

EUROPEAN MEDICAL UNIVERSITY

«APPROVED»

First Vice-Rector of EMU

MD, Professor Herman TITOV

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SYLLABUS OF THE EDUCATIONAL DISCIPLINE

«LATIN AND MEDICAL TERMINOLOGY»

Field of Study:	22 "Healthcare"
Specialty:	221 "Dentistry"
Cycle of Higher Education:	Second level of higher education (Master's)
Educational Qualification:	Master of Dentistry
Professional Qualification:	Dentist
Educational Program:	EPP "Dentistry" 2023
Department:	Department of Fundamental Disciplines
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Syllabus Developers:	Associate Professor Andrii Vyselko Lecturer Viktoria Filipenko

Dnipro

2024

1. Status and structure of the discipline

Discipline status	Mandatory
Discipline code in EPP/place of discipline in EPP	EC 3, professional training discipline
Course/semester	1course (1 semester)
Course volume (total number of hours/ number of ECTS credits)	120 hours / 4 ECTS credits
Number of Chapter :	1
Number of content sections	2
Distribution by types of training and hours of study	Practical classes 57 hours Independent work 63 hours
Language of instruction	English
Form of education	Full-time
Type of final control	Differential credit

2. Course Description A brief course annotation, relevance.

"Latin Language and Medical Terminology" is an essential academic discipline that introduces the Latin language and forms the foundation of medical terminology. The study of medical terminology is based on mastering the lexical material of Greek and Latin names for the organs of the human body and various anatomical structures, which allows for understanding and constructing composite and complex terms, including diagnoses. In future professional activities, this ensures the medical practitioner's literacy and facilitates international terminological understanding among specialists.

Prerequisites: The material is based on knowledge from the courses "Ukrainian Language," "Foreign Language," "Biology," "Chemistry," and is also an applied discipline for studying courses such as "Human Anatomy," "Histology, Embryology, Cytology," "Medical Chemistry," "Pathophysiology," "Pathology," "Pharmacology," and clinical disciplines. It integrates with the learning process from departments such as Anatomy, Histology, Biology, General Chemistry, and Pharmacology, to the extent necessary for understanding and mastering the terms of the mentioned disciplines.

Course Purpose and Its Significance for Professional Activity: The goal of teaching the academic discipline "Latin Language and Medical Terminology" is to familiarize students with the basics of the Latin language, assist in developing practical skills and abilities to use professional Latin medical terminology in academic, scientific, and professional activities, and to teach the students the specialized Latin terminology functioning in medicine and related biological sciences, including chemistry. Terminological Latin is essential for the training of specialists who will carry out organizational, expert, and control-analytical activities related to health assessment, protection, and promotion, monitoring health risks and disease prevention, and ensuring the quality of food safety systems.

Post-Requisites: Latin Language and Medical Terminology serves as an applied discipline for the general cycle ("Foreign Language for Professional Purpose," "Philosophy," "Human Anatomy," "Histology, Cytology, and Embryology," "Microbiology, Virology, and Immunology") and for professional-practical training ("Pathophysiology," "Pathomorphology," "Pharmacology"), as well as "Internal Medicine" (including infectious diseases, epidemiology, clinical pharmacology).

3. Learning Outcomes

The program learning outcomes (PLO) correspond to the codes PLO18 and PLO19.

PLO Code	Integrative Learning Outcomes
PLO18	Be aware of and adhere to civil rights, freedoms, and responsibilities in professional activity, and work to enhance general educational and cultural development.
PLO19	Follow the principles of ethics, bioethics, and deontology in professional activities.

Learning Outcomes for the Discipline:

Mastering this discipline ensures the acquisition of the following competencies:

1) Integral Competence: The ability to solve complex tasks and problems in the field of healthcare within the specialty "Dentistry" in professional activity or during the learning process, which involves conducting research and/or implementing innovations, and is characterized by uncertainty in the conditions and requirements.

2) *General Competencies (GC): Corresponding to codes GC 1, GC 2, GC 3, GC 4, GC 6, GC 7, GC 9, GC 10, GC 13, GC 14, GC 15.*

3) Specialized (Professional) Competencies (PC): Corresponding to codes PC1, PC14, PC15.

