the Medical Curriculum. At the end of the 10th semester the student has to submit a written thesis. The state board examination and presentation of the thesis are identical in principle with that of the Medical Curriculum.

5th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
MICROBIOLOGY*	48	Final
PATHOLOGY (including oral pathology)	60	Smi-final
PATHOPHYSIOLOGY*	42	Semi-final
PSYCHOLOGY*	12	Semi-final
SURGERY	66	Final
asepsis, antisepsis, surgical infections, hemostasis and transfusion, general surgery		

ORAL BIOLOGY	30	Semi-final
anatomy and physiology of the oral cavity and organs (anatomy includes gross anatomy, topographical anatomy, histology and embryology)		

BASIC CONSERVATIVE DENTISTRY	54	—
supplementation of hard dental tissues: materials, methods and devices, dental filling materials		

BASIC PROSTHETIC DENTISTRY	42	—
basic gnathology, morphology of the occlusal surfaces, wax-modeling of occlusal surfaces in a medium-range articulator, materials in dentistry		

ANESTHESIOLOGY AND INTENSIVE CARE*	12	Semi-final
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6th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
PATHOLOGY* (including oral pathology)	84	Final
PATHOPHYSIOLOGY*	28	Final

PHARMACOLOGY*	28	—
SOCIOLOGY*	14	Semi-final
BASIC CONSERVATIVE DENTISTRY	70	—
endodontic treatment and root filling: materials, methods and devices		
BASIC PROSTHETIC DENTISTRY	70	—
fixed dental prostheses: crowns, bridges and posts, preparation of the teeth for fixed dental prostheses, preparation of the prostheses		
OROFACIAL SURGERY	84	Semi-final
extraction of the teeth, inflammation in the orofacial region, fractures of maxilla and mandible		
DENTAL RADIOLOGY	56	Final
diagnostic principles, radiographic technique, radiographic anatomy of the teeth, maxilla and mandible, radiographic diagnosis of the orofacial region		

7th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
DERMATOLOGY**	48	Semi-final
INTERNAL MEDICINE**	60	Semi-final
NEUROLOGY AND PSYCHIATRY	102	Semi-final
PHARMACOLOGY*	36	Final
SOCIAL MEDICINE	12	Final
CONSERVATIVE DENTISTRY pathology, symptomatology, epidemiology, prevention and treatment of caries, filling of the teeth, cavity preparation, filling materials and methods	84	—
PROSTHETIC DENTISTRY bridges, posts, full denture, removable partial prostheses, crowns: methodology and full practice	120	—
OROFACIAL SURGEY practice in dento-alveolar surgey	36	—

DISEASES OF THE ORAL MUCOSA	24	—
viral, bacterial and mycotic infection, allergic diseases, oral symptoms of internal and dermatological diseases, precanceroses, tumors of the oral cavity		

8th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
INTERNAL MEDICINE**	56	Final
OBSTETRICS AND GYNECOLOGY**	14	—
PUBLIC HEALTH AND EPIDEMIOLOGY**	28	—
CONSERVATIVE DENTISTRY	84	Semi-final
complications of caries, pathology, symptomatology and treatment of pulpitis, periodontitis, dental inflammations and focal infections, endodontic treatment and root filling in practice		

PROSTHETIC DENTISTRY	112	Semi-final
<p>partial removable prostheses, functional diseases of dental arches, occlusal adjustment in therapy, reconstructive prosthetics, implantation techniques, the preparation of posts, full denture and partial removable prostheses in laboratory and in the outpatient practice</p>		
OROFACIAL SURGERY	42	—
<p>practice in dento-alveolar surgery</p>		
ORTHODONTICS	42	
<p>developmental disorders of the teeth and the orofacial region, diagnostics and treatment of developmental disorders, prevention in orthodontics, therapeutical devices</p>		
CHILD DENTISTRY	42	—
<p>morphology and pathology of the deciduous teeth, caries of the deciduous teeth, pulp reactions of the deciduous teeth, endodontic treatment and root filling, traumatology in child dentistry, anesthesiology and psychology in child dentistry</p>		
PERIODONTOLOGY	14	—
<p>structure and physiology of the alveolar arches and the gums, diseases, diagnostics and treatment</p>		

9th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
ETHICS IN MEDICINE*	24	Semi-final
FORENSIC MEDICINE**	12	Final
OPHTHALMOLOGY*	15	—
OTO-RHINO-LARYNGOLOGY*	36	Final
PEDIATRICS**	18	—
CONSERVATIVE DENTISTRY ambulant practice	48	—
PROSTHETIC DENTISTRY ambulant practice	48	—
OROFACIAL SURGERY inflammations of paranasal sinuses, traumatology of the orofacial region, tumors of the orofacial region, diseases of the salivary glands	60	
ORTHODONTICS diagnostics and complex therapy of developmental disorders, ambulant and hospital practice	90	

