

# TEN ARGUMENTS IN FAVOR OF AN EDUCATION AT TERNOPIL STATE MEDICAL UNIVERSITY

- 1 TERNOPIL STATE MEDICAL UNIVERSITY HAS AN EXCELLENT REPUTATION. TSMU is one of the top ranking medical universities of Ukraine ρroviding the high-quality educational medical programs that meet international standards. TSMU's research schools are recognized around the world for their achievements in various fields of medicine.
- DIPLOMA FROM TSMU WILL LET YOU BEGIN YOUR CAREER OR CONTINUE YOUR STUDIES IN ANY COUNTRY OF THE WORLD. Ukraine has entered about 30 official intergovernmental agreements on mutual recognition certificates, scientific grades and titles, and about 40 more of such agreements are undergoing the approval process. Ukraine is a member of the Hague Convention Abolishing the Requirement of Legalization for Foreign Public Documents, as well as the Lisbon Recognition Convention on the recognition of qualifications concerning higher education in the European region. Many graduates of TSMU are successfully working in the USA, Canada and European countries.
- TSMU offers you QUALIFICATION ATTAINABLE THROUGH A STUDY MODEL ADOPTED IN MOST COUNTRIES. TSMU has implemented the Bologna reforms. Thus the university has taken the course of implementing the European education standards and integrating into the European education and research community. The European Credit Transfer and Accumulation System and European standard diploma duplicate have been introduced at TSMU.
- The TSMU's INTERNATIONAL PARTNERSHIPS with more than 30 universities in Europe, Asia, the USA and Canada provide an opportunity for direct interface and global academic exchange that enhances students experience to practice in different countries.
- TSMU IS AMONG THE TOP UKRAINIAN UNIVERSITIES IN TERMS OF THE NUMBER OF FOREIGN STUDENTS. Whilst in 2005 there were 460 foreign students at TSMU, this figure almost tripled in the academic year 2012-13, exceeding 1320 students from 62 countries.
- 6 PEOPLE IN TERNOPIL ARE FRIENDLY TO FOREIGNERS. Ternopil is free of any racial, ethnic, or religious conflicts. People here are cordial and hospitable.
- 7 LOW COST OF LIVING. The cost of living in Ternopil is lower than in other cities of Ukraine and much lower compared to the European or American countries.
- THE TUITION FEE at TSMU is far below the level found in the European or American countries.
- TSMU OFFERS DORMITORY ROOMS to all international students as inexpensive lodging for students. You are also free to rent an apartment.
- TERNOPIL IS A VERY BEAUTIFUL CITY. There are plenty of things here to see, learn and have fun. It is a place where you can live with pleasure and peace.

### Rector's message for students



Dear students and future colleagues!

The major objective of our university is to train highly qualified medical professionals. In order to achieve our goals we have all the necessary prerequisites: modern facilities, state-of-the art medical equipment, computers with access to internet and an extensive medical library containing the latest publications.

Our highly qualified staff will teach you to not only become an ordinary doctor but also a doctor with an aim to help people to improve their health, intellect, as well as their thinking and social standards.

Our teachers have vast experience and the passion to deliver their own knowledge to you, which they've earned during their life time practice. They will guide and prepare you for your future. We are the present and the past but you are our future and future of the world. It will be our biggest pleasure when you will make us proud in the global world.

So, join us at Ternopil State Medical University. We'll teach you how to bring happiness to people, how to protect and promote the greatest human treasure — health. We'll do our best to train you as highly qualified medical doctors, nurses, pharmacists and dentists.

I'm sure that it will be a pleasure for you to study at TSMU and you will be proud to graduate from Ternopil State Medical University.

Wish you success and all the best in your future life.

Rector of TSMU,
Corresponding Member of the NAMS of Ukraine,
Professor Leonid Y. Kovalchuk, MD, PhD, DSc

### **Programs Offered & Duration**

### **Medicine:**

MD (MBBS) degree program –
 6 years

### **Dentistry:**

Dentist (BDS) degree program –5 years

### **Pharmacy:**

· Pharmacist (B. Pharmacy) degree program – 5 years

### **Nursing:**

- · ADN (Associate Degree in Nursing) program 2 years
- · BSN (Bachelor of Science in Nursing) program 4 years
- · BSN (Bachelor of Science in Nursing) program – 2 years (for students already having ADN degree)
- MSN (Master of Science in Nursing) program – 2 years (for students having BSN degree)

### **Distance Learning Programs:**

- BSN (Bachelor of Science in Nursing) program – 2 years (for students already having ADN degree)
- · MSN (Master of Science in Nursing) program – 2 years (for students having BSN degree)

### **Post-Graduation Programs:**

- · Internal Diseases
- Neurology
- Pediatrics
- · Family Medicine
- · Emergency Medicine
- · Dermatology
- · Anesthesiology
- · Obstetrics & Gynecology
- · Orthopedic & Trauma Surgery
- · Otolaryngology
- ·Surgery
- ·Oncology
- · Ophthalmology







### **UKRAINE**

Geographically, Ukraine is located in Central-Eastern Europe. This country is Europe's second largest in terms of area and fifth largest in terms of population. The history of Ukraine is similar to other European countries where many different nations populated these countries at different times.

The Trypillya Civilization, the Greeks, the Sarmatians and the Genovese have left their traces on Ukraine's land. The X–XI centuries were the heyday of a powerful eastern Slavic monarchy known as Kyivan-Rus. It had cultural trade and dynastical bonds with the European countries of those times.

A bright page of Ukraine's history is Cossacks Era in XIV-century when it existed as the Hetman Cossacks State. During the turbulent early years of XX-century Ukraine attempted to proclaim its independence but became the part of the USSR. Despite the twists and turns of their history, Ukrainians had always cherished the dream to create a state of their own and that dream came true in 1991.

Since then, the face of cities has changed significantly, while business and culture flourished. A new generation has come of age that does not know the Soviet lifestyle. The system of education has strong basics and is undergoing further major overhaul to prepare young specialists with absolutely different and new outlook on life. In 2005 Ukraine adopted the Bologna education system which already exists in European countries. Ukrainians know how to study and work. They value their history and want to build a beautiful and developed country that would be considered European. Therefore the heartbeat of a new life is heard here everywhere.













### **TERNOPIL**

Ternopil was founded in 1540 as a Polish military stronghold and got city rights in 1548. It is located in the centre of west Ukraine. Ternopil is the administrative centre of Ternopil region. Its area is 72 km<sup>2</sup> with the population of 220 thousand people.