Code	Characteristics of General Competencies
GC1	Ability for abstract thinking, analysis, and synthesis.
GC2	Knowledge and understanding of the subject area and professional activity.
GC3	Ability to apply knowledge in practical activity.
GC4	Ability to communicate in the state language, both orally and in writing..
GC6	Skills in using information and communication technologies.
GC7	Ability to search, process, and analyze information from various sources..
GC9	Ability to identify, formulate, and solve problems.
GC10	Ability to be critical and self-critical.
GC13	Ability to act socially responsibly and consciously.
GC14	Ability to realize one's rights and obligations as a member of society, understanding the values of a civil (free democratic) society, the need for its sustainable development, the rule of law, and human and citizen rights and freedoms in Ukraine.
GC15	Ability to preserve and multiply moral, cultural, and scientific values, as well as contribute to societal achievements based on understanding the history and patterns of development in the subject area, its place within the broader system of knowledge about nature and society, and societal development, technology, and techniques, while utilizing various types and forms of physical activity for active rest and leading a healthy lifestyle.

Code	Characteristics of Specialized Competencies
SC 1	Ability to collect medical information about the patient and analyze clinical data.
SC 14	Ability to maintain normative medical documentation.

SC 15	Processing of state, social, and medical information.
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4. Course Content Logistics

Section 1: Phonetics; stress; structure of anatomical-histological terms; systematic study of Latin noun and adjective; verb; present and past participles.	1st Semester	Practical Sessions No. 1-18 Themes of IW No. 1-18
Section 2: Medicinal forms; botanical nomenclature; chemical nomenclature; prescription; clinical terminology (structure, terminological elements, Greek-Latin double terms).	1st Semester	Practical Sessions No. 19-37 Themes of IW No. 19-37

Seminar topics

№	Topic name	Hours
1	Phonetics. Alphabet. Classification of vowels and consonants. Diphthongs.	3
2	Digraphs. Letter combinations. Length and shortness of syllables. Stress.	3
3	Definition of the concept of "scientific term". Structure of anatomical-histological terms.	3
4	Grammatical categories of a noun, category of gender, category of number, cases of a noun, characteristics of declensions, dictionary form of a noun, definition of the basis of a noun. Unconfirmed definition and its translation.	3
5	Nouns of the 1st declension. Vocabulary. Greco-Latin equivalents. Greek nouns of the 1st declension. Prepositions governing Accusativus and Ablativus.	3
6	Nouns of the 2nd declension of masculine, neuter gender. Vocabulary. Greco-Latin equivalents of nouns of the 2nd declension. Persistent expressions. Suffixes.	3
7	Grammatical categories of an adjective, division into groups. Systematic study of adjectives of the 1st and 2nd declensions (1st group of Latin adjectives). Vocabulary. Greco-Latin equivalents. Syntactic construction "Agreed definition".	3
8	Adjectives of the 3rd declension (2nd group of Latin adjectives). Greco-Latin equivalents. Agreement of adjectives with nouns of the 1st, 2nd, 3rd declensions. Degrees of comparison of adjectives in medical terminology.	3
9	Nouns of the 3rd declension. Finding the base, types of the base. Nouns of the 3rd declension of masculine gender. Nouns of the 3rd declension of feminine gender. Exceptions. Greco-Latin equivalents. Stable expressions.	3
10	Neuter nouns of the 3rd declension. Greek nouns of the 3rd declension of neuter gender in -ma, -sis. Exceptions. Greco-Latin equivalents. Stable expressions. Vocabulary.	3
11	Study of nouns of the 4th-5th declensions. Exceptions. Vocabulary. Greek-Latin equivalents. Fixed expressions.	3
12	Latin nomenclature of medicinal forms.	3
13	Word-forming elements in the names of medical products.	3
14	The concept of "clinical term". Types of clinical term. Structure of a complex term in Latin. Word formation.	3
15	Analysis of complex terms. Formation of complex terms from given morphemes	3

	and term elements. Latin adjective as a prefix. Greek prefixes. Greek-Latin equivalents.	
16	Formation of terminological names of inflammatory, non-inflammatory and tumor diseases.	3
17	The concept of "diagnosis". Final terminological elements used in clinical terminology. Translation into English/Latin of some diagnoses of the main sections of medicine.	3
18	Translation of terms and diagnoses.	3
19	Final control	3
Total		57