CHILD DENTISTRY	90	—
epidemiology, treatment and prevention of caries in the child, pulp extirpation in the child, prosthetic dentistry in the child, radiographic diagnosis in the child, diseases of the oral mucosa in childhood, outpatient practice		

PERIODONTOLOGY	24	Final
oral hygiene, scaling, occlusal adjustment and polishing in practice		

10th semester (Spring Term)

Courses and Topics	Practicals (No. of weeks)	Examination
CONSERVATIVE DENTISTRY	4	Final
6 hours' outpatient practice per day		
PROSTHETIC DENTISTRY	4	Final
6 hours' outpatient practice per day		
OROFACIAL SURGERY	4	Final
6 hours' hospital practice per day		
ORTHODONTICS	4	Final
6 hours' outpatient practice per day		

CHILD DENTISTRY

4

Final

**6 hours' outpatient practice
per day**

**State Board Examination (examination and treatment of a patient) and
thesis presentation are the final steps of the 10th semester.**

CURRICULUM IN PHARMACY

Attending the School of Pharmacy requires some basic knowledge in biology and physics (see "Admission Requirements"). The program consists of 4 and a half years of basic and special studies. The sequence of courses is arranged as follows:

1. The first 2 years are devoted to the basic sciences (Physics, Mathematics, General Chemistry, Inorganic and Organic Chemistry, Qualitative and Quantitative Chemical Analysis, Physical Chemistry, Colloid Chemistry, Biochemistry, Botany, Biology, Normal and Pathological Physiology).
2. The 3rd and 4th years specifically stress the special pharmaceutical sciences: Pharmacognosy, Pharmaceutical Chemistry and Chemical Analysis, Pharmacodynamics and Toxicology, Microbiology, Pharmaceutical Technology, Public Health and Epidemiology, First-aid, Ethics, Social Pharmacy and Management (of Drug Matter).

After the 2nd and 3rd year, students have practical training in public pharmacy stores.

In the 9th semester, the students are engaged for 24 weeks in a practical training program performed in public and hospital pharmacy stores. After the practical training period, students take examinations in the presence of the State Board, where they have to prove their skills in pharmaceutical sciences (both practical and theoretical).

Pharmaceutical diploma (licence) entitles the bearer to work in public and hospital pharmacy stores, laboratories, pharmaceutical works, drug research institutes, in the international trade of drugs, management of drug matter, etc.

A detailed account of the sequence of courses can be seen in the following pages.

1st semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examinations
PHYSICS basic phenomena and relations in physics, structure of atoms and molecules, radiations	30+30	—
MATHEMATICS basic relations in mathematics, functions, differential and integral calculus, biometrics, calculators and computers	30+45	Semi-final
GENERAL CHEMISTRY basic phenomena and relations in chemistry, thermochemistry, electrochemistry, in practice: basic chemical operations	45+90	Semi-final
BIOLOGY principles of biological organization, cell biology, molecular genetics	30	—

2nd semester (Spring Term)

<i>Courses and Topics</i>	<i>Lectures and Practicals (No. of hrs per term)</i>	<i>Examination</i>
PHYSICS radiations, methods for the investigation of chemical structure, biophysics, electronics	35+45	Final
INORGANIC CHEMISTRY inorganic compounds, reactions in inorganic chemistry	60	Final
QUALITATIVE CHEMICAL ANALYSIS detection and identification of atoms, atomgroups, and ions	30+90	Semi-final
BIOLOGY human genetics, health and disease	15+15	Final

3rd semester (Fall Term)

<i>Courses and Topics</i>	<i>Lectures and Practicals (No. of hrs per term)</i>	<i>Examination</i>
QUANTITATIVE CHEMICAL ANALYSIS basic relations in the chemical analysis, quantitative measurements of ions and compounds	30+75	—

ORGANIC CHEMISTRY general principles in organic chemistry, organic compounds, reactions and syntheses, biologically active substances	60+60	Semi-final
PHYSICAL CHEMISTRY basic principles in physical chemistry, reaction kinetics, thermodynamics, electrochemistry	45	Semi-final
BOTANY cytology and histology, plant organs, plant physiology and taxonomy	30+30	—
4th semester (Spring Term) Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
QUANTITATIVE CHEMICAL ANALYSIS (continued)	30+60	Final
ORGANIC CHEMISTRY (continued)	45+60	Final
PHYSICAL CHEMISTRY (continued)	75	

PHYSIOLOGY-PATHOLOGY-BIOCHEMISTRY	30+15	—
membrane physiology, basic phenomena in physiology and biochemistry; normal and pathological physiology of human organs		
COLLOID CHEMISTRY	30+30	Semi-final
basic relations in colloid chemistry, its application in pharmaceutical technology		
BOTANY (continued)	30+30	Semi-final