It has the contrast of old and new architecture. City is gifted by nature with its beauty. In the centre of Ternopil the lake made by the flow of Seret River is situated. The parks, forest and playing areas are another feature of its charm.

The land of Ternopil region is fertile where wheat, corn and sugar beets are grown. As well as its industrially rich area consists of food processing industries, textile, synthetic leather production, clothes, electrical parts for machinery and building materials.

Due to its location one can easily travel to all important cities of Ukraine by trains, by road, as well as by air.

The educational infrastructure of Ternopil consists of 4 universities, institutes, colleges and schools. Students are a large part of Ternopil's population. Being a city with smaller area, it attracts a lot of students because the classes are mostly within the walking distances. International student's contribution makes it a city with diverse and mixed cultures. So due to this it is also called «a student's city».

To summarize, it is a place where one can acquire high quality education, enjoy and live with pleasure and peace.

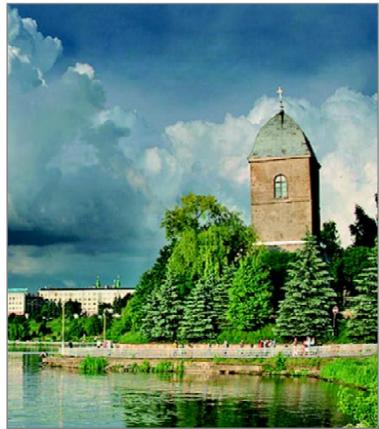














#### TSMU AT A GLANCE

Foundation Year 1957

**Faculty** About 600 faculty members (3 academicians of National Academy of Medical Science of Ukraine, 85 full professors, more than 500 associate professors and assistant professors)

Students About 5000

Foreign Students Over 1300 from 62 countries

**Alumni** More than 20000, over 18000 in Ukraine, nearly 2000 in other countries (USA, Canada, Israel, Germany, Austria, Norway, UK, some Asian and African countries)

**Library Collection** About 600000 volumes **Faculties, Departments, and Institutes** 

TSMU is made up of five faculties, 42 departments and Institute

of Nursing

Hospitals University Hospital, University Dental Center and 15 affiliated regional and municipal teaching hospitals, 4 practical training centers in rural areas

**Recreational Facilities** 

Recreational complex "Chervona Kalyna", sports center

Hostels 4 modern hostels



I. Horbachevsky Ternopil State Medical University is located in the picturesque centre of Ternopil. It's a teaching and research-led university with a proud and rich heritage of academic excellence. The vast wealth of knowledge production lies at the heart of the university's success as one of the top ranking universities of Ukraine.

TSMU is a leading provider of high quality educational medical programs for international students. More than 1300 international students from 62 countries of the world are getting their training at TSMU.

TSMU is listed in WHO (World Health Organization), ECFMG (Educational Commission for Foreign Medical Graduates), IMED-FAIMER (International Medical Education Directory) directories of Medical Schools/Universities.

At TSMU we are passionate about teaching and learning. Our motto: "Every Student Matters", transcends the social, cultural and academic discourse across disciplines. The University encourages and embraces diversity in all facets of student experience. TSMU is structured on faculty basis and contains faculties of undergraduate programs and faculty of postgraduate programs.

The TSMU offers innovative curricula for accredited professional degrees through dynamic teaching and learning. Research activities are conducted in TSMU owned hospital and research centers as well as in the state owned hospitals. In addition, the TSMU offers the opportunity to take part in social, cultural and sporting activities. The University promotes access to learning and aims to provide an enabling environment for its students to ensure individual intellectual development, an awareness of social responsibilities and sound ethical practice in our diverse society.







The university's international partnerships with more than 30 universities and institutes in Europe, Asia, USA and Canada provide an opportunity for direct interface and global academic exchange that enhances student's experience to practice in different countries.

### Honored Professors of TSMU



Professor John Stockwell Chancellor of University of South Carolina Upstate (USA)



Professor Tomas Zima Dean for the First Faculty of Medicine, Charles University in Prague (Czech Republic)



Professor Wolfgang Schutz Rector of Medical University of Vienna (Austria)



Professor Regis Robe Head of International Affairs Department of University of South Carolina Upstate (USA) University of Vienna (Austria)



Professor Ihor Huk Professor of Medical



Professor **Rudolf Mallinger** Vice-rector for Education Affairs of Medical University of Vienna (Austria)



Professor Harald Teufelsbauer Professor of Medical University of Vienna (Austria)



Professor Marek Zietek Rector of Wroclaw Medical University (Poland)



Professor Stanislav Stipek Professor of the First Faculty of Medicine, Charles University in Prague (Czech Republic)



Professor Jan Stencl Rector of Slovak Medical University (Slovak Republic)

#### International Partners of TSMU:

- South Caroline University of Upstate (South Carolina, USA)
- 2. Vienna Medical University (Vienna, Austria)
- Shlon Medical Academy (Katowice, Poland)
- 4. Wroclaw Medical University (Wroclaw, Poland)
- 5. Charles University (Prague, Czech Republic)
- 6. Slovakian Medical University (Bratislava, Slovakia Republic)
- 7. Biochemical Institute of Clemson's University (Greenville, USA)
- 8. College of Lincoln University (Kuala Lumpur, Malaysia)
- 9. Russian National Medical Research University named after M. I. Pirogov (Moscow, Russia)
- 10. Novosibirsk State Medical University (Russia)
- 11. Central Educational-Research Epidemiological Institute of Russian Federation (Moscow, Russia)
- 12. Siberian Camp of Russian Academy of Medical Sciences (Novosibirsk, Russia)

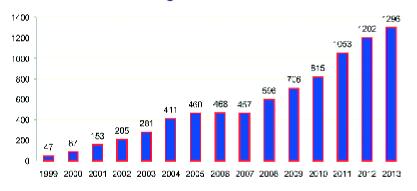
- 13. Medico-Dental University of Moscow (Moscow, Russia)
- 14. Tbilisi State Medical University (Georgia)
- 15 State Medical Academy of Kazakhstan (Astana, Kazakhstan)
- 16. Urganch campus of Tashkent State Medical Academy (Urganch, Uzbekistan)
- 17. National College «Phytila» (Patra, Greece)
- 18. Kirov State Medical Academy (Kirov, Russia)
- 19. Vilnius Centre of Implantation (Vilnius, Lithuania)
- 20. Kazakhstan Academy of Sport and Tourism (Alma-Ata, Kazakhstan)
- 21. Svjatoshynsk Higher School in Kielce (Poland)
- 22. State Medical University of Tajikistan named after Abu Ali Ibn-e-Sino (Dushanbe, Tajikistan)
- 23. Eligere Global Health, LLC (Spartanburg, USA)
- 24. International Career Consulting, Inc. (New York, USA)

### FOREIGN STUDENT'S FACULTY

Foreign Student's Faculty (FSF) of TSMU was founded in 1996. The international activity of FSF is directed to further integration into European and world's medical structures and Educational System. It is intended to study and apply the leading experience in the field of higher medical education, to develop research, to promote TSMU achievements in the world. Factors that favor the growth of foreign student's number are high academic standards of FSF.

