

STRY OF HEALTH OF UKRAINE

**IVANO-FRANKIVSK
NATIONAL MEDICAL UNIVERSITY**



**EUROPEAN CREDIT TRANSFER SYSTEM
ECTS – INFORMATION PACKAGE**

Ivano-Frankivsk 2019

INTRODUCTION

This information package provides general information about Ivano-Frankivsk National Medical University (IFNMU) and its faculties - Faculty of Medicine, Faculty of Dentistry, Faculty of Pharmacy and Foreign Citizens Training Faculty. The package is intended to assist students wishing to study at the university, administrators and teachers working to improve the content and organization of the educational process. The information package is focused on the use of the European Credit Transfer System (ECTS).

What is a credit system?

A credit system is a systematic way of describing an educational program by assigning credits to each of its components. The definition of credits in the higher education system can be based on various parameters, such as the type of student workload, learning outcomes, and the amount of auditorium workload.

What is ECTS?

The European Credit Transfer System (ECTS) is a system created for the benefit of students and is based on determining the student workload required to achieve the program objectives. It is necessary to clarify these goals, namely the learning outcomes and skills acquired.

How was ECTS developed?

ECTS was developed in 1989 as part of the Erasmus program, now part of the Socrates program. ECTS is the only successfully tested credit system used across Europe.

Initially, ECTS was intended only for credit transfer. The system facilitated the crediting of education acquired abroad and thus increased the quality and number of mobile students in Europe. Recently, ECTS has been transformed into an accumulation system that is being implemented across Europe at the institutional, regional and national levels. This is one of the key goals of the Bologna Declaration of 1999.

Why do we need ECTS?

ECTS makes it easier for all students (domestic and international) to understand and compare curricula. ECTS stimulates mobility and academic recognition. It helps universities to organize and review their curricula. ECTS can be used for different programs and forms of education. This system makes higher education in Europe more attractive for students from other continents.

What are the main features of ECTS?

- ECTS is based on the agreement that 60 credits constitute the workload of a full-time student during an academic year. In most cases, the workload of a full-time student in Europe is 36/40 weeks per year, and in these cases, one credit equals 24-30 working hours. The workload refers to the approximate time it takes an average student to achieve the required learning outcomes.

- Credit is also a way to convert learning outcomes into quantitative ratio. The latter are a set of skills that mean what a student should know, understand and be able to do after completing a course of study, regardless of its duration. ECTS credits can be obtained only after completion of the required work and appropriate assessment of the achieved learning outcomes.

- The distribution of ECTS credits is based on the official cycle length of the study program. The total workload required for a bachelor's degree, which requires 3-4 years of study, is 180-240 credits.

- The student workload in ECTS includes time spent listening to lectures, seminars, self-study, preparing and passing exams, etc.

Credits are allocated to all educational components of the study program (modules, disciplines, practice, coursework, etc.) and reflect the amount of work required to complete each component in relation to the total amount of work required to complete a full year of study in this program.

- Student success is characterized by local/national grades. Additional ECTS grades are desirable, especially in the case of credit transfer. The ECTS grading scale ranks students on a statistical basis. The distribution of grades among students who received a grade higher than

unsatisfactory in a course is as follows:

- A** - the top 10 %;
- B** - the next 25%;
- C** - the next 30%;
- D** - the next 25%;
- E** - the next 10%.

For unsuccessful students, FX and F grades are assigned. There is a difference between them, which is that FX means: “did not do some of the work necessary to obtain a grade above unsatisfactory”, and F: “did not do all the work required”. The inclusion of FX and F grades in the grade transcript is optional.

What documents are essential for ECTS?

- **The current Information Package** / Catalog of Disciplines of the educational institution in two languages (or only in English for programs taught in this language) is posted on the Internet and/or published in hard copy in one booklet or more booklets. The Information Package / Catalog of Disciplines must contain a document that allows international students to obtain information of interest.

- **The Learning Agreement** containing the list of disciplines that student will study is agreed with the responsible department of the educational institution where the student will be studying. If there is a need for credit transfer, the Learning Agreement must be agreed between the student, the old and new institutions before the student leaves for the new institution, and updated as changes occur.

- **The transcript of grades (Academic transcript)** reflects the student's academic success , showing the list of subjects studied, credits obtained, and local grades (possibly ECTS grades). If there is a need for credit transfer, transcripts of grades are issued before departure to the departing student by his/her educational institution, and by another institution to the incoming student at the end of his/her period of study.

How to get ECTS accreditation?

- **ECTS accreditation** (awarding of the label) is carried out in relation to educational institutions that have correctly completed the application for all programs of the first and second cycles. This accreditation will increase the rating of the higher educational institution as a reliable partner in the framework of European and international cooperation.

- **The accreditation criteria** will be: an **Information package** (online copy or hard copy in the form of one or more booklets) in two languages (or English only for programs taught in that language), **the use of ECTS credits**, samples of **Learning Agreements**, **Transcript of Grades** and **evidence of high-level accreditation**.

- The application deadline is November 1 each year. The accreditation will be valid for three academic years. The list of ECTS-accredited educational institutions is published on the Europa website.

Додаткова інформація щодо ECTS

- The list of ECTS/DS Counsellors <http://europa.eu>

Guidance on how to make a good Information Package/Course Catalogue http://europa.eu.int/comm/education/programmes/socrates/ectsguidance_en.doc

A. Name and address

Ivano-Frankivsk National Medical University.

Address:

2, Halytska St., Ivano-Frankivsk, 76018, Ukraine

e-mail: ifnmu@ifnmu.edu.ua

Rector of Ivano-Frankivsk National Medical University - Doctor of Medical Sciences, Professor, Corresponding Member of the National Academy of Medical Sciences of Ukraine, Honored Science and Technology Figure of Ukraine, Head of the Department of Dentistry **Mykola Rozhko**.

First Vice-Rector - Doctor of Biological Sciences, Professor, Head of the Department of Biological and Medical Chemistry named after academician H. O. Babenko **Hanna Ersteniuk**.

Vice-Rector for Research - Doctor of Medical Sciences, Head of the Department of Internal Medicine No. 2 and Nursing, Professor **Ihor Vakaliuk**.

Vice-Rector for Scientific-Pedagogical and Clinical Work Candidate of Medical Sciences (Ph. D.), Docent of the Department of Surgery No. 1 **Volodymyr Fedorchenko**.

Deputy Rector for Educational Work - Candidate of Medical Sciences (Ph. D.), Docent of the Department of Internal Medicine No. 2 and Nursing **Ihor Vandzhura**.

Vice-Rector for Scientific-Pedagogical Work (International Relations) Candidate of Medical Sciences (Ph. D.), Docent of the Department of Neurology and Neurosurgery **Serhii Kobets**.

Chief of the Educational Department – **Mykola Ivantsiv**.

Chief of the ECTS University Department – Candidate of Medical Sciences (Ph. D.), Docent of the Department of Otolaryngology with The Course of Head and Neck Surgery **Vasyl Kapechuk**.

Dean of Faculty of Medicine – Doctor of Medical Sciences, Professor, Honored Doctor of Ukraine, Head of the Department of Internal Medicine No. 1 named after academician Ye. M. Neiko **Roman Yatsyshyn**.

Dean of the Foreign Citizens Training Department - Candidate of Medical Sciences (Ph. D.), Docent of the Department of Urology **Dmytro Solomchak**.

Dean of the Faculty of Dentistry - Candidate of Medical Sciences (Ph. D.), Docent of Department of the Dentistry of Postgraduate Education **Oleksandr Buherchuk**.

Dean of Faculty of Pharmacy - Doctor of Medical Sciences, Professor, Head of the Department of Medical Informatics, Medical and Biological Physics **Mykola Moiseienko**.

Contact information:

Phone/Fax: +3803422-2-42-95 - Rector's office

Phone: +380342-75-06-58 – Academic Department

Phone/Fax: +3803422-3-01-87 – the ECTS University Department

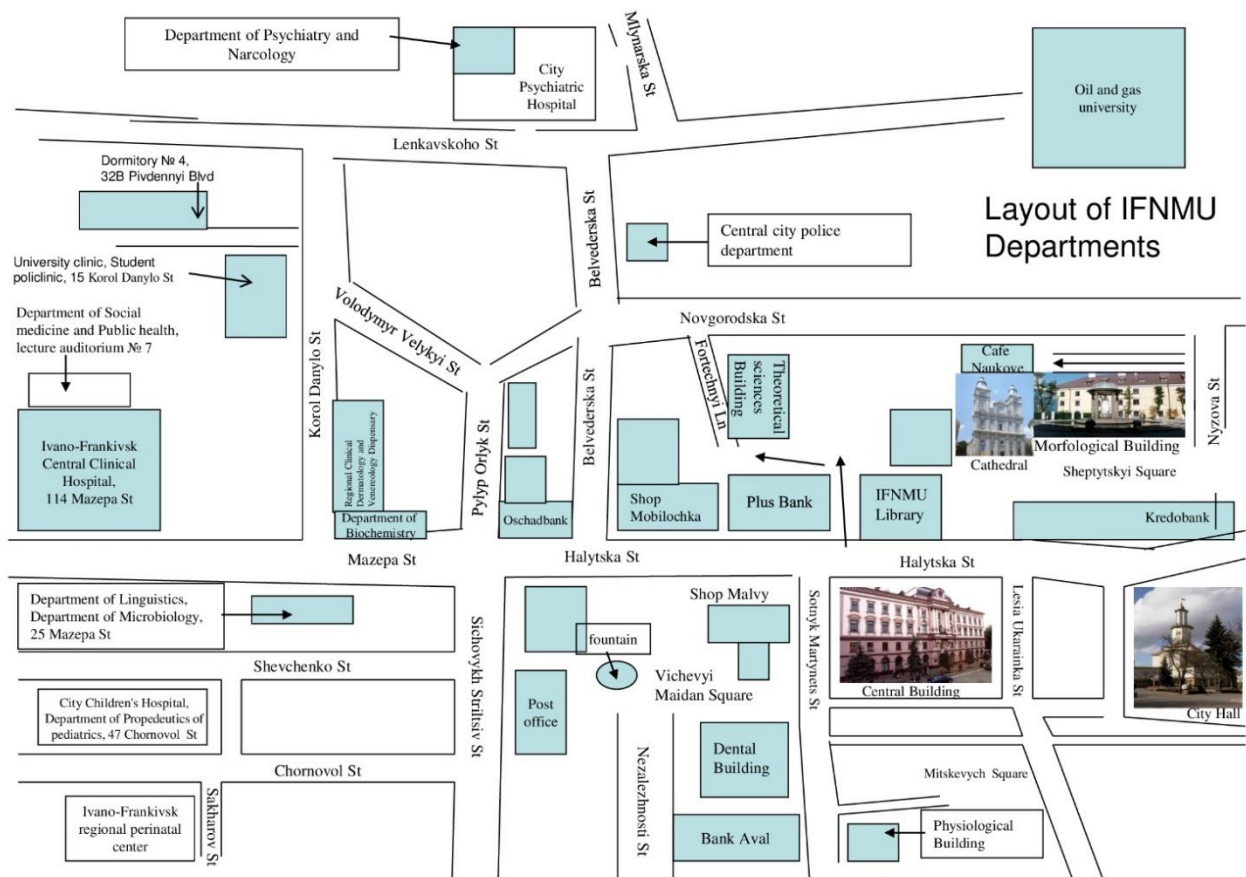
Phone: +3803422-2-25-72 - Dean's Office of the Faculty of Medicine

Phone/Fax: +3803422-2-48-44 - Dean's Office of the Foreign Citizens Training Faculty

Phone: +3803422-3-10-50 – Dean's Office of the Faculty of Dentistry

Phone: +380342-78-83-91 - Dean's Office of the Faculty of Pharmacy

Phone: +380342-75-03-25 – Admission office



Explanation of the layout of the departments of IFNMU

Central Building - Rector's Office; Dean's Office of the Faculty of Medicine; Dean's Office of the Foreign Citizens Training Faculty; Dean's Office of the Faculty of Dentistry; Dean's Office of Faculty of Postgraduate Study; Preparatory Department for foreign citizens; Admission office; Lecture auditorium No.2; Department of Ukrainian Studies and Philosophy (Cultural Studies, Basics of Economic Theories, Sociology, Ethics, Aesthetics, Local History, Philosophy, History of Ukraine, History of Ukrainian Culture); Department of Emergency Medical Care and Disaster Medicine (Lecture auditorium No.14); Accounting Department; Students Trade Union; Cafeteria.