5th semester (Fall Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
PHARMACOGNOSY	45+60	Semi-final
basic pharmacognosy, important medicinal plants, and their biologically active substances		
PHARMACEUTICAL CHEMISTRY	60+90	
basic pharmaceutical chemistry, chemistry and identification of drugs and biologically active substances used in human and veterinary therapy		

PHARMACEUTICAL TECHNOLOGY	30	—
basic pharmaceutical technology, technological operations, apparatuses, machines and instruments, drug stability, dosage forms and formulation of drugs		
PHYSIOLOGY-PATHOLOGY-BIOCHEMISTRY	45+30	Semi-final
(continued)		
MICROBIOLOGY	45+30	Final
bacterial structure and physiology, microbial genetics, selected topics in bacteriology and virology		
SOCIOLOGY	15	Semi-final
6th semester (Spring Term)		
Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
PHARMACOGNOSY	30+60	Final
(continued)		
PHARMACEUTICAL CHEMISTRY	45+90	Final
(continued)		
PHARMACEUTICAL TECHNOLOGY	30+90	Semi-final
(continued)		

PHYSIOLOGY-PATHOLOGY- BIOCHEMISTRY (continued)	30+45	Final
7th semester (Fall Term)		
Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
PHARMACEUTICAL TECHNOLOGY (continued)	30+135	—
PHARMACODYNAMICS AND TOXICOLOGY general and special pharmaco- dynamics, toxicology, pharmacokinetics and applied biopharmaceutics	45+45	Semi-final
PHARMACEUTICAL CHEMISTRY AND ANALYSIS OF DRUGS (continued)	45+75	Final
PUBLIC HEALTH AND EPIDEMIOLOGY selected topics of epidemiology, infections, methods of sterilisation, in pharmacy, environmental protection	30	—
FIRST AID bases and practice of first-aid	15	Semi-final

Organization of the Szeged University Medical School
THE UNIVERSITY COUNCIL

Prof. István Cserháti, M. D., Ph. D., Sc. D.,
 Rector Magnificus

Zoltán Vass, I. D.
 Secretary General

ADMINISTRATION

Prof. Emil Minker, M. D., Ph. D.,
 Vice Rector (Education)

Prof. Ferenc László, M. D., Ph. D., Sc. D.
 Vice Rector (Scientific Research)

Prof. Ottó Ribári, M. D., Ph. D.
 Vice Rector (Clinical Affairs)

Lajos Szócs, E. D.
 General Manager

**FINANCE, MANAGEMENT
 and MAINTENANCE**

Nurses' dormitories
 Thermal plant
 Central laundry
 Child care center
 Repair Shops

FACULTY OF GENERAL MEDICINE

(including Dental School)

**CENTRAL INSTITUTIONS AND
 LABORATORIES**

FACULTY OF PHARMACY

FACULTY COUNCIL

Prof. Gyula Telegdy, M. D., Ph. D., ScD
 Dean
 Prof. Péter Kása, M. D., Ph. D., Sc. D.
 Associate Dean
 Prof. László Kovács, M. D., Ph. D.
 Associate Dean

Blood Transfusion Center
 Central Isotope Diagnostics
 Laboratory
 Central Laboratory for
 Clinical Chemistry
 Central Laboratory for
 Clinical Microbiology

FACULTY COUNCIL

Prof. Béla Selmeczi, Ph. D. Dean
 Mihály Kata, Ph. D.
 Associate Dean

Basic and Preclinical Departments

Dept. of Anatomy, Histology and Embryology
Dept. of Biochemistry
Dept. of Experimental Surgery
Dept. of Forensic Medicine
Dept. of Medical Biology
Dept. of Medical Chemistry
Dept. of Microbiology
Dept. of Pathology
Dept. of Pathophysiology
Dept. of Physiology
Dept. of Public Health and Epidemiology
Dept. of Social Medicine

Clinical Departments

Dept. of Dermatology
1st Dept. of Internal Medicine
2nd Dept. of Internal Medicine
Dept. of Neurology and Psychiatry
Dept. of Obstetrics and Gynecology
Dept. of Ophthalmology
Dept. of Oto-Rhino-Laryngology
Dept. of Pediatrics
Dept. of Radiology
Dept. of Stomatology
Dept. of Clinical Surgery
Dept. of Neurological Surgery
Dept. of Urology

Central Library
Central Pharmacy
Central Research Laboratory
Computing Center
Department of Didactics
Department of Foreign Languages
Department of Physical Training
Department of Sociology
Students' Dormitories

Pharmaceutical Departments

Dept. of Pharmaceutical Chemistry
Dept. of Pharmaceutical Technology
Dept. of Pharmacodynamics
Dept. of Pharmacognosy