The growth of the number of foreign students can be considered as a sign of FSF's brilliant professionalism. As well as it confirms the admiration of educational quality and knowledge delivered to students, in all over the world.

# **Dynamics of Total Enrolment of Foreign Students at TSMU**















Different graduate and post-graduate programs in Medical Sciences are offered for foreign students.

Students have an option of choosing the instruction language for courses of their interests. Currently the courses are offered in English, Ukrainian and Russian languages. About 90 % of foreign students are getting education in English.

Students who wish to receive training in Ukrainian or Russian language can be enrolled in the Preparatory Department. A 10-months preparatory program provides Ukrainian or Russian language courses.











Programs Offered & Their Duration	Degrees (Equivalency)
Medicine – 6 years	MD – Medical Doctor (M.B.B.S)
Dentistry – 5 years	Dentist (B.D.S)
Pharmacy – 5 years	Pharmacist (B. Pharmacy)
Nursing:	
· 2 years nursing program	· ADN (Associate Degree in Nursing)
·4 years Bachelor program	· BSN (Bachelor of Science in Nursing)
·2 years Bachelor program (for students already having ADN degree)	·BSN (Bachelor of Science in Nursing)
·2 years Master program	·MSN (Master of Science in Nursing)
Distance Learning Programs:	
·2 years Bachelor program (for students already having ADN degree)	·BSN (Bachelor of Science in Nursing)
·2 years Master program	·MSN (Master of Science in Nursing)

### CURRICULUM FOR MEDICAL DOCTOR PROGRAM

### Speciality: 7.110101 «General Medicine»

Qualification – General Physician M.D. (equivalent to M.B.B.S)

The duration of study – 6 years

1<sup>st</sup> year of study: 40 weeks

		Cradit			Amour	nt of Hours		
	Subjects	Credit ECTS	Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work
1	Foreign language	6	180	90	0		90	90
2	Latin language and medical terminology	4	120	70	0		70	50
3	Ukrainian language (according to professional requirements)	3	90	40	0	-	40	50
4	History of Ukraine	3	90	40	10	30		50
5	Political science	2	60	30	10	20		30
6	History of medicine	2	60	28	14	14		32
7	History of Ukrainian culture	2	60	40	14	26		20
8	Fundamentals of psychology. Fundamentals of pedagogy	1,5	45	28	14	14		17
9	Medical biology	5,5	165	110	30	-	80	55
10	Medical physics with biophysics	5,5	165	110	30	-	80	55
11	Medical chemistry	4	120	70	20	-	50	50
12	Biological and bio-organic chemistry	2	60	40	10	-	30	20
13	Human anatomy	11	330	220	40	-	180	110
14	Histology, cytology and embryology	5	150	90	20	-	70	60
15	Physical training		160	160	0	-	160	0
16	Elective course: Fundamentals of economics	1,5	45	12	0	12	0	33
17	Elective course: European standard of computer proficiency	1,5	45	18	0	-	18	27
Total for the 1 <sup>st</sup> year 59,5 1945 1196 212 116 86							868	749
	rage number of academic hours per week tive courses: 1. World civilization studies. 2. Country studies. 3. The Europe			29,9				18,7

Elective courses: 1. World civilization studies. 2. Country studies. 3. The European standards of computer literacy. 4. Communicative psychology. 5. Aesthetics. 6. Ethics. 7. Modern problems of molecular biology. 8. Physical training and health.

### 2<sup>nd</sup> year of study: 40 weeks

		Cundit			Amount	t of Hours		
	Subjects	Credit ECTS	Total	Classroom hours	Lectures	Seminars	Practical lessons	Individual student work
1	Foreign language (according to professional requirements)	8	240	100	0	-	100	140
2	Philosophy	3	90	50	20	30	_	40
3	Human anatomy	3,5	105	60	10	_	50	45
4	Histology, cytology and embryology	4,5	135	80	20	_	60	55
5	Physiology	10	300	200	60	_	140	100
6	Bio-organic and biological chemistry	7	210	160	40	_	120	50
7	Microbiology, virology and immunology	6	180	130	40	_	90	50
8	General surgery (with operative surgery and topographical anatomy)	2,5	75	60	20	_	40	15
9	Medical informatics	3,5	105	60	10	_	50	45
10	Patient's care (practice)	5	150	87	0	_	87	63
11	Emergency medicine	2	60	30	0	_	30	30
12	Life safety, principles of labor safety	2	60	20	6	_	14	40
13	Physical training		160	140	0	_	140	20
14	Elective course: European standard of computer proficiency	1,5	45	18	0	_	18	27
15	Elective course: Social disciplines	1,5	45	12	0	12	_	33
Total	for the 2 <sup>na</sup> year	60,0	1950	1195	226	42	939	720
Aver	age number of academic hours per week			29,9				18,0

Elective courses: 1. The European standards of computer literacy 2. Logic, formal logic. 3. Deontology in medicine. 4. Physical training and health. 5. Health protection. 6. Modern problems of biophysics. 7. Foreign language. 8. World civilization studies.