Morfological Building – Lecture auditorium No.5; Department of Human Anatomy; Department of Medical Biology; Department of Histology and Cytology; Department of Topographic Anatomy and Operative Surgery; Department of Forensic Medicine and Medical Legislation; Cafeteria.

Dental Building – Lecture auditorium No.13; Departments of Therapeutic, Surgical, Orthopedic, Children's Dentistry, Dentistry of Postgraduate Education, Cafe "Academy".

Physiological Building - Lecture Auditorium No.3; Department of Physiology; Department of Pathophysiology; Student Cafe.

Theoretical Sciences Building – Department of Medical Informatics, Medical and Biological Physics (Medical Physics, European Standard of Computer Literacy); Department of Pharmacology.

Department of Linguistics (Business Ukrainian, Latin, Foreign Languages); Department of Microbiology.

City Psychiatric Hospital - Department of Psychiatry and Narcology, Lecture auditorium No.11, (Basics of Psychology, Basics of Pedagogy, Communication Psychology, Psychiatry and Narcology, Medical Psychology).

City Central Clinical Hospital - Department of Social Medicine and Public Health, Lecture auditorium No.7, (History of Medicine, Social Medicine and Public Care, Biostatistics).

City Children's Hospital - Department of Propedeutics of Pediatrics, Lecture auditorium No.12.

Department of Biological and Medical Chemistry (Medical, Inorganic, Bioinorganic and Physical Chemistry), Cafeteria.

University clinic; (Clinical Medicine Center, Diagnostic and Consulting Center, Student Polyclinic, Cafeteria.

D. General description of the institution

Ivano-Frankivsk National Medical University (in 1945 - Stanislavsky State Medical Institute, since 1963 - Ivano-Frankivsk State Medical Institute, since 1994 - Ivano-Frankivsk State Medical Academy, since 2005 - State Institution of Higher Educational "Ivano-Frankivsk State Medical University", which was granted the status of National by the Decree of the President of Ukraine No. 1096/2008 of 27.11.2008, was founded on October 7, 1945, on the basis of the 2nd Kharkiv Medical Institute after its relocation to Ivano-Frankivsk (formerly Stanislaviv) to meet the extremely acute need for medical personnel in Stanislaviv and neighboring regions.

The university operates on the basis of state ownership and is subordinated to the Ministry of Health of Ukraine. For more than 65 years of its existence, Ivano-Frankivsk National Medical University has graduated more than 23 thousand doctors.

In accordance with the decision of the State Accreditation Commission of June 04, 2009, protocol No. 78, Ivano-Frankivsk National Medical University is recognized as accredited at the IV level of accreditation.

At present, the university has 4 Faculties (Medical, Dental, Pharmaceutical, and Foreign Citizens' Training), an Educational and Research Institute of Postgraduate Education, a Preparatory Department for Foreign Citizens, and a Medical College. The University teaches Masters of Medicine in the specialties of "General Medicine", "Pediatrics", "Dentistry", Masters of Pharmacy in the specialty of "Pharmacy", and specialists in the following specialties: "General Medicine", "Pediatrics", "Dentistry", full-time and part-time specialists in "Pharmacy", as well as junior specialists in "General Medicine (Paramedic)", "Nursing" and "Orthopedic Dentistry".

Postgraduate training of doctors is conducted in 30 specialties, pre-certification training - in 23 medical specialties.

The training of specialists at the Ivano-Frankivsk National Medical University is carried out by the teaching staff of 597 people, including 80 doctors of sciences, 71 professors, 366 candidates of sciences, 187 docents, and 346 assistants. Among the university's faculty are 22 full members of public academies, 3 professors of the Academy of Sciences of the Higher School, 1 professor of the Ukrainian Environmental Academy of Sciences, and 2 employees of the New York Academy of Sciences. One lecturer is a permanent member of the European Association of Clinical Pharmacology. The pedagogical process and scientific work of the University is carried out by 9 Honored Science and Technology Figure of Ukraine, 1 Honored Education Figure of Ukraine, 1 Honored Culture Figure of Ukraine, 1 Honored Pharmacy Figure of Ukraine, 1 Honored Figure, 2 Laureates of the State Prize of Ukraine in the field of "Medical Science", 13 Honored Doctors of Ukraine.

In 1945, there were 16 departments at the Stanislavsky Medical Institute; today the university has 58 departments and 6 courses. The departments of the university are provided with the necessary equipment and facilities, which makes it possible to teach 5380 students (including 808 foreign citizens) and 1281 interns at a high methodological and scientific level.

Since 2002, the university has been the first in Ukraine to introduce a new form of state certification of graduates - a practice-oriented state exam. The university is annually awarded the title of laureate of various national and international educational exhibitions for the introduction of innovative technologies.

To ensure a high-quality educational process, the university has created an appropriate infrastructure with the proper material and technical base that meets the current requirements. The

material and technical base of the university has 30 buildings with a total area of 81188 square meters, which are used for teaching and laboratory classes, as well as for various auxiliary purposes.

A network of student catering facilities is in operation: canteens, cafes, and cafeterias; and a sports complex is becoming an indispensable assistant to maintain the good physical condition of students and staff.

The medical university has 4 dormitories with the area of 23 801 square meters . In 2005, dormitory No. 4 was reconstructed into the «University Clinic», an educational and scientific medical complex with the area of 2,618 square meters.

The university has 507 computers (26 computer classes).

The material and technical support of the university meets modern requirements and ensures the vital activity of all departments. The university has undergone a special development in recent years: a number of new buildings were put into operation, as well as facilities after a comprehensive reconstruction with a total cost of UAH 7.25 million. In 1999, the Faculty of Pharmacy was opened, and in 2004, its part-time department. A new building of the Faculty of Pharmacy with 400 seats and a total area of 4572.0 square meters was opened. For the needs of this faculty, the buildings of a former sanatorium in Yaremche were purchased, on the basis of which the «Arnika» educational and recreational center was created and operates, and a 1.25-hectare land plot was privatized. A mini-print shop and an information and computer center were opened. The capacity of the in-house printing facility is 2,020,000 sheets per year. The construction of an operating room is being completed with the addition of a functional department near the regional clinical hospital, which will house the university's surgical departments and a diagnostic center for existing clinics.

In 2005, the University Clinic, a 60-bed research and diagnostic and treatment unit of the university, was opened.

The university's educational and methodological activities are aimed at improving the quality of student training, completing the implementation of the basic principles of the Bologna Process in the educational process, and switching to teaching according to the credit-module system of organizing the educational process at the Dental and Pharmaceutical faculties.

University continues to establish close ties with leading foreign educational institutions in related fields. International grants are used to send employees to foreign universities to prepare for the implementation of the Bologna Process. University is actively expanding the training of specialists for foreign countries.

Due to the significant increase in the role of students' independent work, considerable attention is paid to providing conditions for students' extracurricular work in libraries, computer classes, and departments and improving pedagogical teaching methods.

The Academic Department, deans' offices and departments have prepared information packages on the main specialties as one of the elements of the Bologna process and presented them on the university website (www.ifdmu.edu.ua).

We continue to introduce active teaching methods and modern information teaching technologies. At a permanent seminar, business games are held with the staff of the departments of the Faculty of Medicine, the Faculty of Dentistry and the Faculty of Pharmacy to master the basics of credit-module technology for organizing the educational process.

Information and methodological support is organized at the proper level. There are 6 reading rooms with 300 seats. As of January 01, 2011, the library's documentary collection includes 393473 copies. The university publishes two professional journals in which the university scientists publish the results of research works, included by the State Accreditation Commission of Ukraine in the list of professional publications: “Galician Medical Journal” and “Archive of Clinical Medicine”.

The main scientific direction of the university “Development of new medical technologies and standards for diagnosis, prevention and treatment of the most important diseases in the framework of randomized trials of evidence-based medicine” includes 77 complex research works, including 4 research works funded from the state budget of the Ministry of Health of Ukraine, 20

complex departmental topics, 23 economic and contractual research works, 30 within the framework of international multicenter randomized trials, etc. There are 80 Doctors and 306 Candidates of Sciences out of 597 academic staff members of the University.

In their research practice, university scientists widely use the opportunities of scientific cooperation with higher education institutions, research institutions and clinics both in Ukraine and abroad. The university staff participated in 53 research projects under grants, took part in 67 international forums, exhibitions, internships, etc. The university's scientists received 120 foreign and 40 Ukrainian grants for research activities.

The University continues to cooperate with 21 educational, scientific and medical institutions and 28 foreign medical institutions, including: "MEDGAL" (Poland); research groups and companies in Western Europe to conduct multicenter randomized placebo-controlled trials, etc.

The University constantly pays special attention to the teaching staff education. The University continues to work on 27 Doctoral and 180 PhD theses.

The university has two specialized academic councils: a specialized academic council with the right to defend doctoral and PhD theses in the following specialties: Therapy, Cardiology, Gastroenterology, Dentistry, and a specialized academic council for the defense of doctoral and PhD theses in the specialty "Histology, Cytology, Embryology".

Over the years, the university has established 10 scientific schools. 9 employees of the University have honorary titles of foreign institutions: The International Biographical Center in Cambridge (UK), the New York Academy of Sciences, the Academy of the International Association of Phlebologists and Vascular Surgeons of Germany, the European Respiratory Society (Switzerland), the European Associations of Dentists, Cytologists, Radiologists, and Cardiologists.

The University also holds leading positions in the country in terms of student research. Over the three-year period, students took part in 25 international and 56 national and regional scientific conferences, where 244 students were awarded diplomas for the best reports. At specialized Olympiads in certain subjects and All-Ukrainian competitions, 38 students became winners and prize-winners. Diplomas of various degrees were awarded to 283 students.

The university has 3 departments of the Minor Academy of Sciences of Ukraine, which annually enroll 45-60 high school students.

IFNMU is the base of student national olympiads in Anatomy, Therapy and Histology, Cytology and Embryology.

Educational work at the university is carried out in close cooperation with public and political organizations, namely: Taras Shevchenko Ukrainian Language Society (ULS), Prosvita, the Congress of Ukrainian Intellectuals, the Board of the Ukrainian Medical Society, the Trade union committees of employees and students, and the Association of Medical Students.

The Center for Culture and Leisure of Students hosts amateur artistic groups (folk amateur dance ensemble «Druzhba», folk rhythmic dance ensemble "Art", vocal ensemble "Akord", women's vocal ensemble "Suziria", vocal and instrumental ensembles, instrumental trio «Spanish Rhapsody», artistic reading groups, KVK teams, individual soloists, etc.).

In terms of the total number of amateur groups, creative associations, STEM, KVK teams and the total number of events held by them, the university is a leader in the ranking of Ukrainian universities.

E. The Procedure for admission to study (citizens of Ukraine)

Educational activity at Ivano-Frankivsk National Medical University is carried out in accordance with the license of the Ministry of Education and Science of Ukraine (series AB No. 506162 of 13.01.2010, valid until 01.07.2019).

The Admissions Committee of Ivano-Frankivsk National Medical University (hereinafter referred to as the Admissions Committee) has developed the Admission Rules in accordance with

the Terms of Admission to Higher Education Institutions of Ukraine, approved by the Order of the Ministry of Education and Science of Ukraine No. 961 of October 19, 2010 and registered with the Ministry of Justice of Ukraine on October 28, 2010 under No. 999/18294.