Departments of József Attila University,

involved in training of medical (M) and/or pharmacy (P) students
Dept. of Botanics (P)
Dept. of Colloidal Chemistry (P)
Dept. of Experimental Physics (M, P)
Dept. of General and Physical Chemistry (P)
Dept. of Inorganic and Analytical Chemistry (P)
Dept. of Organic Chemistry (P)

ETHICS IN PHARMACY	15+15	Semi-final
<p>moral and legal responsibility of the pharmacists, public and human relations in the pharmaceutical praxis</p>		

8th semester (Spring Term)

Courses and Topics	Lectures and Practicals (No. of hrs per term)	Examination
PHARMACEUTICAL TECHNOLOGY (continued)	30+150	Final
PHARMACODYNAMICS AND TOXICOLOGY (continued)	45+60	Final
PUBLIC HEALTH AND EPIDEMIOLOGY (continued)	30+45	Final
SOCIAL PHARMACY structure of the Hungarian Health Service, economy and management, application of laws in pharmaceutical praxis, statistical methods	45	Final

DEPARTMENTS OF THE SZEGED UNIVERSITY MEDICAL SCHOOL

I. Central Institutions and Laboratories

Department of Sociology

Ferenc Bárány, Ph. D., Chairman of Department

Professor: Dr. Bárány

Associate Professors: Dr. Baranyai, Dr. Pál, Dr. Szilágyi

Assistant Professors: Dr. Balogh, Dr. Besenyi, Dr. Kotogán Dr. Papp,
Dr. Révész, Dr. Tráser

Staff of 7 members

Teaching: 1st, 2nd, 3rd, 4th, 5th year medical, dental and pharmacy students

Research: Economical, ideological and political aspects of the social health service

Blood Transfusion Center

György Gál, M. D., Ph. D., Head of Laboratory

Professor: Dr. Gál

Associate Professor: Dr. Kaiser

Staff of 6 members

Research: Blood stabilizers; immune serology; immune reactivity in cancer and uremia

Central Laboratory for Clinical Chemistry

Béla Tanos, M. D., Ph. D., Head of Laboratory

Professor: Dr. Tanos

Assistant Professor: Dr. Magyarlaki

Staff of 3 members

Central Laboratory for Clinical Microbiology

József Földes, M. D., Ph. D., Head of Laboratory

Professor: Dr. Földes

Assistant Professor: Dr. Nagy

Staff of 5 members

Research: Rapid diagnostic methods in microbiology; antibiotics resistance

Central Isotope Diagnostics Laboratory

László Csernay, M. D., Ph. D., Head of Laboratory

Professor: Dr. Csernay

Assistant Professors: Dr. Nemessányi, Dr. Rajtár

Staff of 7 members

Research: Isotope diagnosis of liver and bile duct; computer-aided analysis of scintigrams

Central Research Laboratory

Péter Kása, M. D., Ph. D., Sc. D., Head of Laboratory

Professor: Dr. Kása

Research Associate: Dr. Rakonczay

Staff of 5 members

Research: Bioregulation in acetylcholine-mediated systems; identification of cholinergic neurons. Instruments and equipment of the Laboratory are at the disposal of researchers in any other Department of the University Medical School.

Departments of Didactics

Tamás Örs Zoltán, Ph. D., Head of Department

Computing Center

István Győri, Ph. D., Head Mathematician

Research: Mathematical modelling of biological systems; compartmentalization; biometrics; symbol analysis; information systems

Department of Foreign Languages

Miklós Aszriev, M. A., Head Master

Teaching: 1st, 2nd, 3rd, 4th and 5th year medical, dental and pharmacy students

Department of Physical Education

László Boros Gyevi, M. A., Head Educator

Teaching: 1st, 2nd, 3rd, 4th and 5th year medical, dental and pharmacy students

Central Library

Andor Zallár, A. D., Chief Librarian

Central Pharmacy of the University

Géza Mezey, Ph. D., Head Pharmacist

Research: Applied pharmaceutical technology; clinical pharmaceutics; pharmaceutical organization

II. Preclinical Departments

Department of Anatomy, Histology and Embryology

Bertalan Csillik, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Csillik

Professor Emeritus: Dr. Sávy

Research Associate: Dr. Knyihár

Assistant Professors: Dr. Poberai, Dr. Tóth

Staff of 15 members

Teaching: 1st and 2nd year medical and dental students

Research: Molecular anatomy of impulse transmission; cytochemistry and electron microscopy of pain centers; regeneration and regulation in the central nervous system

Department of Biochemistry

Ferenc Guba, Ph. D., Sc. D., Chairman of Department

Professor: Dr. Guba

Research Associate: Dr. Török

Assistant Professors: Dr. Mazareán, Dr. Takács

Staff of 8 members

Teaching: 1st and 2nd year medical dental and pharmacy students

Research: Biochemical basis of motility; protein metabolism and differentiation of muscles: chemistry, function and electron microscopy