### 3<sup>rd</sup> year of study: 40 weeks

		Credit			Amount of Hou	irs	
	Subjects	ECTS	Total	Classroom hours	Lectures	Practical lessons	Individual student work
1	Microbiology, virology and immunology	2	60	40	10	30	20
2	Pathomorphology	7	210	130	40	90	80
3	Pathophysiology	7	210	130	40	90	80
4	Pharmacology	7	210	130	40	90	80
5	Hygiene and ecology	6	180	120	20	100	60
6	Propedeutics of internal medicine	6,5	195	114	24	90	81
7	Propedeutics of pediatrics	6,5	195	140	40	100	55
8	General surgery (with operative surgery and topographical anatomy)	6,5	195	130	30	100	65
9	Radiology	4	120	80	20	60	40
10	Nurse practice	4	120	80	0	80	40
11	Fundamentals of bioethics and biosafety	1,5	45	30	6	24	15
12	Elective course	2	60	30	0	30	30
Tot	al for the 3 <sup>rd</sup> year	60,0	1800	1154	270	884	646
Ave	erage number of academic hours per week			28,3			16,2

Elective courses: 1. Modern methods of genetic diagnostics. 2. Theory of cognition and medicine. 3. Ethical problems in medicine. 4. Fundamentals of social psychology. 5. Nutrition. 6. Medicines' side effects. 7. Physical training and health. 8. Foreign language. 9. Medicine and artistic culture. 10. Actual problems of physiotherapy, health resort studies and rehabilitation. 11. Combustiology

4<sup>th</sup> year of study: 40 weeks

				-	mount of Ho	urs	
	Subjects	Credit ECTS	Total	Classroom	Lectures	Practical	Individual
			rotai	hours	Lectures	lessons	student work
1	Internal medicine (and endocrinology)	8,5	255	214	50	164	41
2	Tuberculosis	3	90	50	10	40	40
3	Pediatrics	4,5	125	100	20	80	25
4	Surgery	4,5	135	100	20	80	35
5	Obstetrics and gynaecology	3	90	60	20	40	30
6	Social medicine, health care system organisation	3	90	50	20	30	40
7	Biostatistics	1,5	45	30	10	20	15
8	Urology	3	90	50	10	40	40
9	Otolaryngology	3	90	50	10	40	40
10	Ophthalmology	3	90	50	10	40	40
11	Neurology	5,5	165	110	20	90	55
12	Medical psychology	1,5	45	30	10	20	15
13	Psychiatry, narcology	4,5	135	80	20	60	55
14	Dermatology, venereology	3	90	70	20	50	20
15	Physical rehabilitation, sports	2	60	50	10	40	10
16	Forensic medicine, medical legislation	3	90	60	10	50	30
17	Medical science of law	1,5	45	30	10	20	15
18	Civil protection	0,5	15	10	0	10	5
19	Medicine of extraordinary situations	1,6	48	48	12	36	0
20	Elective courses	3	90	74	14	60	16
Total	Total for the 4 <sup>th</sup> year		1883	1316	306	1010	567
Aver	age number of academic hours per week			32,9			14,1
Clinic	ral practice	6	180				

Elective courses: 1. Clinical physiology. 2. Clinical biochemistry. 3. Fundamentals of homeopathy. 4. Phytotherapy. 5. Fundamentals of alcoholism and drug addiction prophylaxis. 6. Fundamentals of psychoanalysis. 7. Physical training and health. 8. Medical subculture. 9. Combustiology.

Clinical practice: 4weeks, 6 credits, 180 hours (auditorium hours and ISW hours are determined by acting regulations about clinical practice) is carried out in

summer time.

5<sup>th</sup> year of study: 40 weeks

		Credit		Α	mount of Ho	ours	
	Subjects	ECTS	Total	Classroom	Lasturas	Practical	Individual
		ECIS	Total	hours	Lectures	lessons	student work
1	Internal medicine	8,5	255	180	30	150	75
2	Infectious diseases	6	180	100	20	80	80
3	Epidemiology	1,5	45	40	20	20	5
4	Professional diseases	2	60	30	6	24	30
5	Oncology	3	90	70	20	50	20
6	Clinical pharmacology	1,5	45	30	0	30	15
7	Pediatrics, pediatric infections	6	180	130	20	110	50
8	Medical genetics	1,5	45	30	10	20	15
9	Social medicine, health care system organization	1,5	45	30	10	20	15
10	Surgery, pediatric surgery	7,5	225	140	20	120	85
11	Traumatology and orthopedics	3	90	60	20	40	30
12	Obstetrics and gynaecology	4,5	135	90	20	70	45
13	Clinical immunology and allergology	2,5	75	50	10	40	25
14	Anesthesiology and intensive care	3	90	70	10	60	20
15	Radiation medicine	1,5	45	30	10	20	15
16	Neurosurgery	1,5	45	30	10	20	15
17	Fundamentals of stomatology	0,75	22	15	0	15	7
18	Dissection course	0,75	23	15	0	15	8
19	Emergensy medical help	1,5	45	0	4	26	15
20	Elective courses	2	60	60	8	52	0
Tota	for the 5 <sup>th</sup> year	60,0	1800	1200	248	982	570
	age number of academic hours per week			30,0			14,3
Clinic	cal practice	6	180				

Elective courses: 1. Blood vessel surgery. 2. Bioethics. 3. Actual questions in rheumatology. 4. Age aspects of pharmacotherapy. 5. Fundamentals of sexology and sexual-pathology. 6. Fundamentals of reflexology (Zone therapy). 7. Fundamentals of gerontology and geriatrics. 8. Instrumental methods of functional diagnostics 9. Actual problems in rheumatology. 10. Actual questions in gastroenterology. 11. Actual questions in pulmonology. 12. Endoscopic technologies in obstetrics and gynaecology. Clinical practice: 4 weeks, 6 credits, 180 hours (auditorium hours and ISW hours are determined by acting regulations about clinical practice) is carried out in summer time.

6<sup>th</sup> year of study: 35 weeks

				Amoun	t of Hours	
	Subjects	Credit ECTS	Total	Classroom	Practical	Individual
			Total	hours	lessons	student work
1	Internal medicine	11,5	345	300	300	45
2	Pediatrics, pediatric infections	7,5	225	130	130	95
3	Surgery, pediatric surgery	9,5	285	159	159	126
4	Obstetrics and gynaecology	7,5	225	110	110	115
5	General practice (family medicine)	3	90	56	56	34
6	Hygiene and ecology	2,25	68	40	40	28
7	Social medicine, organization and economy of health care system	2,25	67	50	50	17
8	Infectious diseases	3	90	70	70	20
9	Oncology	1	30	21	21	9
10	Elective course	5	150	136	136	14
Stat	e attestation	7,5	225	60		165
Tota	I for the 6 <sup>th</sup> year	60,0	1800	1132		668
Avei	rage number of academic hours per week			28,3		16,7

Elective course: 1. Organisational fundamentals of family medicine. 2. Fundamentals of transplantation. 3. Clinical parasitology and tropical medicine. 4. Actual problems of HIV-infection. 5. Management and marketing in health care system. 6. Medicine of emergency conditions. 7. Plastic and reconstructive surgery. 8. Actual questions in cardiosurgery. 9. Palliative surgery. 10. Actual questions in neurosurgery. 11. Actual questions in haematology and transfusiology. 12. Actual questions in cardiology. 13. Actual questions in nephrology. 14. Actual questions of HIV-infection.