Ivano-Frankivsk National Medical University (IFNMU)

Acceptance of applications and documents, entrance examinations, competitive selection and enrollment of applicants is carried out on the basis of basic and complete general secondary education. More information can be found in the Rules of Admission to Ivano-Frankivsk National Medical University on the university website <http://www.ifnmu.edu.ua>).

Educational requirements for applicants:

Persons with a complete general secondary education are admitted to study for a specialist's degree.

IFNMU admits students to senior years of study in the order of transfer and renewal within the vacant places of the licensed volume in accordance with the Regulations on the procedure for transfer, expulsion and renewal of students of higher education institutions, approved by the order of the Ministry of Education of Ukraine № 245 of July 15, 1996. Exceeding the licensed volume is allowed only in the case of renewal of persons returning from an academic leave.

The procedure for receiving applications and documents for admission to the Institution of Higher Education

Applicants personally submit an application for admission to IFNMU, in which they indicate the specialty and form of study.

An applicant may submit an application and documents to no more than five higher education institutions of Ukraine and no more than three areas of study (specialties) in each of them. Each submission of an application and documents is recorded on the back of the certificate and certified by the seal of the admission committee.

When submitting an application, the applicant must submit in person:

a document of the state standard on the previously obtained educational (educational qualification) level, on the basis of which the admission is carried out, and an appendix to it;

certificate (certificates) of the Ukrainian Center for Educational Quality Assessment (for applicants on the basis of complete general secondary education);

passport of a citizen of Ukraine (passport of a citizen of Ukraine for traveling abroad, military ID or registration certificate, birth certificate - for persons who do not have a passport by age, or other document certifying identity and citizenship).

At the applicant's request, the admission (selection) committee certifies a copy of a state-issued document on the previously obtained educational (educational qualification) level on the basis of which the admission is made, and its appendix, a certificate (certificates) of the Ukrainian Center for Educational Quality Assessment and other documents.

The applicant shall attach to the application:

a document of a state standard on the previously obtained educational (educational qualification) level, on the basis of which the admission is carried out, and an appendix to it, at the personal choice of originals or copies;

certificate (certificates) of the Ukrainian Center for Educational Quality Assessment (for applicants on the basis of complete general secondary education), originals or copies at their own choice;

medical certificate in the form 086-o or its copy;

six 3 x 4 cm color photographs.

Other documents or copies thereof shall be submitted by the applicant if it is caused by special conditions of admission to the relevant fields of study (specialties) established by law, within the time limits specified for the receipt of documents.

Applicants have the right to submit certificates or their duplicates of the Ukrainian Center for Educational Quality Assessment.

All copies of documents shall be certified by the original by the admission (selection)

committee of the higher education institution to which they are submitted, or in accordance with the procedure established by law (notarized).

Persons with disabilities (disabled persons of groups I and II, disabled children) shall submit documents certifying their right to take entrance examinations at IFNMU.

Persons who did not participate in the external independent evaluation in 2011 shall submit documents certifying their right to take only entrance examinations at the IFNMU:

Citizens of Ukraine, discharged from military service in the year of admission to a higher education institution;

servicemen of the rank of private, sergeant and sergeant major, who are performing military service under the contract - when entering the correspondence form of study;

persons who have diseases listed in the list of diseases that may be an obstacle for citizens to undergo an external independent evaluation, established by the Ministry of Education and Science of Ukraine and the Ministry of Health of Ukraine, for whom the Ukrainian Center for Educational Quality Assessment cannot provide an independent external evaluation of educational achievements.

Persons who received a complete general secondary education in 2007 and earlier shall submit documents confirming their right to participate in the competition based on the results of an external independent evaluation or the results of entrance examinations in competitive subjects at a higher education institution of their choice.

Citizens of Ukraine who have completed a complete general secondary education abroad shall submit documents confirming their right to participate in the competition based on the results of an external independent evaluation or the results of entrance examinations in competitive subjects at a higher education institution of their choice.

When admission to study for a specialist's or master's degree on the basis of basic or complete higher education of persons who submit a document on the educational qualification level obtained abroad, the procedure of validation of the document on the educational qualification level obtained is mandatory, which is carried out by the Ministry of Education and Science of Ukraine in accordance with the established procedure. The validation of these documents is carried out during the first year of study. (For more details, please see the Rules of Admission to the State Higher Educational Institution «Ivano-Frankivsk National Medical University» on the university website <http://www.ifnmu.edu.ua>).

Information on financial expenses of students: the cost of studying under the contract annually, taking into account the inflation rate, is as follows: General Medicine - 20,000 UAH, Pediatrics - 17,000 UAH, Dentistry - 23,000 UAH, full-time Pharmacy - 16,000 UAH, part-time Pharmacy - 12,500 UAH, General Medicine (paramedic) - 10,100 UAH, Nursing - 10,100 UAH, Orthopedic Dentistry - 10,700 UAH.

The Procedure for admission to study (foreign citizens)

Foreigners of Ukrainian origin who have been referred for study by Ukrainian national and cultural societies enjoy the same rights to education as Ukrainian citizens if they have participated in international competitions in general education subjects, the entrance examination for which is determined by the higher education institution as a specialized one for admission to the chosen field of study (specialty).

According to the Regulations on Admission of Foreigners and Stateless Persons to Higher Education Institutions of Ukraine, approved by the Cabinet of Ministers of Ukraine of 05.08.98, No. 1238, and the Order of the Ministry of Education and Science of Ukraine of 12.08.2003, No. 544, the original of the relevant invitation is the basis for obtaining an entry visa for the purpose of studying in Ukraine between August 15 and November 15. Enrollment of foreigners in the first year of study is carried out until October 1, and enrollment in preparatory courses until November 15. Foreigners submit the following documents to the university:

a) a questionnaire of the established form;

- b) a copy of the document on education and grades (points) received in academic disciplines;
- c) a document confirming the absence of HIV infection;
- d) a medical certificate of health, certified by the official health authority of the country of origin of the foreigner and issued no later than 2 months before entering Ukraine for study;
- e) an insurance policy for emergency medical care;
- f) a copy of the birth certificate;
- g) 6 photographs 6x4 cm in size;
- h) a return ticket with an open date of return to the home country for a period of up to one year.

The documents specified in subparagraphs "b", "d", "f" must be certified in accordance with the legislation of the country of issue and legalized in accordance with the established procedure.

Foreigners are enrolled to the university at the expense of individuals and legal entities based on the results of the interview in biology and on the basis of the concluded agreement (for more details, please see the Rules of Admission to Ivano-Frankivsk National Medical University in 2011 (as amended of 17.05.2011, minutes of the meeting of the Admission Committee № 6) on the university website <http://www.ifnmu.edu.ua>).

Foreign citizens can study in Ukrainian and English.

The annual tuition fee for foreign citizens is as follows: General Medicine (Ukrainian language of study) - 3700 USD, General Medicine (English language of study) - 4000 USD, Dentistry (Ukrainian language of study) - 3800 USD, Dentistry (English language of study) - 4300 USD, Pharmacy (Ukrainian language of study) - 3200 USD, Pharmacy (English language of study) - 3600 USD, Pharmacy (part-time, Ukrainian language of study) - 2800 USD, pharmacy (part-time, English language of study) - 3300 USD. 2500 USD per year - studying at the Faculty of Postgraduate Education. *

* - The cost of one year of study is indicative.

A. Formalities adopted in Ukraine for the admission of students

To enter Ukraine for the purpose of studying, a foreign citizen must obtain a student visa (type "O") at the consular offices of Ukraine abroad. The said visa is issued on the basis of the "Invitation to study", which is filled in by the higher education institution that accepts the foreign citizen for study (internship). The "Invitation to study" is issued on the basis of the application of the future student and submitted copies of educational documents, a copy of the passport (by e-mail, mail or fax).

The university provides visa support for foreign citizens. The cost of the Invitation to Study and visa support is determined by the Ministry of Education and Science of Ukraine.

The higher education institution provides assistance in crossing the state border of Ukraine. Upon the arrival of a foreign citizen for study, the institution ensures his/her registration with the emigration service within 3 days.

The average cost of living in Ivano-Frankivsk:

1. The cost of living for one person in a single room for one month	- 440.0 UAH.
2. Four meals a day - (60.0 UAH per day for 30 days)	- 1800.0 UAH.
3. Material expenses (purchase of books, periodicals, personal hygiene products, medicines and preventive medicines) for one month	- 500.0 UAH
4. Transportation (6.0 UAH per day for 30 days)	- 180.0 UAH.
5. Cultural events (theater 4 times a month)	- 140.0 UAH.
6. Communication services - for one month	- 120.0 UAH.
Total:	3180.0 UAH.

Note: additional information:

Set lunch at the “Nadiya” restaurant (one person) - 30.0 UAH.

The cost of accommodation in the hotel “Nadiya”:

Suite (per night) - 1960.0 UAH.

Semi Suite (per night) - UAH 870.0.

D. Provision of housing

Upon arrival at the educational institution, the student can receive information about accommodation from the chairman of the student trade union, Yurii Solodzhuke.

Students Trade Union is located at: 2 Halytska St., Ivano-Frankivsk, 76018. tel. +38(03422)25355. By calling this number, students can get information about living in the city.

If a foreign student wishes to live in a dormitory, he/she should contact the Dean's Office of the Foreign Citizens Training Faculty at the following address: 2 Halytska St., Ivano-Frankivsk, 76018, tel. +38(0342)524844. You must have a passport with you to confirm your identity, after which the student is issued a warrant for accommodation in the dormitory. On the same day, you need to pay for accommodation in the dormitory at the rate of 600 UAH (1 bed in a double room) for each month of stay. For students with special needs, elevators are provided in the dormitory.

If a student wants to rent private housing, the cost of rent is from 1800 UAH for 1 month of stay. There is also a developed network of hotels in the city, where the cost of accommodation per day ranges from 200 UAH (a regular room in a hotel-type dormitory) to 870 UAH (a semi suite).

E. Health and insurance

1. Medical care

1. Medical care

Before leaving to study in Ukraine, a foreign citizen must undergo a comprehensive medical examination to ensure that there are no contraindications to living in the climatic conditions of Ukraine.

International students who come to study at IFNMU are guaranteed medical care at the university clinic and medical institutions in Ivano-Frankivsk.

Medical care for foreign students in medical institutions is provided on the basis of the Resolution of the Cabinet of Ministers of Ukraine No. 79 of January 28, 1997 "On Approval of the Procedure for Providing Medical Care to Foreign Citizens Temporarily Staying in Ukraine".

2. Students with special needs can seek advice from the Dean's Office of the Faculty of Foreign Citizens:

2, Halytska St., Ivano-Frankivsk, 76018

tel. +38034254844

fax + 38034254844

e-mail: fd@ifnmu.edu.ua

3. Foreign students who come to study in Ukraine are subject to compulsory medical insurance with the provision of emergency medical care (except for foreigners who come from countries with which agreements on free emergency medical care have been concluded).

F. Conditions of study.

1. Libraries

The library of Ivano-Frankivsk National Medical University has more than half a century of history - it started its activity in 1945.

The book fund of the library is multidisciplinary and includes more than 315 thousand copies of literature. The library has 5 thousand readers, including 3,600 students. About 170 thousand users visit it annually. The library occupies 1200 square meters of space. The library

employs 29 staff members at 27.0 positions. The library's website is <http://ifnmulibrary.samomu.ru/>

The structure of the library:

- Service department;
- Department of acquisition and processing of literature;
- Reference, bibliographic and information department.

The Customer Service Department is the largest subdivision of the library. It provides services to readers: 2 lending desks, a central reading room, a reading room of the Department of Ukrainian Studies, reading rooms of the dormitories: No 1-2, No 3, No 4.