Topics for independent work

№	Topic name	Hours
1	Phonetics. Alphabet. Classification of vowels and consonants. Diphthongs.	3
2	Digraphs. Letter combinations. Length and shortness of syllables. Stress.	3
3	Definition of the concept of "scientific term". Structure of anatomical-histological terms.	3
4	Grammatical categories of a noun, category of gender, category of number, cases of a noun, characteristics of declensions, dictionary form of a noun, definition of the basis of a noun. Unconfirmed definition and its translation.	4
5	Nouns of the 1st declension. Vocabulary. Greco-Latin equivalents. Greek nouns of the 1st declension. Prepositions governing Accusativus and Ablativus.	4
6	Nouns of the 2nd declension of masculine, neuter gender. Vocabulary. Greco-Latin equivalents of nouns of the 2nd declension. Persistent expressions. Suffixes.	4
7	Grammatical categories of an adjective, division into groups. Systematic study of adjectives of the 1st and 2nd declensions (1st group of Latin adjectives). Vocabulary. Greco-Latin equivalents. Syntactic construction "Agreed definition".	4
8	Adjectives of the 3rd declension (2nd group of Latin adjectives). Greco-Latin equivalents. Agreement of adjectives with nouns of the 1st, 2nd, 3rd declensions. Degrees of comparison of adjectives in medical terminology.	3
9	Nouns of the 3rd declension. Finding the base, types of the base. Nouns of the 3rd declension of masculine gender. Nouns of the 3rd declension of feminine gender. Exceptions. Greco-Latin equivalents. Stable expressions.	3
10	Neuter nouns of the 3rd declension. Greek nouns of the 3rd declension of neuter gender in -ma, -sis. Exceptions. Greco-Latin equivalents. Stable expressions. Vocabulary.	3
11	Study of nouns of the 4th-5th declensions. Exceptions. Vocabulary. Greco-Latin equivalents. Stable expressions.	3

12	Latin nomenclature of dosage forms.	4
13	Word-forming elements in the names of medical preparations.	4
14	The concept of "clinical term". Types of clinical term. Structure of a complex term in Latin. Word formation.	4
15	Analysis of complex terms. Formation of complex terms from given morphemes and term elements. Latin adjective as a prefix. Greek prefixes. Greco-Latin equivalents.	3
16	Formation of terminological names of diseases of inflammatory, non-inflammatory and tumor nature.	3
17	The concept of "diagnosis". Final terminological elements used in clinical terminology. Translation into English/Latin of some diagnoses of the main sections of medicine.	4
18	Translation of terms and diagnoses.	4
Total		63

Independent Work of the Student

Independent work includes preparation for practical classes and final control, studying topics for self-directed out-of-auditory work, preparing reports, presentations, and tables. Control over the mastery of topics for independent out-of-auditory work is carried out during classes and at the final control of the discipline.

Individual Work

Individual work involves reviewing scientific literature, preparing overviews of given topics for presentations, conducting scientific-practical research, participating in profile Olympiads, scientific-practical conferences, and competitions of scientific works by students.

Calendar Plan of Practical Classes, Thematic Plan for Independent Out-of-Auditory Work, and Volume and Directions of Individual Work are published on the department's website.

Route to Access Materials:

Website: EMU/Student/Department of Fundamental Disciplines/Educational and Methodical Support of the Department/Latin Language and Medical Terminology or through the link Department of Fundamental Disciplines, discipline "Latin Language and Medical Terminology."

Access to materials is provided from the student's corporate account based on Office365.

5. Forms and Methods of Monitoring Academic Success

Current Control During Practical Classes	Methods: individual oral questioning, structured written work, test tasks with multiple-choice answers.
Control of Mastery of Thematic Section of the Discipline During Intermediate Control Classes	Methods: oral or written questioning, electronic testing, methods of self-control and self-assessment.
Final Semester Control at the End of the 1st Semester	According to the regulations on control measures at EMU (EMU Regulations).

Final Control of the Discipline – Differential Assessment	Methods: pre-examination testing, oral questioning, control of mastery of practical skills (according to the regulations on control measures at EMU).
Diagnostic Tools for Assessing Academic Success	Theoretical questions, tests.

Evaluation Criteria

Knowledge assessment is carried out according to the *Regulations on Control Measures at EMU* (EMU Regulations).