### CURRICULUM FOR DENTISTRY PROGRAM:

### Training on specialty 7.110106 «Dentistry»

Qualification – Dentist (Equivalent B.D.S.)

The duration of study – 5 years

1<sup>st</sup> year of study: 40 weeks

					Amou	nt of Hours		
	Subjects	Credit ECTS	Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work
1	Foreign language	6	180	90	0		90	90
2	Latin language and medical terminology	4	120	70	0		70	50
3	Ukrainian language (according to professional requirements)	3	90	40	0	ı	40	50
4	History of Ukraine	3	90	40	10	30		50
5	Political science	2	60	30	10	20	-	30
6	History of medicine	2	60	28	14	14		32
7	History of Ukrainian culture	2	60	40	14	26	-	20
8	Fundamentals of psychology. Fundamentals of pedagogy	1,5	45	28	14	14		17
9	Medical biology	4,5	135	80	10	ı	70	55
10	Medical and bio-physics	4,5	135	80	10	ı	70	55
11	Medical chemistry	3	90	50	10	_	40	40
12	Biological and bio-organic chemistry	2,5	75	50	10	-	40	25
13	Human anatomy	10,5	315	200	20	-	180	95
14	Histology, cytology and embryology	7	210	140	20	-	120	70
15	Principles of personal and social safety; fundamentals of labor protection	2	60	20	6	-	14	40
16	Physical training		160	160	0	-	160	0
17	Elective course: Fundamentals of economics	1	30	12	0	12		18
18	Elective course: European standard of computer proficiency	1	30	18	0	18		12
Total	for the 1 <sup>st</sup> year	60,0	1800+160	1070	148	134	754+160	764
Aver	age number of academic hours per week			26,8				18,3

"I am Elenga Gift Owhondah, a sixth year medical student from Nigeria. My time spent in Ternopil State Medical University has been unequivocally one of the most valuable experiences in my life. TSMU is a place where students choose to sip, drink or soak themselves into knowledge. The academic curriculum is comparable with any standard Medical University. Ternopil is a student friendly city; financially, socially and religiously speaking. I'm glad to be here".



2<sup>nd</sup> year of study: 40 weeks

					Amou	nt of Hours		
	Subjects	Credit ECTS	Total	Classroom hours	Lectures	Seminars	Practical lessons	Individual student work
1	Foreign language (according to professional requirements)	3	90	40	0	-	40	50
2	Philosophy	3	90	50	20	30	-	40
3	Physiology	7	210	140	20	_	120	70
4	Bio-organic and biological chemistry	6.5	195	100	10	_	90	95
5	Microbiology, virology and immunology	6.5	195	110	20	-	90	85
6	General surgery	1,75	53	40	10		30	13
	with operative surgery and topographical anatomy	1.75	52	40	10	_	30	12
7	Medical informatics	3.5	105	60	10	-	50	45
8	Propaedeutics of internal diseases	1.5	45	30	6	-	24	15
9	Hygiene and ecology	3	90	50	10	-	40	40
10	Pathological morphology	2.5	75	50	10	-	40	25
11	Pathological physiology	2.5	75	50	10	-	40	25
12	Pharmacology	3	90	60	10		50	30
13	Propaedeutics of therapeutic dentistry	4.5	135	90	10		80	45
14	Propaedeutics of orthopedic dentistry	4.5	135	80	6		74	55
15	Propaedeutics of pediatric therapeutic dentistry	3.5	105	60	10		50	45
16	Elective course: European standard of computer proficiency	1,5	45	18	0	-	18	27
17	Elective course: Social disciplines science of law	1,5	45	12	0	12		33
18	Physical training		160	120	0	-	120	40
	Total for the 2 <sup>nd</sup> year	60,0	1830+160		172	42	986+120	750+40
19	General practice Patient's care	3.5	105	60			60	45
20	General practice Nurse practice in dentistry	3.5	105	60			60	45
	Total	7	210	120			120	90

"My name is Anna Skwira, I am from Poland. Currently I am a second year student of the General Medicine Faculty. TSMU is a brilliant university with an amazing atmosphere among students. I met many international colleagues almost from all around the world. We discuss and share ours experiences which give me many opportunities and possibilities to avail in the future. Highly educated and skilled staff keep me focused and directed toward medical studies. Thanks to them, I can improve myself in the right direction and discover the medical field with great passion. The university offers us many extracurricular activities which provide us perfect preparation for the medical field. I feel very comfortable and safe in Ternopil. People around are very nice and helpful. We don't feel like foreigners. We can celebrate Polish National Days, Christmas and Easter with great respect which is a great pleasure. I truly believe that the great work and friendly atmosphere at TSMU will be appreciated not only by me but by anyone who is over here".



3<sup>rd</sup> year of study: 39 weeks

					Amo	unt of Hours		
	Subjects		Total	Classroom hours	Lectures	Seminars	Practical lessons	Individual student work
1	Pathological Morphology	3	90	60	10		50	30
2	Pathological Physiology	3	90	60	10		50	30
3	Pharmacology	2.5	75	60	10		50	15
4	Internal Medicine	4.5	135	96	26		70	39
5	Surgery	2.5	75	40	10		30	35
6	Social medicine, organization of health care	1.5	45	30	6		24	15
7	Physical rehabilitation and sports medicine	1.5	45	30	0		30	15
8	Radiology	1.5	45	30	6		24	15
9	Forensic medicine (dentistry)	1.25	38	30	0		30	8
10	Medical science of law	1.5	45	20	10		10	25
11	Sectional course	0.75	22	14	0		14	8
12	Prophylactic of dental diseases	4.5	135	90	20		70	45
13	Therapeutic stomatology	9	270	180	30		150	90
14	Surgical stomatology	7.5	225	160	20		140	65
15	Orthopedic stomatology	7.5	225	160	18		142	65
16	Orthodontics	4	120	80	10		70	40
17	Fundamentals of bioethics and biological safety	1.5	45	30	6		24	15
18	Elective course: Clinical and laboratory diagnostic	1.3	38	30			30	18
19	Elective course: Ethical problems in medicine	0.7	21				21	
	Total for the 3 <sup>rd</sup> year	55,5	1785		192		1008	585
Medi	cal Practice	7	210					

"I am Abbas Saaed, citizen of the Republic of Iraq and 5<sup>th</sup> year medical student of Ternopil State Medical University. At Ternopil State Medical University, there is an effective practical approach to the study of medicine with well trained doctors and health care professionals poised to guide students, a very sublime and serene climate, a versatile social community that fosters religious freedom and cultural interaction among students. At Ternopil State Medical University there are students from different countries, and a rich recreational facility which makes sports fun, and available to enrich the student life. Indeed my study here is a major step in the direction of fulfilling my dreams of becoming a professional medical doctor".