Schedule of work:

- **scientific and educational subscriptions**, 7a Halytska St.
Daily from 8.00-19.00
Days off: Saturday, Sunday;
- **central reading room**, 7a Halytska St.
Daily from 8.00-19.00
Sunday from 11.00-17.00
Day off: Saturday;
- **reading room of foreign literature**, 7a Halytska St.
Daily from 8.00-19.00
Days off: Saturday, Sunday;
- **reading room of the Department of Ukrainian Studies**, 2 Halytska St.
Daily from 11.00-19.00
Days off: Saturday, Sunday;
- **reading room of the dormitory No. 1-2**, 10 Trolleybusna St.
Daily from 11.00-19.00
Days off: Saturday, Sunday;
- **reading room of the dormitory No. 3**, 171 Mazepa St.
Daily from 13.00-19.00
Days off: Saturday, Sunday;
- **reading room of the dormitory No. 4**, 32b Pivdennyi Blvd St.
Daily from 14.00-20.00
Days off: Saturday, Sunday;

More than 350 users use the library and reading room services daily. Literature is provided free of charge. There are no paid services. Educational literature is issued for the duration of the discipline, and scientific literature for a period of 15 days. Library readers who have lost a book are replaced in accordance with the rules of using the library and the rector's order, the replacement is made to match the edition of the book one time, 10 times and 30 times.

The Department of Acquisition and Processing of Literature is responsible for the formation and accounting of collections. All sources of acquisition are used in the work: bookstores, direct contacts with publishers and authors, and donated literature. The collection is constantly updated with new literature, that is being processed, systematized and described for card and electronic catalogs. The department is open daily from 8 to 17 hours. Days off: Saturday-Sunday.

The Reference and Bibliographic Department is a center of information. The department has taken confident steps towards automation and computerization. The transition to electronic cataloging of documents and the development of in-house databases has significantly expanded the possibilities and enriched the information resource. Much is being done to provide information and bibliographic support for the learning process of continuing education. This work is done in close cooperation with teachers and students.

We inform teachers and students at the Department's Information Days. To assist the educational and research processes, the department compiles and publishes recommended reading lists.

As the pace of library life increased, so did the need for a direct exchange of thoughts and work experience. This became an occasion for discussion at the methodological associations of libraries of higher education institutions in Ivano-Frankivsk.

To provide users with the necessary literature in a timely manner, thematic book exhibitions and literature reviews are held in the reading rooms. The library participates in scientific conferences, seminars, and methodological associations.

The library offered 51 medical book exhibitions, 27 socio-political exhibitions, 19 book reviews, 4 literary and thematic evenings, a debate, a book discussion, an oral journal, and a readers' conference. It has also become a tradition to hold the Days of the Departments, during which scientists have the opportunity to get acquainted with the literature on the profile of the department and the works of IFNMMU teachers, in a meaningful dialogue with the library staff to obtain comprehensive data on the information capabilities of the library, acquisition of the collection and use of educational literature in the disciplines assigned to the department. Last year, the staff of the educational and scientific subscription services organized 6 such events.

The traditional subject catalog and file cabinets are supplemented by an electronic catalog that fully reproduces all types of publications: books, articles, periodicals, and abstracts. The electronic catalog allows for a multifaceted search: by author, title, UDC, and document type. Employees of the Reference and Bibliographic Department entered 7629 titles of journal articles from periodicals in various fields of medicine into the electronic database.

Automation of information and library processes is positively perceived by users, who note the efficiency, accessibility and comfortable conditions for working with information. Particular attention is paid to information on new literature received by the library. During the 2009-2010 academic year, 11 Information Days were held, where 1939 copies of literature were presented and visited by 1009 users (faculty, doctors, masters, postgraduates, students).

Successful information support contributes to the process of education and self-education, and stimulates the process of gaining knowledge.

1. Educational and laboratory facilities.

Information and Computing Center, 7a Halytska St.

Working hours:

Daily from 8 to 18 hours,

Days off: Saturday, Sunday.

In the information and computer center, which provides all processes of work with 15 computers and relevant programs with Internet access. Serving users with Internet resources. Creation of virtual pages of web publications and their scientific processing. Formation and technological support for the use of electronic resources of web-based publications will be the basis for the creation of a national distribution fund of electronic documents, which is one of the most important tasks of the National Program of Informatization of Ukraine.

G. Extra-curricular activities and leisure

The university has an effective established student government vertical, which is based on the developed "Regulations on Student Self-Government".

Self-government at the university has the following structure: student parliament, student scientific society; student council of the university; student trade union; student council of the dormitory; course supervisor (mayor of the course and academic group). The main condition for a

student to participate in self-governing structures is an active life position, and to participate in the work of the student trade union - payment of membership fees.

The main areas of student participation in university life are the organization of: educational work; scientific work and technical creativity of students; cultural, educational, physical educational and mass work; student life and leisure in dormitories; law and order in the buildings of the IFNMU; employment system; system of interuniversity relations.

Center for Culture and Leisure of Students (CCLS):

Men's Amateur Choir "Surma";

Folk rhythmic dance ensemble "Art";

Folk amateur dance ensemble "Druzhba";

rhythmic dance groups "Art", "Art Academy" and "Arabesques";

a circle of artistic words;

women's ensemble "Suziria";

groups "Vendetta", "Omega", "IQ".

13 course and faculty amateur art groups and creative associations; sports and health clubs (Medyk, Zdorovia) and sections (football, volleyball, basketball, badminton, table and tennis, athletics, skiing, walking, tourism, orienteering, swimming, chess and checkers, rhythmic gymnastics, self-defense, athletic gymnastics, arm wrestling and kettlebell lifting).

The university has recreation centers in the Carpathian Mountains in Yaremche.

Ivano-Frankivsk region is a tourist region with many hiking, biking, and horseback riding trails, campgrounds, recreation centers, and boarding houses, mostly located in the cities of Yaremche, Kolomyia, Kosiv, Verkhovyna, and the villages of Vorokhta, Osmoloda, Yasen, Sheshory, etc. A green tourism program involving hundreds of private entrepreneurs operates throughout the region. The villages of Yablunytsia, Polianytsia, Vorokhta, Yaremche, Kosiv, Rozhnyativ have ski lifts and ski slopes, as well as the Bukovel ski resort, 60-100 km from Ivano-Frankivsk.

In cities Truskavets, Morshyn, and the village of Mizun have health water and balneological resorts where you can improve your urinary and digestive systems.

In city Ivano-Frankivsk, there are numerous discos, cafes, bars, restaurants, nightclubs, modern cinemas "Kosmos" and "Lumiere", the regional drama theater, the philharmonic, the People's House, the Prosvita House, Internet clubs and cafes, and a number of museums.

III – FACULTY OF MEDICINE (specialities “General Medicine” and “Pediatrics”)

1. Dean of the Faculty of Medicine:

Roman Yatsyshyn, Doctor of Medical Sciences, Professor, Honored Doctor of Ukraine, Head of the Department of Internal Medicine No.1 named after academician Ye. M. Neiko.

Deputy Dean for 1-2 yearss:

Mariia Hryshchuk, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Anatomy, Operative Surgery and Topographic Anatomy.

Deputy Dean for 3-4 yearss:

Roman Han, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Pediatric Surgery and Pediatric Propaedeutics

Deputy Dean for 5-6 years:

Anton Symchyh, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of General Surgery

Deputy Dean in the specialty “Pediatrics”:

Taras Kobryn, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Infectious Diseases and Epidemiology

Director of Medical College:

Yurii Botsiurko, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Internal Medicine No. 4 and Nursing

Curator of ECTS at the Medicine Faculty:

Zhanna Zolotarova, Associate Professor of the Department of Social Medicine, Health Care Organization and Medical Law

2 Halytska St.

Ivano-Frankivsk, 76018

Dean's Office of the Medicine Faculty

phone: +3803422- 2-25-72

Contact numbers of the curator of ECTS from the faculty:

+380665393098 (mobile)

+3803422- 2-25-72 (Dean's Office of the Medicine Faculty, daily from 15:00 to 18:00, except Saturday and Sunday)

2. Medicine Faculty of Ivano-Frankivsk National Medical University trains specialists in the following specialties: General Medicine, Pediatrics, General Medicine (Paramedic), and Nursing. Today, 2737 students study at the faculty. Of these, 1769 students major in General Medicine, 363 students in Pediatrics, 90 students in General Medicine (Paramedic) and 515 students in Nursing.

The training of specialists in the specialties “General Medicine” and “Pediatrics” is carried out on the basis of the Orders of the Ministry of Healthcare of Ukraine № 414 of 23.07.2007 “On Amendments to the Order of the Ministry of Healthcare of Ukraine of 31.01.2005 № 52 “On Approval and Introduction of New Curriculum for Training Specialists of Educational Qualification Level “Specialist” of the qualification “Doctor” in Higher Educational Institutions in the specialties “General Medicine”, “Pediatrics”; and No. 539 of 08.07.2010 “On Amendments to the Curriculum for Training Specialists of the Educational Qualification Level “Specialist” with the Qualification “Doctor” in the Specialties “General Medicine” and “Pediatrics”, approved by the Order of the Ministry of Healthcare of Ukraine No. 749 of 19.10.2009”;

The educational process is carried out at 40 departments, 6 of which are graduate departments and provide specialized training for students in their final year. The departments employ 384 research and teaching staff. Among them are 55 doctors of sciences, 176 candidates of sciences and 153 teachers without a scientific degree. The scientific and pedagogical specialty of the faculty members who support the educational process corresponds to the disciplines they teach. The average age of the teaching staff is 50 years, including 55 doctors of sciences and 46 candidates of sciences.

III – FACULTY OF DENTISTRY

(specialty “Dentistry”)

1. Dean of the Faculty of Dentistry:

Oleksandr Buherchuk, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Orthopedic Dentistry

Deputy Dean of the Faculty of Dentistry for 1-3 years:

Arsen Melnychuk, Candidate of Medical Sciences (Ph. D.), Assistant of the Department of Dentistry at the Educational and Research Institute of Postgraduate Education.

Deputy Dean of the Faculty of Dentistry for 4-5 years:

Oleksandr Bulbuk, Candidate of Medical Sciences (Ph. D.), Associate Professor of the Department of Orthopedic Dentistry

Curator of ECTS at the Faculty of Dentistry:

Yurii Oktysiuk, Candidate of Medical Sciences (Ph. D.), Assistant of the Department of Pediatric Dentistry

2 Halytska St.

city Ivano-Frankivsk, 76018

Dean's Office of the Faculty of Dentistry

phone: +3803422- 3-10-50

Contact numbers of the Curator of ECTS from the faculty:

+380502801583 (Mobile)

+3803422- 3-10-50 (Dean's Office of the Faculty of Dentistry, daily from 15:00, except Saturday and Sunday)

+3803422-3-11-29 (Department of Pediatric Dentistry)

2. The Faculty of Dentistry of Ivano-Frankivsk National Medical University trains specialists in the specialty “Dentistry” and junior specialists in the specialty “Orthopedic Dentistry”. Today, 987 students study at the faculty. Of these, 898 students are majoring in Dentistry and 89 students in Orthopedic Dentistry. The educational process is carried out at 34 departments, 4 of which are specialized.