Department of Experimental Surgery

Sándor Nagy, M. D., Ph. D., Chairman of Department

Professor: Dr. Nagy

Professor Emeritus: Dr. Petri

Associate Professors: Dr. Kováts, Dr. Laczkovits, Dr. Végh

Staff of 11 members

Research: Role of autonomic nervous system in ileus; neurohormonal reactions and resistance against the shock; tumor and transplantation immunology

Department of Forensic Medicine

Vilmos Földes, M. D., Ph. D., Chairman of Department

Professor: Dr. Földes

Associate Professor: Dr. Kósa

Assistant Professors: Dr. Virágos-Kis, Dr. Szendrényi

Staff of 7 members

Teaching: 5th year medical and dental students

Research: Age-dependent alterations of the skeleton; diagnosis of injuries; genetical identification of parentage

Department of Social Medicine

Sámuel Zalányi, M. D., Ph. D., Chairman of Department

Professor: Dr. Zalányi

Assistant Professor: Dr. Pető

Staff of 6 members

Teaching: 2nd and 5th year medical and dental students; 4th year pharmacy students

Research: Morbidity studies in wards and in outpatient clinics; accident prevention; working conditions of health service personnel; organization of pharmacies

Department of Medical Biology

János Molnár, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Molnár, Dr. Szemere

Professor Emeritus: Dr. Kiszely

Assistant Professors: Dr. Berek, Dr. Husztik, Dr. Nyilasi, Dr. Vámos

Staff of 4 members

Teaching: 1st and 2nd year medical, dental and pharmacy students

Research: Structure and function of nuclear pre-messenger RNS; human genetics and chromosome examinations; mutagenic effects of industrial waste material

Department of Medical Chemistry

Kálmán Kovács, Ph. D., Sc. D., Chairman of Department

Professor: Dr. Kovács

Professor Emeritus: Dr. Krámlí

Associate Professors: Dr. Balásperi, Dr. Marek, Dr. Penke

Assistant Professors: Dr. Török, Dr. Zarándy

Staff of 5 members

Teaching: 1st year medical and dental students

Research: Synthesis of peptide hormones; mechanism of action of neurotransmitters and neurohormones; computer simulation of self-regulating biological systems

Department of Microbiology

Ilona Béládi, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Béládi

Associate Professors: Dr. Molnár, Dr. Pusztai, Dr. Rosztóczy

Research Associate: Dr. Mécs

Assistant Professors: Dr. Berencsi, Dr. Mándy, Dr. Mucsi, Dr. Prágai

Staff of 4 members

Teaching: 3rd year medical and dental students

Research: Interferon induction by adenoviruses; modulating and oncolytic properties of interferons; oncogenetic and immunosuppressive properties of adenoviruses; antiviral substances

Department of Pathology

Jenő Ormos, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Bara, Dr. Ormos

Associate Professor: Dr. Tószegi

Research Associate: Dr. Kuthy

Assistant Professor: Dr. Mágori

Staff of 16 members

Teaching: 3rd year medical and dental students

Research: Human pathology and experimental alterations of the neuroendocrine and the cardiovascular system. Cytochemistry and electron microscopy of experimental renal lesion.

Department of Pathophysiology

Gyula Telegdy, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Lázár, Dr. Telegdy

Associate Professor: Dr. Gecse

Assistant Professors: Dr. Kovács, Dr. Ottlecz

Staff of 5 members

Teaching: 3rd year medical and dental students

Research: Correlations between steroid and peptide hormones, neurotransmitters and prostaglandins; modulation of neurotransmitters by peptide hormones; effect of rare earth elements on the function of the reticulo-endothelial system.

Department of Pharmacology

László Szekeres, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Papp, Dr. Szekeres

Associate Professors: Dr. Koltai, Dr. Takáts

Staff of 9 members

Teaching: 3rd and 4th year medical and dental students

Research: Pathomechanism of cardiac arrhythmia; action of antiarrhythmic drugs; function of coronary blood vessels and the action of antianginal drugs.

Department of Physiology

Ferenc Obál, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Obál

Associate Professor: Dr. Benedek

Assistant Professors: Dr. Jancsó, Dr. Obál jun., Dr. Such, Dr. Szikszai

Staff of 5 members

Teaching: 2nd year medical, dental and pharmacy students

Research: Thermoregulation; regulation of sleep-wake cycles; mechanism of neurogenic inflammation. Electro-encephalography.