## 4<sup>th</sup> year of study: 34 weeks

		Credit			Amou	nt of Hours		
	Subjects	ECTS	Total	Classroom hours	Lectures	Seminars	Practical lessons	Individual student work
1	Internal medicine	4	120	90	20		70	30
2	Surgery	3	90	70	10		60	20
3	Tuberculosis	2	60	20	10		30	20
4	Pediatrics	1.5	45	30	6		24	15
5	Obstetrics	1.5	45	30	6		24	15
6	Otorhinolaryngology	2.25	68	46	10		36	22
7	Ophthalmology	1.5	45	36	6		30	9
8	Neurology, neurodentistry	1.5	45	30	10		30	5
9	Dermatology, venereology	1.5	45	30	10		30	5
10	Psychiatry, narcology	1.5	45	30	6		34	5
11	Oncology	1	30	20	4		16	10
12	Medical psychology	1.5	45	30			30	15
13	Infectious diseases	2	60	40	10		30	20
14	Epidemiology	0.75	22	14			14	8
15	Clinical pharmacology	1.5	45	30			30	15
16	Neurosurgery	1	30	20	4		16	10
17	Emergency medicine	2	60	30			30	30
18	Therapeutic stomatology	6	180	120	10		110	60
19	Surgical stomatology	5.5	165	100	10		90	65
20	Orthopedic stomatology	5.5	165	100	10		100	55
21	Pediatric therapeutic stomatology	4.5	135	90	10		80	45
22	Pediatric surgical stomatology	3.5	105	70	10		60	35
23	Orthodontics	3	90	50	10		40	40
24	Elective course: Modern diagnostics of tempano-mandible joint and salivary glands	1.56	46	30			30	16
25	Elective course: Fundamentals of religious ethics	0.44	14	14			14	
	Total for the 4 <sup>th</sup> year	60,0	1800		172		1044	584
Medic	cal Practice	12	360					

5<sup>th</sup> year of study: 33 weeks

				Amour	nt of Hours		
	Subjects	Total	Classroom hours	Lectures	Seminars	Practical lessons	Individual student work
1	Therapeutic dentistry	216		18		112	86
2	Surgical stomatology and facial-mandible surgery	216		18		90	108
3	Orthopedic stomatology including implantology	189 (27)		18 (4)		108 (14)	63 (9)
4	Pediatric therapeutic stomatology	108		18		54	36
5	Pediatric surgical stomatology	54		8		28	18
6	Orthodontics	54		8		28	18
7	Economics of health care. marketing and management in dentistry	27		18			9
8	Elective course: Reflexotherapy in dentistry	54		6		30	18
Pediat	ric dentistry practice	162				108	
9	Therapeutic dentistry	216				120	96
10	Surgical stomatology and facial-mandible surgery	216				120	96
11	Orthopedic stomatology Including Implantology	189 (27)				120 (18)	96 (6)
12	Pediatric therapeutic stomatology	108				72	36
13	Pediatric surgical stomatology	54				36	18
14	Orthodontics	54				36	18
	Total	864				504	360
State	exams: 1. Pediatric stomatology. 2. Orthopedic stomatology. 3. Therapeu	itic stomatolo	gy. 4. Surgical	stomatology	•		

### **CURRICULUM FOR PHARMACY PROGRAM:**

### Training on speciality 7.110201 «Pharmacy»

Qualification – Pharmacist (Equivalent B. Pharmacy)
The duration of study – 5 years

1<sup>st</sup> year of study: 40 weeks

		Credit	Amount of Hours						
	Subjects		Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work	
1	Ukrainian language (according to professional requirements)	3	108	40			40	68	
2	Foreign language	5	180	80			80	100	
3	History of Ukraine	3	108	40	10	30		68	
4	History of Ukrainian culture	2	72	40	14	26		32	
5	Latin language	4.5	162	80			80	82	
6	Normal physiology	4	144	80	20		60	64	
7	Human anatomy	3.5	126	60	20		40	66	
8	Biology with the basis of genetics	3	108	60	20		40	48	
9	Biological physics	4.5	162	80	20		60	82	
10	Higher mathematics	4.5	162	80	20		60	82	
11	History of medicine and pharmacy	1.5	54	20	16		4	34	
12	Informational technologies in pharmacy	3	108	60	10		50	48	
13	Inorganic chemistry	8.5	306	200	40		160	106	
14	Fundamentals of ecology	1.5	54	20	10		10	34	
15	Principles of personal and social safety; fundamentals of labor protection	2	72	30	10		20	42	
16	Propaedeutic practice in organization and economics of pharmacy	2	72	30	10		20	42	
17	Propaedeutic practice in pharmacy drug technology	2	72	30	10		20	42	
18	Elective course: Pharmaceutical aspects of alcoholism, drug addiction and toxicomania	1	36	24	6		18	12	
19	Elective course: Ukrainian language for foreign students	1	36	18			18	18	
20	Elective course: European standard of computer proficiency	1	36	18			18	18	
21	Physical training		160	120	0	ı	120	40	
Tota	ol for the 1 <sup>st</sup> year	60,0	2320	1221	216	56	950	1134	



# 2<sup>nd</sup> year of study: 40 weeks

	Subjects		Amount of Hours							
			Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work		
1	Foreign language (according to professional requirements)	3	108	40			40	68		
2	Philosophy	3	108	50	20	30		58		
3	Analytical chemistry	9,0	324	180	30		150	144		
4	Organic chemistry	9,0	324	180	30		150	144		
5	Physical and colloid chemistry	3	108	60	20		40	48		
6	Informational technologies in pharmacy	2.5	90	50	10		40	40		
7	Pharmaceutical botany	7	252	110	20		90	142		
8	Microbiology with the basis of immunology	4	144	60	10		50	84		
9	Pathological physiology	6	216	100	20		80	116		
10	Physical methods of analysis and metrology	1.5	54	30	10		20	24		
11	First premedical aid	3	108	50	10		40	58		
12	Field practice in pharmaceutical botany	3	108	72			72	36		
13	Intoductory medical practice	2	72	54			54	18		
14	Elective course: Fundamentals of chemical metrology	2	72	30	6		24	42		
15	Elective course: Social science. science of law.	2	72	30	6	24		42		
16	Physical training		160	120	0	-	120	40		
Tota	l for the 2 <sup>nd</sup> year	60	2320	1216	192	54	970	1104		