III – FACULTY OF PHARMACY

(specialty "Pharmacy")

1. Dean of the Faculty of Pharmacy:

Mykola Moiseienko, Doctor of Biological Sciences, Professor, Head of the Department of Medical Informatics, Medical and Biological Physics

Deputy Dean of the Faculty of Pharmacy:

Nataliia Leochko, Candidate of Technical Sciences (Ph. D.), Associate Professor of the Department of Chemistry

Deputy Dean of the Faculty of Pharmacy for part-time studies:

Petro Dudii, Doctor of Medical Sciences, Professor

Curator of ECTS at the Faculty of Pharmacy:

Dmytro Melnyk, Candidate of Chemical Sciences (Ph. D.), Associate Professor of the Department of Chemistry, Faculty of Pharmacy

Responsible for «Krok-1. Pharmacy», «Krok-2. Pharmacy»:

Nadiia Rushchak, Assistant of the Department of Pharmacy

124a Halytska St.

city Ivano-Frankivsk, 76018

Dean's Office of the Faculty of Pharmacy

phone: (0342) 78-83-91

Contact numbers of the Curator of ECTS from the faculty:

0957633360 (Mobile)

(0342) 78-83-91 (Dean's Office of The Faculty of Pharmacy, daily, except Saturday and Sunday)

2. The Faculty of Pharmacy of Ivano-Frankivsk National Medical University trains specialists in the specialty 7.12020101 “Pharmacy”. Today, 654 students are enrolled at the faculty. Of these, 244 are full-time students and 410 are part-time students.

At Ivano-Frankivsk National Medical University, pharmacists are trained at 19 departments. The faculty members include 26 doctors and 138 candidates of sciences. The graduating departments of the faculty are: the Department of Pharmacy, headed by Doctor of Pharmacy, Professor Hrytsyk A.R., the Department of Clinical Pharmacology and

Pharmacotherapy with a course in Basics of Bioethics and Biosafety, headed by Doctor of Medicine, Professor Kupnovytska I.G., and the Department of Economics and Organization of Pharmacy and Drug Technology, headed by Doctor of Pharmacy, Professor Semeniv D.V.

III – FOREIGN CITIZENS TRAINING FACULTY (specialties “General Medicine”, “Dentistry”, “Pharmacy”)

1. Dean of the Foreign Citizens Training Faculty:

Dmytro Solomchak, Candidate of Medical Sciences, Associate Professor of the Department of Urology

Deputy Dean for the 1st-2nd years of study:

Andrii Romaniuk, Candidate of Chemical Sciences, Associate Professor of the Department of Biological and Medical Chemistry named after Academician Heorhii Babenko

Deputy Dean for the 3rd year of study:

Markiiian Piuryk, Candidate of Medical Sciences, Assistant of the Department of Surgery of Postgraduate Education

Deputy Dean for the 4th year of study:

Marian Voloshynovych, Candidate of Medical Sciences, Assistant of the Department of Dermatology and Venereology

Deputy Dean for the 5th-6th years of study:

Volodymyr Holub, Assistant of the Department of Anesthesiology and Intensive Care

Deputy Dean for the specialty of “Dentistry”:

Taras Matviukiv, Candidate of Medical Sciences, Assistant of the Department of Therapeutic Dentistry

Deputy Dean for the specialty of “Pharmacy”:

Andrii Sapatyi, Candidate of Medical Sciences, Associate Professor of the Department of Clinical Pharmacology and Pharmacotherapy

ECTS Supervisor at the Faculty of Medicine:

Ivan Chaviak, Candidate of Physical and Mathematical Sciences

2 Halytska St.

Ivano-Frankivsk, 76018

Dean's Office of the Foreign Citizens Training Faculty

Phone: +380342- 53-48-44

Contact phone numbers of the ECTS Supervisor of the faculty:

+380342- 53-48-44

2. Foreign Citizens Training Faculty of Ivano-Frankivsk National Medical University trains specialists in the following specialties: General Medicine, Dentistry, and Pharmacy. Today, 1571 foreign students are studying at the faculty. Among them, 1334 students are general medicine, 137 students are studying dentistry, 26 students are studying pharmacy, and 50 students are studying pharmacy at the part-time mode of study. The faculty has a Preparatory Department with 24 students attending it

The scientific activity of scholars and pedagogical staff of Ivano-Frankivsk National Medical University is focused on the development of applied topics, participation in randomized multicenter researches within the framework of the evidence-based medicine and testing medicines of the domestic pharmaceutical industry, aimed at theoretical, technological and logistical support of basic researches, as well as medical technologies and development of topical

issues of diagnosis, prevention and treatment of the most important non-communicable diseases caused by the peculiarities of the environmental condition in Prykarpattia.

The main scientific direction of the university is “Development of new medical technologies and standards for diagnosis, prevention and treatment of the most important diseases within the framework of randomized trials of Evidence-Based Medicine”.

The most significant achievements:

Scientific discovery “The natural relationship between the development of chronic aspirin polyposis rhinosinusitis and arachidonic acid metabolism disorders in the human body” (Diploma No. 481 of 12.10.2009 of the International Academy of Authors of Scientific Discoveries and Inventions). Authors: Professors Popovych V.I., Kovalchuk L.Ye., Ersteniuk H.M., Ryzhyk V.M., Assist. Koshel I.V. The essence of the discovery is that for the first time a primary, genetically determined decrease in the activity of the cyclooxygenase enzyme has been proved.

“Prolonged extracorporeal membrane oxygenation of blood in patients with complications of viral pneumonia” (Prof. Titov I.I., Prof. Voloshynskiy O.V.), which allows to reduce and completely eliminate acrocyanosis and diffuse cyanosis, skin hyperhidrosis, normalize blood pressure, reduce tachycardia or disappearance of arrhythmia, reduce signs of hypoxic encephalopathy. Increase in hemoglobin oxygen saturation from $56.41 \pm 3.25\%$ to $95.18 \pm 6.24\%$ PaO₂, SaO₂ and decrease in PaCO₂.

“Antiembotic coffee filter “Antel M” (Prof. Henyk S.M., post-graduate student Popadiuk O.Y.) provides effective trapping of thromboemboli and prevents perforation of the vessel wall.

“A method of immunocorrection in patients with metabolic syndrome with type 2 diabetes mellitus” (Assoc. Prof. Skrypyk N. V.). The method will increase the effectiveness of early diagnosis of immune disorders and immunocorrection in patients with metabolic syndrome (MS) with type 2 diabetes mellitus (DM).

“A method of minimally traumatic disconnection of perforated veins” (Prof. Hudz I.M., post-graduate student Popadyiuk O.Y.). The method will make it easier to perform closed disconnection of perforated veins.

“Method of orthopedic treatment of patients with partial dentition defects and cardiovascular system pathology” (Assist. Andriitsiv S.S., Prof. Rozhko M.M., Prof. Vakaliuk I.P., Dr. Kotliarova O.V.). The method will allow an orthopedic surgeon to effectively provide orthopedic care to patients and avoid complications from the cardiovascular system during the preparation and conduct of orthopedic treatment.

«Method for assessing the severity of metabolic syndrome in patients with post-infarction atherosclerosis» (Academician of the Academy of Medical Sciences of Ukraine Neiko Ye.M., Prof. Orynychak M.A., Assist. Vakaliuk I.I.), which allows to consider hyperaldosteronemia as a characteristic diagnostic feature of metabolic syndrome. Determination of the relationship between hyperaldosteronemia and hyperinsulinemia in patients with postinfarction atherosclerosis substantiates the expediency of correcting drug treatment and including an aldosterone antagonist in the treatment complex.

“The use of stem cells to eliminate bone defects of the maxillofacial area” (Prof. Piuryk V.P., Associate Professor Prots G.B.). The proposed method allows to use the autologous stem cells to eliminate bone defects of the maxillofacial area, the effectiveness of which is confirmed by the results of X-ray examination and clinical findings of the effectiveness of treatment of generalized periodontitis, suppurating radicular cysts, prevents the development of complications by 10-15%.

Currently, the university has 10 scientific schools:

1. “Actual problems of therapy. New medical technologies for diagnosis and treatment” (Prof. Yatsyshyn R.I.);
2. “Therapy and family medicine” (Prof. Hlushko L.V.);

3. “New diagnostic and therapeutic technologies in cardiology” (Prof. Serediuk N.M., Vakaliuk I.P.);
4. “Actual problems of infectology” (Prof. Dykyi B.M.);
5. “Dental health” (Prof. Rozhko M.M.);
6. “New medical technologies in abdominal surgery” (prof. Shevchuk I.M.);
7. “New medical technologies in vascular surgery” (professors Hudz I.M., Pyptiuk O.V.);
8. “New diagnostic and therapeutic technologies in surgery of abdominal diseases” (Prof. Vasyliuk S.M.);
9. “Microcirculation in experimental pathology” (Prof. Levytskyi V.A.);
10. “Research of mineral resources of Prykarpattia” (Professors Ersteniuk H.M., Neiko V.E.).

The material and technical base of the university allows to fully ensure the training of specialists at all faculties. The university has seven basic academic buildings, which is 14.8 square meters per student, a university clinic, and students are also trained at clinical departments located at clinical health care facilities in Ivano-Frankivsk and Ivano-Frankivsk region. Educational and research purposes are served by a research base with a total area of 1209 square meters, which includes the university vivarium with an area of 642 square meters. It houses experimental laboratories and operating rooms of theoretical and clinical departments of the university. Scientific (histological, electron microscopic, biochemical, etc.) laboratories and operating rooms are available at most departments. In 2002, a reconstructed building of the Faculty of Pharmacy was opened, which houses today the Departments of Pharmacy and Chemistry. The total area of the building of the Faculty of Pharmacy is 4500 square meters, which is 40.8 square meters per student of the Faculty of Pharmacy.

In addition, the university has a 270 square meters’ educational drugstore, a 950 square meters’ library, a sports building and a gym equipped with the necessary equipment, and a swimming pool.

The university is actively implementing digitalization of the educational process, for which more than 500 personal computers are used at the university departments. The vast majority of classrooms and lecture halls of various departments are equipped with modern technical means of education. There are 5 computer classes and a university information and computing center.

The Departments of Medical IT, Medical and Biological Physics, Normal Anatomy, Physiology, Social Medicine and Health Care, Operative Surgery with Topographic Anatomy, and others have their own computer classes.

Practical skills acquired by students in classes and independent work are consolidated during internships. The university specialists have developed work programs for internships for students of the Faculties of Medicine, Dentistry, Pharmacy and Foreign Citizens Training Faculty. Practical training of students takes place at the university clinic, at the clinical health care facilities of Ivano-Frankivsk and Ivano-Frankivsk region, at leading pharmaceutical companies, regional and city pharmacies, and the training in pharmacognosy is conducted at the botanical garden in Ivano-Frankivsk and at the research and practical base in Yaremche.

To improve the provision of the educational process with textbooks and scientific and methodological materials in the Ukrainian language, the university has its own publishing house.

The library, which is a true scientific, informational, cultural and educational unit of the university, includes the following departments: service, acquisition and processing of literature, reference, bibliographic and information. The Customer Service Department is the largest subdivision of the library. There are two subscription libraries, a central reading room, a reading room of the Department of Ukrainian Studies, and reading rooms of the dormitories No. 1, No. 3, and No. 4. The total area of the library is more than 1200 square meters. All literature is issued free of charge. There are no paid services.

The university students have access to the Regional Scientific and Medical Library and the Ivan Franko Regional State Scientific Library.

Chapter III. A. 4. List of proposed Bachelor's, Master's, and Qualification degree programs and duration of study for each of them

The Ivano-Frankivsk National Medical University provides training for the degree of “Master of Medicine” and the educational and qualification level of “Specialist Doctor” in the relevant specialty and “Master of Pharmacy” and the educational and qualification level of “Specialist Pharmacist”.

At present, Ivano-Frankivsk National Medical University does not offer the Bachelor's degree program.

Studies for the degree of “Master of Medicine” and the educational and qualification level of “Specialist Doctor” in the relevant specialty are conducted after graduating from the university and obtaining a specialist diploma in the qualification of “Doctor”. The degree of “Master of Pharmacy” and the educational and qualification level of “Specialist Pharmacist” is awarded upon the graduation from the university and obtaining a specialist diploma in the qualification of “Pharmacist”.