Department of Public Health and Epidemiology

Illés Dési, M. D., Ph. D., Sc. D. Chairman of Department

Professor Emeritus: Dr. Berencsi

Assistant Professors: Dr. Barabás, Dr. Nehéz, Dr. Selypes, Dr. Vetró

Staff of 5 members

Teaching: 5th year medical and dental students; 4th year pharmacy students

Research: Toxicology and hygienics of chemicals used in industry and in agriculture

III. Clinical Departments

Department of Dermatology

Miklós Simon, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Simon

Associate Professors: Dr. Dobozy, Dr. Husz, Dr. Szabó, Dr. Szekeres

Assistant Professors: Dr. Bertényi, Dr. Hunyadi, Dr. Korom, Dr. Kószó

Staff of 12 members

Teaching: 5th year medical students

Research: Clinical immunology; porphyrinopathies; oncology of melanomas; restorative plastic surgery

1st Department of Internal Medicine

Vince Varró, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Varró

Associate Professors: Dr. Bálint, Dr. Soñkodi,

Assistant Professors: Dr. Döbrönte, Dr. Hódi, Dr. Karácsony, Dr. Kiss,

Dr. Lonovics, Dr. Náfrádi, Dr. Pap, Dr. Pokorny, Dr. Várkonyi

Staff of 16 members

Teaching: 3rd, 4th and 5th year medical students; 3rd year dental students

Research: Experimental and clinical gastroenterology; clinical pharmacology; diabetology; nephrology; autoimmune diseases.

Division of Endocrinology

Ferenc László, M. D., Ph. D., Sc. D., Head of Division

Professors: Dr. Faredin, Dr. László

Research Associate: Dr. Tóth

Assistant Professors: Dr. Julesz, Dr. Laczi

Staff of 7 members

Research: Theoretical and clinical endocrinology of the hypothalamo-hypophyseal system

2nd Department of Internal Medicine

István Cserháti, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Cserháti, Dr. Tényi

Associate Professors: Dr. Csanády, Dr. Krizsa

Assistant Professors: Dr. Balogh, Dr. Hőgye, Dr. Maurer, Dr. Soós,
Dr. Varga

Staff of 16 members

Teaching: 3rd, 4th and 5th year medical students. 3rd year dental students

Research: Hematology and cardiology

Division of Intensive Care in Internal Medicine

István Sági, M. D., Ph. D., Head of Division

Associate Professor: Dr. Sági

Staff of 5 members

Department of Neurology and Psychiatry

János Szilárd, M. D., Ph. D., Chairman of Department

Professors: Dr. Domonkos, Dr. Heiner, Dr. Szilárd, Dr. Vargha

Professor Emeritus: Dr. Huszák

Associate Professor: Dr. Somogyi

Assistant Professors: Dr. Járdánházi, Dr. Pető, Dr. Szentistványi, Dr. Vetró

Staff of 27 members

Teaching: 5th year medical students

Research: Transport phenomena in neural membranes; biochemistry of neuromuscular diseases. Emotional affective disorders: biology, social psychology, psychopathology

Department of Obstetrics and Gynecology

Mihály Sas, M. D., Ph. D., Sc. D., Chairman of Department

Professors: Dr. Kovács, Dr. Sas

Associate Professors: Dr. Gellén, Dr. Morvay, Dr. Resch

Research Associates: Dr. Falkay, Dr. Traub

Assistant Professors: Dr. Annus, Dr. Apró, Dr. Bártfai, Dr. Godó, Dr. Herczeg, Dr. Kincses, Dr. Szabó, Dr. Szóllósi, Dr. Thurzó, Dr. Veress

Staff of 21 members

Teaching: 4th year medical students

Research: Endocrinology; perinatology; intrauterine physiology; regulation of human reproduction; positive and negative family planning

Department of Stomatology

Albert Mari M. D., Ph. D., Chairman of Department

Professor: Dr. Mari

Professor Emeritus: Dr. Hattyasy, Dr. Tóth

Associate Professors: Dr. Kovács, Dr. Prágai, Dr. Sonkodi

Assistant Professors: Dr. Fazekas, Dr. Gorzó, Dr. Méray, Dr. Pónyi,

Staff of 21 members

Teaching: 4th year medical students; 3rd, 4th and 5th year dental students

Research: Epidemiology and prevention of caries by fluoridation; cryotherapy of oral precanceroses; rehabilitation of patients after maxillo-facial surgeries

Department of Ophthalmology (Eye Diseases)

Ildikó Süveges M. D., Ph. D., Chairman of Department

Professor: Dr. Süveges

Professor Emeritus: Dr. Kahán

Associate Professor: Dr. Polgár

Assistant Professors: Dr. Hammer, Dr. Pápai, Dr. Szabó, Dr. Szalay

Staff of 16 members

Teaching: 5th year medical students

Research: Role of eye and pineal gland in neuroendocrine regulation; immunological background of eye diseases.