# 3<sup>rd</sup> year of study: 40 weeks

Subjects		Credit	Amount of Hours						
		ECTS	Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work	
1	Pharmaceutical drug techonology	9	324	200	40		160	124	
2	Physical and colloid chemistry	2.5	90	60	20		40	30	
3	Biological chemistry	6	216	120	40		80	96	
4	Pharmaceutical chemistry	7.5	270	150	30		120	120	
5	Microbiology with the basis of immunology	2.5	90	40	10		30	50	
6	Pharmacognosy	9	324	200	40		160	124	
7	Ethics and deontology in pharmacy	1.5	54	20	10		10	34	
8	Hygiene in pharmacy	2.5	90	50	10		40	40	
9	Pharmacology	9.5	342	200	40		160	140	
10	Medicine of extraordinary situations	1.5	54	20	0		20	34	
11	Practice of pharmacognosy	3	108	72			72	36	
12	Elective course: Factors and mechanisms of pharmacological activity and toxicity of drugs	2	72	28	4		24	44	
13	Elective course: Sorbents of medical purpose	2	72	30	6	24		42	
Total	Total for the 3 <sup>rd</sup> year		2106	1190				914	
Cours	Course Papers								
1	Pharmaceutical drug techonology	After 6 <sup>th</sup> s							
2	Pharmacognosy	After 6 <sup>th</sup> semester							

4<sup>th</sup> year of study: 40 weeks

		Credit	Amount of Hours						
	Subjects		Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work	
1	Pharmaceutical chemistry	7	252	150	30		120	102	
2	Pharmacology	4.5	162	110	20		90	52	
3	Clinical pharmacy	4.5	162	106	26		80	62	
4	Industrial technology of drugs	6	216	120	40		80	96	
5	Management and marketing in pharmacy	5.5	198	100	20		80	98	
6	Organization and economics in pharmacy	3.5	126	80	10		70	46	
7	Medical and pharmaceutical science of commodities	3	108	60	26		34	48	
8	Toxicological chemistry	2	72	40	10		30	32	
9	Pharmacotherapy with basis of pharmaceutical kinetics	3	108	50	10		40	58	
10	Computer technologies in pharmacy	3	108	50	6		44	58	
11	Laboratory diagnostics	3	108	50	10		40	58	
12	Civil protection	0.5	18	15	10		5	3	
13	Fundamentals of bioethics and biosafety	1.5	54	30	10		20	24	
14	Pharmaceutical economics	2	72	30	0		30	42	
15	Pharmaceutical drug technology practice	4.5	162	108			108	54	
16	Practice in drug technologies of industrial manufacture	1.5	54	36			36	18	
17	Elective course: Peculiarities of external economic activities of enterprises	2	72	30	6		24	42	
18	Elective course: Theoretical fundamentals of synthesis and relationship between molecular structure and pharmacodynamics of drugs	2	72	30	6	24		42	
Tota	al for the 4 <sup>th</sup> year	57,5	2070	1190		24		878	
Cou	Course Papers								
1	Computer technologies in pharmacy	After 7 <sup>th</sup> semester							
2	Industrial technology of drugs	After 8 <sup>th</sup> semester							
3	Pharmaceutical chemistry	After 8 <sup>th</sup>	semester						



"I'm from Pakistan, my name is Zeeshan Ali. I am studying Dentistry at TSMU and I feel honored to be a part of this University. Here the teachers of all the faculties are highly qualified, helpful and cooperative. I did my best in everything what I tried and I found my connection between effort and reward. I believe in learning a great deal from the person we encounter just as much as reading books and that is why I came to this University. The individuals of

this University have done their job exceptionally well by creating a space for students from Latin America to Africa and from Asia to Europe to come together so that we can share out experiences and learn from each other".

"My name is Taras Halan and I'm from New York. I have applied to study at Ternopil State Medical University because the curriculum provides precisely what is needed for the USMLE preparation. The university works quite hard so that each student can excel in his/her licensing exam. The quaint town of Ternopil coupled with a dynamic study system makes for the perfect learning environment. Another major privilege of TDMU is the



student's ability to work very closely with patients during class hours. This kind of hands-on clinical experience is exceptionally difficult to find for a medical student".

# 5<sup>th</sup> year of study: 40 weeks

		Amount of Hours							
	Subjects	Total	Classroom hours	Lectures	Seminars	Practical classes	Individual student work		
1	Biopharmacy	54	24	6		18	30		
2	Occupational safety in pharmaceutical industry	36	12	8		4	24		
3	Management and marketing in pharmacy	126	72	18		54	36		
4	Science of theory and practice of patenting and protection of author's right	54	24	18		6	30		
5	Clinical pharmacy	162	108	28		80	54		
6	Pharmaceutical legislation	90	48	12		36	42		
7	Toxicological chemistry	144	60	10		50	84		
8	Resources studies	72	48	12		36	24		
9	Pharmaceutical production standardization	72	48	12		36	24		
10	Medical and pharmaceutical science of commodities	72	48	12		36	24		
11	Technology of medical cosmetic remedies	90	48	12		36	24		
12	Regular pharmaceutical internship	108	48	12		36	60		
13	Elective courses:  - technology of homoeopathic pharmaceutical drugs;  - medical plants and physiotherapy;  - usage of pharmaceutical drugs in clinical medicine;  - organization and regulation of company activity in pharmaceutical field;  - control of pharmaceutical drugs and food additive quality	216	120	12		108	96		
	Practice								
1	Practice in clinical pharmacy	54	36			36	18		
2	Practice in pharmaceutical analysis	162	108			108	54		
3	Manufacturing practice in organization and economics in pharmacy	162	108			108	54		
4	Manufacturing practice in management and marketing in pharmacy	108	72			72	36		
5	Manufacturing practice in specialization	54	36			36	18		
State	Examinations: 1. Pharmaceutical chemistry. 2. Pharmacognosy. 3. Drug technol	logy. 4. Clini	cal pharmacy.	5. Managen	nent and eco	nomics in pha	rmacy		
Tota	l for the 5 <sup>th</sup> year	1836	1068	160		896	732		
Cour	se Papers								
1	Clinical pharmacy	After 10 <sup>th</sup> s							
2	Fundamentals of economics in pharmacy	After 10 <sup>th</sup> semester							
3	Management and marketing in pharmacy	After 10 <sup>th</sup> s	semester						