The training for awarding the educational qualification level of “Doctor (Pharmacist) Specialist” in the relevant specialty is carried out in accordance with the Order of the Ministry of Health of Ukraine No. 81 of 23.02.2005 “On approval of the List of specialties and terms of internship training for graduates of medical and pharmaceutical higher education institutions, medical faculties of universities” and No. 47 of 07.02.2001 On Amendments to the Order of the Ministry of Health of Ukraine No. 291 of 19.09.96 “On Approval of the Regulation on Specialization (Internship) of Graduates of Higher Medical and Pharmaceutical Educational Institutions of III-IV Accreditation Levels” and with mandatory implementation of the “Typical Curriculum and Program of Specialization (Internship) for Graduates of Higher Medical Educational Institutions of III-IV Accreditation Levels in the Relevant Specialization” approved by the Ministry of Health of Ukraine. Such standard curricula and programs are available at Ivano-Frankivsk National Medical University for each of the specialties in which training is provided.

The Master's degree program in the relevant specialty is conducted in accordance with the “Regulations on Master's Degree” of Ivano-Frankivsk National Medical University and is carried out with the mandatory implementation of the “Typical Curriculum and Program for Training Masters of Medicine (Pharmacy) in the Relevant Specialty” approved by the Ministry of Health of Ukraine. Such typical curricula and programs are available at Ivano-Frankivsk National Medical University for each of the specialties in which the Master's degree program is conducted. Their list is due to the “List of Specialties and Terms of Internship Training” as according to the “Regulations on Master's Degree” of Ivano-Frankivsk National Medical University, during the Master's program in Pharmacy intern doctors must complete the internship program in the chosen specialty and pass certification to determine knowledge and practical skills with the award of a “Doctor (Pharmacist) Specialist” in the chosen specialty.

At the same time, upon completion of the Master's degree, an intern doctor must defend a Master's research work, after which he or she is awarded the qualification of a “Doctor (Pharmacist) Specialist” of a certain specialty with the title of “Master” and the award of a corresponding diploma.

Chapter III. A. 5. Description of the main methods of teaching and learning used and methods of assessing students' knowledge, skills and abilities

The educational process at Ivano-Frankivsk National Medical University is carried out in the following forms:

- 1) **academic classes;**
- 2) **completion of individual tasks;**
- 3) **independent work of students;**
- 4) **practical training;**
- 5) **control measures.**

1) The main types of academic classes:

- lecture;
- laboratory, practical, seminar, individual classes;
- consultation.

Lecture

A lecture is the main form of classroom instruction designed to teach theoretical material. As a rule, a lecture is an element of a lecture course that covers the basic theoretical material of a single or several topics of the discipline. The subject matter of the lecture course is determined by the working curriculum.

The lecture as a form of educational process has a number of inherent features, for example:

- provides holistic and logical coverage of the main provisions of the discipline;
- equips students with the methodology of studying this science;
- compensates better and more fully than other forms of the educational process;
- provides quick access to the latest scientific data;
- organically combines learning with education;
- directs students to independent work and determines its main directions;
- serves as a powerful motivational impetus to study the discipline.

It is possible to give separate lectures on issues related to a given discipline but not covered by the curriculum. Such lectures are conducted by leading scientists or specialists for students and employees at a separate time.

Lectures are conducted by lecturers - professors and associate professors (lecturers) of IFNMU, as well as leading scientists or specialists invited to give lectures.

Lectures are held in appropriately equipped rooms - classrooms for one or more academic groups of students.

A lecturer who is assigned to deliver a course of lectures is obliged to submit to the department (subject or cycle committee) before the beginning of the relevant semester the lecture notes (author's textbook, study guide), control tasks for the final control and program for this discipline.

A lecturer who first applies to give a course of lectures may be obliged by the head of the department (chairman of the subject or cycle commission) to conduct trial lectures with the participation of teachers and researchers of the department.

The lecturer is obliged to adhere to the curriculum regarding the topics of lectures, but is not limited in the interpretation of educational material, forms and means of communicating it to students.

Laboratory class

Laboratory class is a form of training in which a student, under the guidance of a teacher, personally conducts full-scale or simulation experiments in order to practically confirm certain theoretical provisions of this discipline, acquires practical skills in working with laboratory

equipment, computers, measuring equipment, methods of experimental research in a particular subject area.

Laboratory classes are held in specially equipped classrooms using equipment adapted to the conditions of the educational process (laboratory models, installations, etc.). In some cases, laboratory classes may be held in a real professional environment (for example, at school, at work, in research laboratories). Laboratory classes are conducted with students, the number of which does not exceed half of the academic group.

The list of topics for laboratory classes is determined by the working curriculum of the discipline. Replacement of laboratory classes with other types of classes is usually not allowed.

The laboratory class includes conducting ongoing monitoring of students' readiness to perform a specific laboratory work, completing the tasks of the class topic, preparing an individual report on the work performed and defending it.

Laboratory work is evaluated by the teacher. The final grade is given in the laboratory work record book. The final grades received by the student for laboratory work are taken into account when assigning the final module grade in this discipline.

Practical class

A practical class is a form of training in which the teacher organizes a detailed consideration by students of certain theoretical provisions of the discipline and develops the skills and abilities of their practical application through the individual performance of appropriately formulated tasks by the student.

Practical classes are held in classrooms or in training laboratories supplied with the necessary technical equipment. Practical training is conducted with students whose number does not exceed half of the academic group.

The list of topics for practical classes is determined by the discipline curriculum. Practical classes are based on previously prepared methodological material, tests to determine the degree of students' mastery of the necessary theoretical provisions, and a set of tasks of varying complexity for students to solve in class.

These methodological tools are prepared by the teacher who is responsible for conducting practical classes, in consultation with the lecturer of the discipline.

The practical class includes preliminary control of students' knowledge, skills and abilities, formulation of a general problem by the teacher and its discussion with the participation of students, solving problems with their discussion, solving control tasks, checking and evaluating them.

Independent work during practical and laboratory classes can be implemented in the following activities:

- study of educational and additional literature,
- familiarization with regulatory material, description of relevant equipment,
- watching demonstration experiments using video and computer equipment,
- excursions, meetings with scientists and industry professionals,
- performing calculation tasks,
- business (role) game,
- performance of educational and research work with subsequent discussion of the results of the experiment,
- solving situational tasks,
- interpretation of laboratory work results with preparation of an individual report and its defense before the teacher,
- filling out workbooks for laboratory (practical) classes.

The individual nature of this work contributes to the formation of student independence and the acquisition of knowledge, as well as the formation of skills and abilities in the performance of relevant practical work.

The content and distribution of independent classroom work is determined by the departments and must be developed methodically. It is a mandatory part of the methodological recommendations for laboratory (practical) classes.

The grades received by the student for individual practical classes are taken into account when assigning the final grade in this discipline.

Seminar class

A seminar is a form of classroom activity in which the teacher organizes a discussion around predefined topics for which students prepare abstracts on the basis of individually completed tasks (“assignments”).

Seminars are held in classrooms with one academic group.

The list of topics for seminars is determined by the discipline curriculum.

At each seminar, the teacher grades the essays prepared by the students, their speeches, activity in the discussion, ability to formulate and defend their position, etc. The final grades for each seminar session are recorded in the corresponding journal.

The main functions of the seminar (in order of priority) are:

1. Educative and cognitive - consolidation, expansion, enhancement of knowledge gained in lectures and in the course of students' independent work.

2. Educational - a training method for public speaking, development of skills in selecting and summarizing information.

3. Motivational - encouragement based on the analysis of the state of preparation for more active and purposeful work.

4. Formative - formation of worldview and beliefs, education of independence, courage and scientific research.

5. Monitoring - control over the level of knowledge and quality of independent work. Among all the types of seminars, the most beneficial for the realization of students' creative independence is the creative seminar, during which the teacher organizes discussions, press conferences, debates, and public presentations of the assignments.

The grades received by the student for individual seminars are taken into account when assigning the final grade in this discipline.

Elective courses

These are optional classes organized to deepen and broaden knowledge of certain courses, topics and issues in accordance with the desires and interests of students. Elective courses are additional to the basic body of knowledge, which is determined by the syllabus and curriculum.

Study tour

This is a form of organizing educational work, during which students go to the location of the objects being studied to get acquainted with them directly. These excursions allow to combine the learning process with life to directly familiarize students with objects and environmental phenomena. In the educational system, the excursion performs the following didactic functions:

- implements the principle of demonstrative learning;
- raises the level of science in education and strengthens its links with life and practice
- widens the technical horizon of students;
- plays a significant role in the career guidance work of universities.

Business game

This is the creation of a situation of choice and decision-making in which conditions close to real life are imitated. It involves such roles of participants that allow them to comprehend, experience and master new skills. The game is based on a specific event or phenomenon to be modeled, and it is possible to refer the game time to any period (present, past, future). Usually, a business game is a model of a segment of students' future professional activities. It is an imitation of the managerial, research and pedagogical activities of a teacher or head of a particular institution.

The advantage of business games is that they combine theory and practice, contributing to the formation of professional knowledge and practical skills. Games increase interest in the subject being studied, as they are accompanied by positive emotions.

Methods of activating and intensifying learning.

In order to activate and intensify learning, it is planned to

- digitize the educational process;
- test students' knowledge;
- improve forms and methods of students' independent work.

Individual classes

Individual classes are held with individual students in order to improve the level of their training and reveal their individual creative abilities.

Individual classes are organized according to a separate schedule with taking into account the student's individual curriculum and may cover part or the full scope of classes in one or more academic disciplines, and in some cases - the full scope of classes for a particular educational or qualification level.

Types of individual training sessions, their scope, forms and methods of conduction, forms and methods of regular and final control (except for state certification) are determined by the student's individual curriculum.

Consultation

Consultation is a form of training in which a student receives answers from the teacher to specific questions or explanations of certain theoretical statements or aspects of their practical application.

The consultation can be individual or conducted for a group of students, depending on whether the instructor is advising students on issues related to the completion of individual assignments or on theoretical issues of the discipline.

The amount of time available to a teacher for consultations in a particular discipline is determined by the curriculum.

2) Individual assignments

Individual tasks in certain disciplines are performed by the students independently with the teacher's advice.

Cases of complex topics are allowed to be performed by several students.

3) Independent work of the student

Independent work of a student is the main way of mastering the educational material in the time free from mandatory classes. The study time assigned to the student's independent work is regulated by the working curriculum and is at least 1/3 and no more than 2/3 of the total amount of the student's study time devoted to the study of a particular discipline. The content of independent work of a student on a particular discipline is determined by the discipline curriculum, teaching materials, assignments and instructions of the teacher.

The student's independent work is provided by a system of teaching and methodological tools used for the study of a particular discipline: a textbook, teaching and methodological manuals, lecture notes, a practical training, etc.

Methodological materials for independent work of students provide for the possibility of student's self-control. Relevant scientific and professional monographic and periodical literature is also recommended for independent work.

The student's independent work on mastering the educational material in a particular discipline can be carried out in the library, classrooms, computer classes (laboratories), as well as in non-classroom conditions.

Where necessary, this work is carried out in accordance with a schedule established in advance, which guarantees the possibility of individual student access to the necessary didactic tools. The schedule is communicated to students at the beginning of the current semester.

When organizing students' independent work with the use of complex equipment, systems of access to information (e.g, computer databases, computer-aided design systems, etc.), the possibility of obtaining the necessary advice or assistance from a specialist is presupposed.

The educational material of the discipline provided by the working curriculum for mastering by the student in the process of independent work, is submitted for the final control along with the educational material that was worked out during the training sessions.

4) Practical training of students

Practical training of students is a mandatory component of the educational and professional program for obtaining a qualification level and is aimed at acquiring professional skills and abilities.

Practical training is carried out in the conditions of professional activity under organizational and methodological guidance of the teacher.

The practical training program and the timing of its implementation are determined by the curriculum.