Current Control	On a four-point scale of traditional grading: 5 – "Excellent" 4 – "Good" 3 – "Satisfactory" 2 – "Unsatisfactory"
Control of Practical Skills	On a four-point scale of traditional grading.
Differential Assessment	On a 200-point scale (the average arithmetic score for the semester is converted into points). Passed with the following score: from 120 to 200 points Not passed: less than 120 points (see the grading scale).
Final Control of the Discipline	The final assessment of academic success is carried out after the completion of the discipline and is realized in the form of a differential assessment in the 1st semester.
Discipline Evaluation:	The final grade for the discipline is determined based on the results of ongoing activities and expressed on a four-point scale: ("Excellent", "Good", "Satisfactory", "Unsatisfactory"), a multi-point scale, and ECTS. To be positively assessed in the discipline, the student must score at least 60% of the maximum possible points for the discipline (at least 120 points). The maximum possible score is 200. The number of points that the student earns for ongoing academic activity is determined as the arithmetic average of the points received during the study of the discipline (practical, seminar, laboratory sessions, etc.). The calculated average traditional grade is converted into points according to the conversion scale of traditional grades into rating points. The maximum number of points equals 200.

Correspondence of grades according to the 200-point scale, 4-point (traditional) scale, and ECTS scale

On the 200-point scale	On the 4-point scale
180–200	Excellent
140–179	Good
120–139	Satisfactory
0–119	Unsatisfactory

On the 200-point scale	On the ECTS scale
192–200	A
172–191	B

148–171	C
128–147	D
120–127	E
0–119	F

Policy of the Educational Discipline/Course

The student has the right to receive quality educational services, access to modern scientific and educational information, and qualified advisory assistance during the study of the discipline and mastering practical skills. The department's policy during the provision of educational services is student-centered, based on the regulatory documents of the Ministry of Education and the Ministry of Health of Ukraine, the Statute of EMU, and the procedure for providing educational services, regulated by the *Regulation on the Organization of the Educational Process at EMU* and the principles of academic integrity.

Compliance with EMU Rules and Safety Protocols During Classes

Preparation for Practical Sessions

Students must attend classes on time, without delays. A student who is more than 10 minutes late will not be admitted to the class and must make up for the missed session according to the established procedure.

For practical sessions, students must wear work attire (medical gown, cap). Students without appropriate work attire are not allowed to attend the session. Students must adhere to safety rules during practical sessions and when staying in the department's premises.

During theoretical discussions, students must demonstrate tolerance, politeness, and respect for their colleagues and the lecturer. Workstations must be kept orderly during practical tasks and cleaned after completing the work.

Use of Mobile Phones and Other Electronic Devices

The use of mobile phones and other electronic devices is not allowed during classes, except during distance learning when technically necessary.

Academic Integrity

During the study of the discipline, students must follow the *Regulation on Academic Integrity at EMU* (EMU Regulations). In case of violation of academic integrity norms during ongoing or final assessments, the student will receive a grade of "2" and must make up for the missed work with the lecturer according to the procedure set out in the *Regulation on Control Measures at EMU*.

Absenteeism

Missed classes must be made up according to the procedure outlined in the *Regulation on Control Measures at EMU*. Students must complete testing and provide written or oral answers to questions on the topics of the missed session.

Access to Final Control

The procedure for admission to the final control of the discipline is outlined in the *Regulation on Control Measures* and the *Regulation on the Organization of the Educational Process at EMU*. Students are allowed to the final control if they have no missed and unmade practical sessions or lectures and have received an average grade of at least "3".

Additional Individual Points

Points may be awarded for active participation with the department head, deputy head, or lecturer. These points serve as encouragement and are added once to the total sum of points for ongoing academic performance and the results of the comprehensive exam. The total number of individual points for one student may not exceed 10, and the final total score for the discipline may not exceed 200 points.

Individual tasks include:

1. Writing essays and creating multimedia presentations for reports at department meetings – 3 points;
2. Participation in making tables, graphic structures, and posters from practical sessions – 2 points;
3. Participation in the first stage of the discipline's student Olympiad – 1 point;
4. Participation/prizes in the all-Ukrainian student Olympiad – 7/10 points;
5. Author/co-author of a thesis/article – 2/5 points;
6. Author/co-author of an oral/poster presentation at a scientific conference – 6/3 points;
7. Student-author of a scientific paper accepted for participation or awarded with a diploma of 1st–3rd degree in the Ukrainian competition of student scientific works at the second stage – 8 (participation) or 10 (diploma) points.