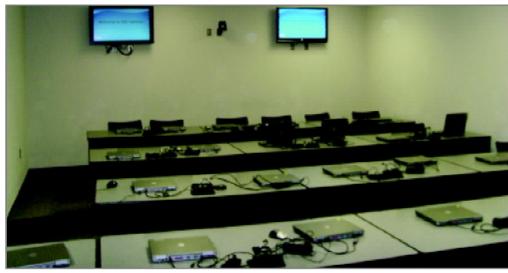




### DISTANCE LEARNING PROGRAMS FOR NURSING

Distance learning is the next generation of medical education. TSMU introduced Distance Learning Programs in Ukraine and we are the only university offering the Bachelor of Science in Nursing (BSN) and the Master of Science in Nursing (MSN) through Distance Learning Programs.

Distance Learning programs are very convenient as students can acquire their qualification and degree without living in a foreign country while maintaining their employment at the same time in their home countries.











Distance learning is flexible as students personally choose the time to study, either during daytime or in the evening. Our distance learning programs are designed to work within the busy schedules of professional nurses.

The BSN program provides a foundation for professional practice and for further education;

MSN program provides nursing qualification for advanced practice or employment as a clinical leader or teacher.

"Our names are Niyati Thaker and Priyanka Tyagi. We are from India. We are the first year medical students from Ternopil State Medical University (Ukraine). We came to this university for our medical studies, and realized it's the best university to graduate from. Everything from the campus to the professors is excellent. Professors are helpful, highly qualified, and supportive; they have fantastic practical approach to the studies. This university has done its job exceptionally well by creating a space for students from various countries. It helps us to get along with other international students, know them, know their culture, and have a spectacular experience with them. Ternopil is a beautiful city with friendly people. TSMU provides perfect learning environment, which keeps us focused towards our goal. We feel honored and privileged to be a part of this university, not only we but whoever comes to this university would be privileged".



In July 2011 the first batch of our distance learning program students obtained their degrees.

Since then over 120 students from the USA and Canada which were studing using this educational program successfully graduated and received their BSN Degree.

Diplomas of all those graduates were recognized by accreditation agencies – members of AMCES (National Association of Credential Evaluation Services) and accepted by hospitals in the USA and Canada.



"I'm Lilliane Kahuika from Namibia, currently a final year medical student at the I. Ya. Horbachevsky Ternopil State Medical University. This university is prestigious, among others in Ukraine. The teaching staff is highly qualified in their respective fields. I simply love the university's online educational website: it contains a wealth of lectures, study material and provides online tests. TSMU has a reputation of offering English as a medium of instruction for over a decade, making it a foreign students magnet. Ternopil itself, is a beautiful city and is well known for its student friendly atmosphere. The city is buzzing with thousands of students of different nationalities, which gives me an opportunity to meet people from all around the world, with diverse backgrounds and cultures. Ternopil is relatively small and due to the lower cost of living making it an excellent student's destination. I would definitely recommend anyone who intends to study medical related fields to enroll at TSMU".



#### HOW TO APPLY

The best way to apply for admission is by using TSMU official website: http://www.tdmu.edu.te.ua (link <Admission information for foreign students>), where one can download the application form. Fill the application form and, along with a copy of high (secondary) school certificate (or its equivalency) and a copy of the first page of international passport, send it to admission office either by email or by courier.

Postal Address: Ternopil State Medical University

Dean's office for foreign students

Str. Maydan Voli 1 Ternopil – 46000

Ukraine

E-mail: dean@tdmu.edu.te.ua

Candidate's documents will be checked and if a positive decision is made the candidate will be contacted by our admission officer as soon as possible. After that the university will issue an official invitation letter. On receiving the invitation letter for study the candidate has to apply to get student visa. Candidate should consult with embassy for visa requirements before applying for visa.

Candidates should inform the Dean's office of TSMU about their departure and arrival date, time and place, so TSMU will be able to arrange pick up of candidate at the airport.

Upon arriving to the university, the following documents are compulsory in order to be enrolled:

- o Application form for enrollment (available at www.tdmu.edu.te.ua)
- o Original invitation letter for study
- o High (Secondary) school certificate (original or notarized copy)
- o Birth certificate (original or notarized copy)
- o Health certificate (original)
- o HIV-Test certificate (original)
- o Photographs 12, Size  $3 \text{ cm} \times 4 \text{ cm}$
- o International passport

Dr. Loai Yousif Elamin (Sudan) "I graduated from Ternopil State Medical University in 2009 with MD degree and in 2010 I started my 3 years specialization in General Pediatrics. Doing my post graduation training within TSMU has enabled me to build strong foundations for both my personal and professional development as a doctor. The University's first class facilities and relationships with international collaborators provide outstanding research and training opportunities, as well as structured and supportive learning environment. The strong links between the University and the Hospital ensured an excellent and highly integrated academic experience, which has provided me with the knowledge and skills required for a career in medicine".



### HOW TO GET TO TERNOPIL

The nearest international airport to Ternopil is «Lviv International Airport».

If there are no flights available to Lviv from one's home country, then candidate can get to Ternopil through «Borispol International Airport» in Kyiv.

From both cities students can transit to Ternopil by railway and buses.

The railway transport system is the best way of transportation in Ukraine. It is also cheap and comfortable way of traveling.







"My name is Sinmaz Tuncay and I am from Turkey. I am studying dentistry at Ternopil State Medical University. At the heart of TSMU campus is a welcoming academic community. I believe there is no better way to learn about the world than to create an environment where students of diverse backgrounds and perspectives — literally students from all over the globe — study, live, learn, and socialize together. Such preparation enables TSMU students to graduate well-educated and prepared to take on the complex challenges of today's interconnected, global workplace".



# STUDENT'S LIFE AT TERNOPIL STATE MEDICAL UNIVERSITY

#### **Accommodation**

Students are given accommodation in the hostels of University. The rooms are for 2 and 3 students. All rooms are furnished with necessities for living. The accommodation fee includes the use of library, gym, laundry and Internet facilities.

There is free internet access on the first floor of the foreign students' hostel. Also the facility is available to get internet line to student's room.

Students are actively participating in sports and cultural programs of Ternopil State Medical University, as well as in the contests which are taking place in Ternopil and other cities in Ukraine.





