In accordance with the Laws of Ukraine "On Higher Education" of 17.01.2002 No. 2984-III and "On Innovative Activity" of 04.07.2002 No. 40-V, the State Classifier of Occupations DK 003-95, the State Classifier of Economic Activities DK 009-96, the Complex of normative documents for the development of components of the system of higher education standards (Appendix 1 to the Order of the Ministry of Education of Ukraine No. 285 of 31.07.98 as amended by the Order of the Ministry of Education and Science of Ukraine No. 28-p of 05.03.2001) and newly introduced terms, namely

- **the European Credit Transfer and Accumulation System (ECTS)** is a model of organization of educational process, which is based on a combination of two components: credits (credit units) and modular technology of education, and covers the content, forms and means of the educational process, forms of control of student's educational activity in the process of classroom and independent work and the quality of their knowledge and skills

- **the discipline consists of** several credits, the number of which is determined by the content and forms of organization of the educational process.

- **credit** - in accordance with the order of the Ministry of Education and Science of Ukraine (No. 48 of 23.01.2004) - is a unit of measurement of the workload for mastering the content modules of the discipline.

- **module** is a documented, completed part of the educational and professional program (discipline, practice, state certification), which is implemented by the relevant types of student's educational activities (lectures, practical, laboratory, seminar and individual classes, independent

work, practice, control measures). The module is part of the total amount of educational information related to the forms and types of educational and research activities of the student.

- **content module** is a system of educational elements, a logically complete part of theoretical and practical educational material that corresponds to a particular object of study of study; content modules form sections of the discipline; the discipline is formed as a set of closely interrelated content modules provided for mastering during the allotted period of study.

5) Control measures

Control measures include **current** and **final** control.

Grading is one of the final stages of a student's academic activity and determination of learning success. The grading process and methodology have a significant impact on the final results, the possibility of analysis, and the statistical reliability of grades. Therefore, during the grading process, preference is given to standardized methods: testing, written work structured according to the procedure for controlling practical skills in conditions close to real life. In terms of content, it is necessary to assess the level of formation of skills and abilities defined in the educational qualification characteristics and reflected in the curriculum of the corresponding discipline.

Current control is carried out during practical, laboratory and seminar classes and is aimed at checking the level of student's readiness to perform a specific job. The form of current control during classes and the system of knowledge assessment are determined by the relevant department (subject or cycle commission).

The grade for a module is defined as the sum of the grades of current learning activities and the grade of the final module control and is expressed on a multi-point (200 points) scale.

The grade in the discipline is assigned as an average of the grades for the modules into which the discipline is structured.

The European Credit Transfer and Accumulation System (ECTS) of organization of the educational process includes:

- study of disciplines (internships) structured into modules as *a documented logically complete part of the curriculum, implemented through the appropriate forms of organization of the educational process and ending with the final module control;*

- introduction of ECTS credits as a unit of measurement of the student's workload required for mastering the discipline;

Credit includes all types of student work provided for in the approved individual plan: classroom, independent, preparation for state certification, passing the Step 1 and Step 2 integrated licensing exams, a practically oriented state exam, internships, coursework, etc. One ECTS credit is 30 academic hours for the specialties of Medicine, Pediatrics and Dentistry and 36 academic hours for the specialty of Pharmacy.

- absence of examination sessions in the schedule of the educational process, since the student's mastery of each module of the discipline is monitored;

- application of the ECTS grading scale, which is a rating scale and is converted into the system of assessment of student's knowledge, skills and abilities adopted in Ukraine for inclusion in the Diploma supplement.

Module grading

The grade for the module is defined as the sum of the grades of current learning activities (in points) and the grade of the final module control (in points), which is given when assessing theoretical knowledge and practical skills in accordance with the lists defined by the discipline program.

The maximum number of points that a student can score when studying each module is 200, including 120 points for current learning activities and 80 points for the results of the final module control. Thus, the ratio between the results of the assessment of current learning activities and the final module control is selected as 60% to 40%.

Grading of current learning activities

When assessing the mastery of each topic of the practical (seminar) module, the student is given grades on a multi-point scale using the grading criteria for the corresponding discipline adopted by the university and approved by the cycle methodological commission. This takes into account all types of work provided for by the methodological development for the study of the topic of practical (seminar, laboratory) **classes**.

The weight of each topic of a practical (seminar) class within one module should be the same, but may be different for different modules of the same discipline and is determined by the number of topics of practical (seminar) classes in the module.

Forms of assessment of current learning activities should be standardized and include control of theoretical and practical training.

The maximum number of points that a student can score for current learning activities in the study of the module is calculated by multiplying the number of points corresponding to the maximum score for a practical (seminar) class by the number of topics of practical (seminar) classes in the module with the addition of points for individual independent work of the student, but should not exceed 120 points.

The maximum score for a practical (seminar) class in a module is calculated by dividing 120 points by the number of practical (seminar) classes in this module, while practical (seminar) classes that are allocated by the working curriculum for the discipline for the final module control are not included in this calculation.

The minimum number of points that a student must score to be admitted to the final module control or test is calculated by multiplying the number of points corresponding to the minimum positive score for a practical (seminar) lesson by the number of topics of practical (seminar) classes in the module, while practical (seminar) classes that are assigned by the working curriculum for the discipline for the final module control are not included in this calculation.

The minimum positive score for a practical (seminar) class is calculated at the rate of at least **50%** of the maximum score for a practical (seminar) class in the module (depending on how it is defined by the standard curriculum of the discipline).

A student at a practical (seminar) lesson can be evaluated depending on the level of knowledge demonstrated by him/her from 0 points to the maximum score for this lesson.

Students are given the opportunity to retake unsatisfactory current grades within **two weeks** after receiving the current unsatisfactory grade, but no later than the day of the final module control during consultations and practical (seminar) classes according to the regulations approved at the methodological meeting of the department.

The Dean's Office allows a student who has missed classroom classes for a valid reason to work out no more than a month's worth of classes according to an agreed schedule.

Practical (seminar) classes missed without valid reasons, with the permission of the Dean's Office, must be worked out within **2 weeks** (or 1 month for paired classes), **from the date of the missed class** to the day of the final module control.

Make-up of missed practical (seminar) classes is carried out by prior appointment of students according to the approved schedule of the department.

If a student has not worked out the missed classes within 2 weeks (one month) without valid reasons, the issue of permission to work out the missed classes is decided by the head of the department, before the date of the final module control.

The issue of permission for a student to work out the missed classes after the date of the group's final module control is decided only by the Dean's Office. **Acceptance of such work by the department without the permission of the Dean's Office is not allowed.**

Missed lecture classes are worked out by a student according to the regulations approved at the methodological meeting of the department.

A valid reason for an absence is considered to be a reason confirmed by documents (a certificate of illness issued by the diagnostic center of the university clinic, a statement signed by the Dean, an Order of the Dean, etc.). If a student does not have the above mentioned documents, the reason for the absence is considered invalid.

Grading of individual independent work of a student

Points for individual independent work of a student are awarded to a student only if they are successfully completed.

The number of points awarded for different types of individual independent work of a student depends on their volume and significance and is regulated by the discipline curriculum, **but should not exceed 12 points.** They are added to the amount of points gained by the student for the current learning activity.

Grading of independent extracurricular activities (IEA) of students

Independent extracurricular work of students, which is provided for by the discipline curriculum, is evaluated at the relevant practical (seminar) lesson or at the final module control, with the obligatory reflection of the procedure for controlling the independent extracurricular work in the work program of the discipline.

An example of calculating the assessment of students' current performance and the number of points for individual independent work of a student.

Number of classes Grade in points	Points corresponding to grades depending on the different number of topics of practical (seminar) classes in the modules													
	36	30	29	28	27	24	20	19	18	15	10	9	5	4
Maximum score for the class	3	4	4	4	4	5	6	6	6	8	12	13	24	30
Minimum positive score for the class	1	2	2	2	2	3	3	3	3	4	6	6	12	15
Points corresponding to unsatisfactory grade	0	0-1	0-1	0-1	0-1	0-2	0-2	0-2	0-2	0-3	0-5	0-5	0-11	0-14
Number of points for individual independent work	12	0	4	8	12	0	0	6	12	0	0	3	0	0

6.5. Final module control

The final module control is carried out after the completion of the study of all topics of the module in the last or the last two classes, according to the schedule of classes.

Students who have attended all classes presupposed by the curriculum and have scored at least the minimum number of points are allowed to participate in the final module control on the basis of the "Statement of Final Module Control".

Forms of final module control should be standardized and include control of theoretical and practical training.

The regulations for conducting and evaluation criteria for the final module control should be reflected in the discipline curriculum and communicated to students at the beginning of the module.

The maximum number of points that a student can score when passing the final module control is **80**.

The final module test is considered passed if the student scores at least **50** points.

Students who fail the final module control have the right to retake it no more than twice: the first - within **10** days after the completion of the relevant module to a teacher appointed by the Head of the Department, the second - to a commission appointed by the Head of the Department within **10** days after the first retake, and during the winter vacation period, no later than the day classes begin in the spring semester; in the spring semester, no later than **two weeks** after the end of the semester in the 1st-5th years of study in the specialties “Medicine” and “Pediatrics” and 1st-4th years of study in the specialties “Dentistry” and “Pharmacy”.

Within this period, after the 3rd year of study, it is planned to pass the STEP 1 integrated licensing exam.

Schedules of retakes of final module tests, both primary and commission, are submitted by the departments to the Dean's Office two weeks before the start of the final module test.

Students who do not appear for the final module control or for retakes without valid reasons are considered to have received a failing grade.

Students who have received more than two unsatisfactory grades in different disciplines during the semester, the study of which is being completed, or who have not retaken the final module control twice (once to the teacher, the second time to the commission) **are subject to expulsion from the university** (Order of the Ministry of Education and Science of Ukraine No. 161 of 02.06.1993 “On Approval of the Regulation on the Organization of the Educational Process in Higher Education Institutions”).

A positive grade received by a student during the final module control is not retaken.

6.6. Credit

According to the standard curricula, in a number of disciplines, the study of which is carried out in accordance with the credit-module system of organization of the educational process, the form of final control of knowledge is a test.

A test is a form of final control, which consists in assessing the student's mastery of the educational material solely on the basis of the results of certain types of work in practical, seminar or laboratory classes (Order of the Ministry of Education and Science of Ukraine No. 161 of 02.06.1993 “On Approval of the Regulations on the Organization of the Educational Process in Higher Education Institutions”).

6.7. Grading of the discipline

A grade in the discipline is assigned only to students who have passed all modules in the discipline.

If it is provided by the curriculum, a student may receive a grade in the discipline “passed”.

Determination of the number of points a student has earned in a course.

The number of points that a student has scored in the discipline is determined as the average of the number of points in all modules of the discipline (the sum of points for all modules is divided by the number of modules of the discipline).

The objectivity of the assessment of students' learning activities is checked by statistical methods (correlation coefficient between current performance and the results of the final module control).

Conversion of the number of points in the discipline into grades on the ECTS scale and on the four-point (traditional) scale.

Students studying in the same specialty, taking into account the number of points gained in the discipline, are ranked on the ECTS scale as follows:

ECTS grade	Statistical indicator
A	The best 10% of students
B	Next 25% of students
C	Next 30% of students
D	Next 25% of students
E	The last 10% of students

Ranking with the assignment of grades “A”, “B”, “C”, “D”, “E” is carried out for students of this course who are studying in the same specialty and have successfully completed the discipline.

Grades FX, F (“2 (unsatisfactory)”) are assigned to students who fail at least one module in the discipline after completing it.

Students who receive more than two unsatisfactory grades in a semester are subject to expulsion from the university (Order of the Ministry of Education and Science of Ukraine No. 161 of 02.06.1993 “On Approval of the Regulations on the Organization of the Educational Process in Higher Education Institutions”).

The grade FX is assigned to students who have scored the minimum number of points for the current academic activity, but who have not been credited with the final module control.

Grade F is assigned to students who have attended all classroom sessions in the module, but have not scored the minimum number of points for the current learning activities and are not allowed to take the final module test.