Department of Oto-Rhino-Laryngology (Ear-Nose-Throat Diseases)

Ottó Ribári, M. D., Ph. D., Chairman of Department

Professor: Dr. Ribári

Assistant Professors: Dr. Jóri, Dr. Nagymajtényi, Dr. Stanzel, Dr. Tomity

Staff of 12 members

Teaching: 5th year medical and dental students

Research: Experimental and clinical studies on audiological rehabilitation; clinical pharmacology (cochlear and vestibular side effects of drugs); tumors and allergic diseases in oto-rhino-laryngology

Department of Pediatrics

Domokos Boda, M. D., Ph. D., Sc. D., Chairman of Department

Professor: Dr. Boda

Associate Professors: Dr. Altorjay, Dr. Füzesi, Dr. László, Dr. Virág

Research Associates: Dr. Eck, Dr. Gyurkovics, Dr. Németh

Assistant Professors: Dr. Butor, Dr. Hencz, Dr. Illyés, Dr. Kertész, Dr.

Soltysiak, Dr. Szabó, Dr. Tekulics, Dr. Turi, Dr. Várkonyi,

Staff of 30 members

Teaching: 5th year medical and dental students

Research: Pathology of premature infants; congenital heart failure; respiratory metabolic and hematologic disorders; pediatric immunology; clinical pharmacology

Department of Radiology

Lóránt-Fráter, M. D., Ph. D., acting Chairman of Department

Professor Emeritus: Dr. Szenes

Associate Professors: Dr. Fráter, Dr. Kocsis

Assistant Professors: Dr. Csepregi, Dr. Beviz, Dr. Ökrös, Dr. Perényi,

Dr. Pokorny, Dr. Szücs

Staff of 19 members

Teaching: 5th year medical and dental students

Research: Angiography of blood and lymph vessels; functional X-ray diagnostics of lung and intestines in infants; thermography; complex tumor therapy; dosimetry in supervolt therapy; computer technique in oncoradiology

Department of Clinical Surgery

Sándor Karácsonyi, M. D., Ph. D., Chairman of Department

Professors: Dr. Gál, Dr. Karácsonyi

Associate Professor: Dr. Németh

Assistant Professors: Dr. Baltás, Dr. Csajbók, Dr. Csikos, Dr. Farkas,
Dr. Horváth, Dr. Kiss, Dr. Letohay, Dr. Nagy, Dr. Pepó, Dr. Petri,
Dr. Troján,

Staff of 21 members

Teaching: 3rd, 4th and 5th year medical students

Research: Transplantation; hemodynamics; uremia; ileus; surgical therapy
of gastric ulcer; tumors of esophagus, stomach and colon; surgery of
arterial occlusion

Department of Anesthesiology and Intensive Therapy

Mihály Boros, M. D., Ph. D., Chairman of Department

Professor: Dr. Boros

Assistant Professors: Dr. Prefort, Dr. Szenohradzski

Staff of 21 members

Teaching: 5th year medical students

Research: Clinical pharmacology and pharmacodynamics of muscle rela-
xants

Division of Cardiac Surgery

Gábor Kovács, M. D., Ph. D., Head of Division

Professors: Dr. Felkai, Dr. Kovács

Assistant Professors: Dr. Fazekas, Dr. Gál

Staff of 8 members

Teaching: 4th year medical students

Research: Heterograft replacement of cardiac valves; intracoronary throm-
bolysis in the treatment of acute myocardial infarction.

Department of Neurological Surgery

Mihály Bodosi, M. D., Ph. D., Chairman of Department

Professor Emeritus: Dr. Fényes

Associate Professor: Dr. Czipott

Assistant Professors: Dr. Dósa, Dr. Dóczi, Dr. Hoffmann, Dr. Huszka,
Dr. Sándor

Staff of 12 members

Teaching: 3rd, 4th and 5th year medical students

Research: Tumors of brain and spinal cord; reanimation after brain inju-
ries; microsurgery and prosthetics