Conflict Resolution

In case of misunderstandings or complaints related to the quality of educational services, assessment of knowledge, or other conflicts, the student should first notify the lecturer of their concerns. If the conflict remains unresolved, the student has the right to submit a complaint to the department head according to the *Regulation on the Consideration of Student Appeals at EMU*.

Policy During Distance Learning

The procedure for distance learning is regulated by EMU's regulation. The primary platforms for conducting lessons are Microsoft Teams and Zoom. Information on conducting practical sessions, lectures, make-up work, and consultations during distance learning will be published on the department's webpage (Department of Fundamental Disciplines).

Feedback with the Lecturer

Feedback with the lecturer is provided directly during the class or consultation, or it can be given via email (in case of force majeure situations) during working hours.

Educational Resources

The educational and methodical support of the discipline is published on the department's website (Department of Fundamental Disciplines). Consultations are conducted according to the consultation schedule.

Course and Group Assignment to Lecturers

The schedule and group distribution among lecturers are published on the department's website (Department of Fundamental Disciplines).

Questions for Interim and Final Control of the Discipline

Questions for interim and final control of the discipline are published on the department's website (Department of Fundamental Disciplines).

The syllabus for the course "Latin Language and Medical Terminology" was discussed and approved at the meeting of the Department of Fundamental Disciplines (Protocol No. 1, from "29" August 2024).

Recommended literature:

Main:

1. Smolska L.Yu. Latin language and basics of medical terminology: Textbook for students and lecturers of medical higher educational institutions. 4th edition. Approved by the Ministry of Education and Science Kyiv, 2019. 472 p.

2. Smolska L.Yu, Pylypiv O.H., Sodomora P.A., edited by L.Yu. Smolska. The Latin Language and Medical Terminology Basics: textbook (III—IV a. l.) . 4th edition. Textbook for medical universities, institutes, academies. Approved by the Ministry of Education and Science. Kyiv, 2018. 400 p.
3. Belyaeva O.M. Latin Language for Students of Dental Faculties=Lingua Latina ad Usus Stomatologiae Studentium // Latin language for English-speaking dental students: Textbook for medical universities, institutes, academies Approved by the Ministry of Education and Science. Kyiv, 2018. 488 p.
4. Kiseleva O.G. Latin language and medical terminology (workbook for the workshop). 2020. 132 p., paperback. 3rd edition supplemented and improved. Recommended by the Ministry of Health of Ukraine as a textbook for applicants to higher educational institutions of the Ministry of Health of Ukraine (protocol No. 1 dated 03/24/2016).
5. Kiseleva O.G. Lexical supplement on the discipline "Latin language and medical terminology". 2020. 112 p., paperback. Recommended by the Ministry of Health of Ukraine as a textbook for applicants to higher educational institutions of III-IV levels of accreditation (protocol No. 4 dated 12/16/2015). The stamp was provided by the Ministry of Health of Ukraine.
6. Kiseleva O.G. Lexical minimum in Latin. 2019. 160 p., softcover. Recommended by the Ministry of Health of Ukraine as a textbook for applicants to higher educational institutions of III-IV levels of accreditation (protocol No. 4 dated 12/16/2015). The stamp was provided by the Ministry of Health of Ukraine.

Auxiliary:

1. Kiseleva O.G. Workbook in Latin. 2019. 236 p. Recommended by the Ministry of Health of Ukraine as a textbook for applicants to higher educational institutions of III-IV levels of accreditation (protocol No. 4 dated 12/16/2015). The stamp was provided by the Ministry of Health of Ukraine (letter No. 23-01-9/649 dated 12/24/2015).
2. Zaichenko G.V., Gorchakova N.O., Savchenko N.V., Dyachenko V.Yu., Shumeiko O.V., Kava T.V. Medical Formulation. Textbook for applicants of medical and pharmaceutical specialties, teachers, doctors, pharmacists and pharmacists. Kyiv: Kniga-plus, 2020. 72 p.

Responsible for the course:
Lecturer

Viktoriya FILIPENKO

Head of Department:
ScD, Professor

Svitlana OSTROVSKA