The ECTS grade is converted to the traditional four-point scale as follows:

ECTS grade	Grade on a four-point scale
A	5 (excellent)
B, C	4 (good)
D, E	3 (satisfactory)
FX, F	2 (unsatisfactory)

On the basis of the ranking, the ECTS supervisor(s) draw(s) up a Ranking Protocol, which is signed by the Dean and the ECTS supervisor(s) of the faculties in the given specialty.

On the basis of the Ranking Protocol, the department fills out the grade sheet for the discipline, which is returned to the Dean’s Office within a week from the date of receiving the Ranking Protocol. The results of the ranking of students in the discipline are entered in the “Journals of attendance and student progress” (form EN-1), “Journal of student progress in the discipline” (form EN-2), Individual curricula of students and student records.

Specifics of transfer, expulsion, renewal of students and interruption of their studies

1.1. The general procedure for transfer, expulsion, renewal of students and interruption of their studies is defined in the “Regulations on the procedure for transfer, expulsion and renewal of students of higher education institutions”, approved by the Order of the Ministry of Education and Science of Ukraine No. 245 of 15.07.96.

1.2. If the Rector approves the application, the Dean's Office conducts a re-evaluation of the learning outcomes in the disciplines by comparing the number of credits and the volume of

content modules and determines the academic difference in the normative content modules, which should not exceed 10 disciplines.

1.3. A student may interrupt the studies (academic leave, repeated course), according to the procedure for granting academic leave and repeated course, specified in the "Regulations on academic leave and repeated study in higher education institutions" No. 191 of 06.06.96.

1.4. When renewing studies, returning from an academic leave, in case the student did not study according to the credit-module system before interrupting the studies, the re-calculation of grades received before the break in study is carried out as follows:

1.4.1. If the study of the discipline continues:

- then the grades of current academic performance for past semesters are re-calculated, according to academic journals, according to the same scheme as the current classes: on a 4-point (traditional) scale using the evaluation criteria for the relevant discipline adopted by the university and approved by the cycle methodological commission. The grades assigned on the traditional scale are converted into points depending on the number of topics in the module.

- the average grade for the final classes in a certain section of the discipline, which correspond to a certain module in the credit-module system, is re-calculated into points for the final module control as follows:

a) if the average grade for the final classes in a particular section of the discipline is 3.0, then it is re-calculated as 50 points.

b) if the average grade for the final classes in a particular section of the discipline is from 3.01 to 3.50, it is re-calculated as 55 points.

c) if the average grade for the final classes in a particular section of the discipline is from 3.51 to 3.74, it is re-calculated as 60 points.

d) if the average grade for the final classes in a particular section of the discipline is from 3.75 to 4.50, it is re-calculated as 65 points.

e) if the average grade for the final classes in a particular section of the discipline is from 4.51 to 4.74, it is re-calculated as 70 points.

f) if the average grade for the final classes in a particular section of the discipline is from 4.75 to 4.99, it is re-calculated as 75 points.

f) if the average grade for the final classes in a particular section of the discipline is 5.0, it is re-calculated as 80 points.

1.4.2 If the discipline was completed in the last semester, the traditional grade received by the student in the discipline at the exam or differential test is re-calculated as follows:

- grade "3" is re-calculated into the average number of points obtained after ranking in groups D and E by students of the course in which the student is enrolled. The resulting average number of points is converted to letters D or E, respectively, according to the ranking in this category.

- grade "4" is re-calculated into the average number of points obtained after ranking in groups B and C by students of the course in which the student is enrolled. The average number of points obtained is converted into letters B or C, respectively, according to the ranking in this category.

- the grade "5" is recalculated into the average number of points received, after ranking in group A, by students of the course in which the student is enrolled.

1.4.3. If the study of the discipline was completed in previous semesters, and the student received a grade of "passed" in the exam or differential test, then the re-calculation of this grade is carried out as follows

- the current grades received by the student in the course of studying the discipline, according to the data of academic journals, are summed up and the average grade point for the discipline is derived.

- if the average grade point is 4.75 or higher, the student is assigned a grade of “5” for the discipline;

- if the average grade point is from 3.75 to 4.74, the student is assigned a grade of “4” for the discipline.

- if the average grade point is between 2.75 and 3.74, the student is assigned a grade of “3” for the discipline.

The received grades are re-calculated in accordance with paragraph 1.4.2.

If a student does not agree with the grade in a particular discipline that he/she received as a result of the recalculation of his/her current academic performance, he/she has the right to improve his/her academic performance by passing the final module tests provided for in the curriculum for this discipline. In this case, the current grades received by him/her for the previous semesters are re-calculated into the current academic performance according to the same scheme as for the current classes in the credit-module system of education using the assessment criteria for the relevant discipline adopted by the university and approved by the cycle methodological commission. Grades assigned on the traditional scale are converted into points depending on the number of topics in the module.

In case of transfer from other universities, if the student did not study according to the credit-module system before the transfer, the recalculation of traditional grades in the disciplines before the transfer is carried out according to the records of the academic transcript, taking into account the coincidence of the hours completed by the student, according to the paragraph 1.4.2. If a student received a grade of “passed” in an exam or differential test, the recalculation of this grade is carried out in accordance with paragraph 1.4.3 at the place of previous study and is indicated in the supplement to the academic transcript. If the student does not provide the specified supplement to the academic transcript, the grade “passed” is re-calculated into the grade “3 (satisfactory)”, which is further converted into ECTS grades in accordance with paragraph 1.4.2. If a student transfers from another university and did not study under the credit-module system before transfer, he/she has disciplines to continue studying, then the recalculation of his/her current grades into points must be carried out at the previous place of study and indicated in the supplement to the academic transcript in accordance with the above paragraph 1.4.1.

State certification of the student

The state certification of a student is carried out by the State Examination (Qualification) Commission (hereinafter - SEC) after completion of training at a certain educational (qualification) level or its stage in order to establish the actual compliance of the level of educational (qualification) training with the requirements of the educational (qualification) characteristics.

The SEC checks the scientific, theoretical and practical training of graduates, decides on the assignment of the appropriate educational level (qualification), the issuance of a state document on education (qualification), and develops proposals for improving the quality of educational and professional training of specialists in a higher education institution.

The SEC is organized annually and operates during the calendar year. The commission consists of a chairman and members. The chairman of the commission is appointed by the Ministry of Health of Ukraine on the proposal of the Rector from among leading scientists.

The SEC consists of the Rector of the IFNMU, Vice-Rector for Academic or Scientific Work, Dean of the Faculty, Heads of the Departments, Professors, Associate Professors (Lecturers) of the specialized departments. Professors and associate professors (lecturers) of the relevant

departments (subject or cycle commissions) may be involved in the work of the SEC as examiners, if there are no representatives of these departments (subject or cycle commissions) in the commission. In this case, they obtain the rights of members of the commission. The personal structure of the SEC members and examiners is approved by the Rector no later than one month before the start of the commission's work.

The work of the SEC is carried out within the terms provided by the university curriculum. The schedule of the commission is approved by the Rector.

The schedule of the SEC, agreed with the chairman of the commission, is approved by the First Vice-Rector on the basis of the submission of the Dean of the Faculty and is made public no later than one month before the start of the state examinations.

Students who have fulfilled all the requirements of the curriculum are allowed to take state exams.

State examinations are held at an open meeting of the SEC with the participation of at least half of its members with the obligatory presence of the chairman of the commission.

The state examination is conducted as a comprehensive test of students' knowledge of the disciplines provided for in the curriculum.

The duration of state exams should not exceed 6 academic hours per day.

The results of the state exams are announced on the same day after the protocols of the SEC meeting are finalized.

Since 2002, the state certification at Ivano-Frankivsk National Medical University has been conducted in the form of practice-oriented State Final Exam.

The practice-oriented State Final Exam consists of two parts: the state licensed exam "STEP 2" and the practical exam by the patient, in conditions close to professional, solving situational tasks separate for each discipline and revealing knowledge of practical skills and abilities in the classroom.

During the 3rd year of study, students take the Integrated Licensing Exam "Step 1". Students who have not passed "STEP 1", are not allowed to take the licensed exam "STEP 2". Before passing the practice-oriented State Final Exam, students take the integrated licensing exam "STEP 2".

If a student fails the STEP 2 exam, he/she is allowed to take the practice-oriented State Final Exam, but is not awarded the qualification of "Doctor" ("Pharmacist") and is issued an academic certificate. After a positive retake of the STEP 2 exam, the graduate is awarded the qualification of "Doctor" ("Pharmacist") and is issued a state document on education (qualification).

A student who has passed the state exams in accordance with the requirements of the educational and professional training program is assigned an appropriate educational level (qualification) by the decision of the state commission and is issued a state document on education (qualification).

A student who has received final grades of "Excellent" ("A") in at least 75% of all academic disciplines and individual tasks provided for in the curriculum, and in other academic disciplines and individual tasks - grades of "Good" ("B" or "C"), passed state final exams with grades of "Excellent", and also proved in scientific (creative) work, which is confirmed by the recommendation of the department (subject or cycle commission), is issued a document on education (qualification) with honors.

The decision of the SEC on the assessment of knowledge revealed during the state final exam, as well as on the assignment of the appropriate educational level (qualification) to the graduating student and the issuance of a state document on education (qualification) is made by the state commission at a closed meeting by open vote by an ordinary majority of the votes of the

commission members who participated in the meeting. In case of a tie, the chairman's vote is decisive.

A student who receives a failing grade at the state final exam is expelled from the higher education institution and is issued an academic certificate.

A student who fails the state final exam is allowed to retake the state exams within three years after graduation. For students who have not passed state exams for a valid reason (documented), the Rector of the higher education institution may extend the term of study until the next term of the state commission with the passing state exams, respectively, but not more than for one year.

All meetings of the state commission are recorded. The protocols shall include the grades obtained at the state examinations, the questions asked, specific opinions of the commission members, the educational (qualification) level obtained, and the state document on education (qualification) (with or without honors) issued to the student who has graduated from the higher education institution.

Protocols are signed by the chairman and members of the SEC who participated in the meeting. The book of protocols is kept at the university.

Upon completion of the work of the state examination board, the chairman of the board draws up a report and submits it to the Rector of the university.

The report of the chairman of the state examination commission reflects the analysis of the level of training of graduates, characteristics of students' knowledge revealed in state examinations, shortcomings in training in certain disciplines, and recommendations for improving the educational process.

The report of the chairman of the SEC is discussed at the meeting of the Academic Council of Ivano-Frankivsk National Medical University.

IV - GLOSSARY

Glossary of terminology used in the information package:

- **the European Credit Transfer and Accumulation System** (hereinafter - ECTS) is a model of organization of educational process, which is based on a combination of modular teaching technologies and credit educational units (credits);

- **credit** is a unit of measurement of the workload required for mastering content modules or a block of content modules;

- **module** is a documented completed part of an educational and professional program (academic discipline, practice, state certification), which is implemented by the appropriate forms of the educational process;

- **a content module** is a system of educational elements combined on the basis of compliance with a certain educational object.

ECTS

ECTS - European Communiti Course Credit Transfer System - is a credit system that offers a way to measure and compare academic achievements and transfer them from one institution to another. The system originally emerged under the influence of the Erasmus program (1989-1996) and was tested for six years as a pilot scheme involving 145 higher education institutions in all EU and EEC member states. Since the introduction of the Institutional Contract in the Socrates-Erasmus program, all European universities have been able to participate in ECTS. As an effective tool for creating mutual credit and managing academic implementation, the ECTS system supports European mobility. Transferability is created by providing detailed information on the course of study. Important tools used in the operation of ECTS and the management of academic credentials

are presented in the information package, the study agreement and the duplicate of official documents. The possibility of using ECTS in professional training is discussed. More information is available at

<http://europa.eu.int/comm/education/socrates/ects.html#cl>