Department of Urology

Sándor Scultéty, M. D., Ph. D., Chairman of Department

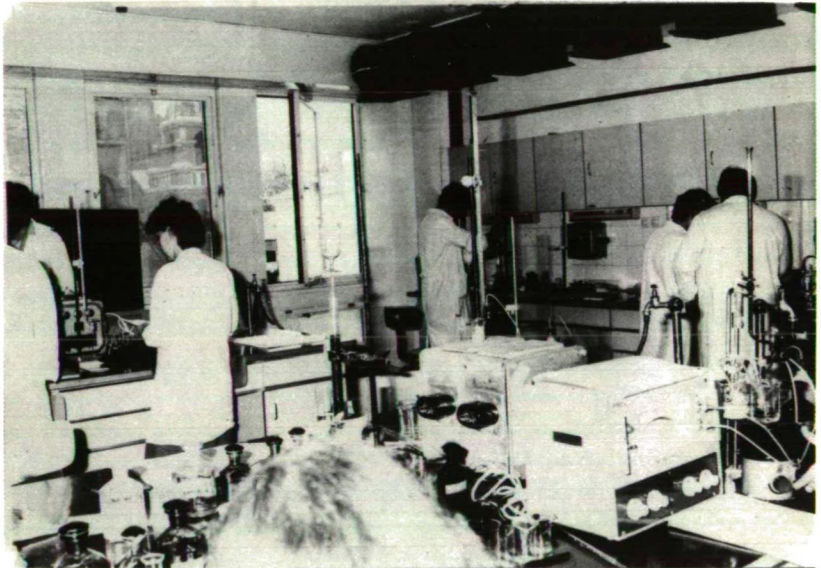
Professor: Dr. Scultéty

Assistant Professors: Dr. Kiss, Dr. Oszlánczi, Dr. Varga

Staff of 4 members

Teaching: 5th years medical students

Chemical laboratory of students.



IV. Departments of the School of Pharmacy

Department of Pharmaceutical Chemistry

Gábor Bernáth, Ph. D., Sc. D., Chairman of Department

Professor: Dr. Bernáth

Professor Emeritus: Dr. Vinkler

Associate Professors: Dr. Klivényi, Dr. Simon, Dr. Stájer, Dr. Szabó

Assistant Professors: Dr. Lázár, Dr. Mód, Dr. Pintye, Dr. Szabó

Staff of 5 members

Teaching: 3rd and 4th year pharmacy students

Research: Synthesis and stereochemistry of heterocyclic compounds

Department of Pharmaceutical Technology

Béla Selmeczi, Ph. D., Chairman of Department

Professor: Dr. Selmeczi

Professor Emeritus: Dr. Kedvessy

Associate Professors: Dr. Erős, Dr. Kata, Dr. Regdon,

Assistant Professors: Dr. Hódi, Dr. Kiss, Dr. Hunyadváry, Dr. Wayer

Staff of 4 members

Teaching: 4th year pharmacy students

Research: Colloidal properties and release of active factors from pharmaceutical preparations. Optimization of pharmaceutical technology.

Department of Pharmacodynamics

Emil Minker, M. D., Ph. D., Chairman of Department

Professors: Dr. Gábor, Dr. Minker

Professor Emeritus: Dr. Dirner

Assistant Professors: Dr. Iván, Dr. Sallai

Staff of 3 members

Teaching: 4th year pharmacy students

Research: Mechanism of action of cholinesterase inhibitors; pharmacology of flavonoids; chemotherapy of pyelonephritis

Department of Pharmacognosy

Kálmán Szendrei, Ph. D., Chairman of Department

Professor: Dr. Szendrei

Associate Professors: Dr. Rózsa, Dr. Tóth

Assistant Professors: Dr. Gellért, Dr. Pápay, Dr. Varga

Staff of 2 members

Teaching: 3rd year pharmacy students

Research: Screening, chemical identification and structural analysis of the active ingredients in herbs and plants used in folk medicine

CALL FOR APPLICATION

Dear Candidate for Admission,

Welcome to join the students and faculty at Szeged University Medical School!

Because...

... you can obtain degrees in Medicine, Dentistry or Pharmacy, and have the additional opportunity of taking part in postgraduate training. The degree will be internationally accepted and respected.

... Szeged University Medical School offers a friendly and cordial atmosphere in a pleasantly sized and located city which can contribute to close, permanent relationships between students and teaching staff.

... the University is located in the cultural, educational, shopping and business center of the city.

.... the teaching staff is knowledgeable and well-grounded in the English language.

... we are experienced in the training of foreign medical students; hundreds of foreign students have graduated from our University in the past two decades.

We hope that this Academic Program provided you with the proper answer to the questions you may have had about Szeged University Medical School and that it furnished you with insight into the advantages of attending medical school in Szeged.

The University Council

EGY, W.

XA 83610

APPLICATION FORM*

- 1. Last name (family name):
- 2. First name: (middle initial)
- 3. Place of birth; year, month, day:
- 4. Nationality:
- 5. Prior or previous education:
 - High school:
 - years: 19..—19..
 - graduation: 19..
 - College:
 - years: 19..—19..
 - graduation: 19..
- 6. Home address:
- 7. Number of passport:

Herewith I am submitting application for enrollment in the
School of Medicine Dentistry Pharmacy

.....
Signature

REPLY CARD

Last name (family name):

First name:(middle initial).

Address:

City.....Country.....Postal (Zip) Code:.....

* Please print or type. Application Forms are also available from the Hungarian Embassy. Please write your name and address on the attached Reply Card and send it back together with the Application Form.

