

**Private Higher Educational Institution**

**“INTERNATIONAL ACADEMY of ECOLOGY and MEDICINE”**

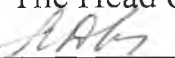
Department of Social Sciences and Humanities

**SYLLABUS**  
**for the course**  
**“Latin Language and Medical Terminology”**

<b>Educational level</b>	Second (master's) level
<b>Educational qualification</b>	Master of Medicine
<b>Field of knowledge</b>	22 Health Care
<b>Specialty</b>	222 Medicine

**Approved on:**  
the meeting of the Department  
of social sciences and humanities

Protocol 1  
Date: 01/09/2020

The Head of the Department  
 PhD, L. Dudarenko

Kyiv 2020

<b>1. General Information</b>	
<b>Course Title</b>	Latin Language and Medical Terminology
<b>Teacher</b>	Olga Yarantseva
<b>Teacher's Phone Number</b>	063 473 74 50
<b>Teacher's Email</b>	o.yarantseva@ukr.net
<b>Course Format</b>	Normative
<b>Scope of Discipline</b>	70 academic hours (practical classes/ workshop); 20 hours (independent work)
<b>Distance Learning Link</b>	
<b>Consultations</b>	Wednesday 2.30 pm – 4.00 pm
<b>2. Summary</b>	
<p>The program of the course “Latin Language and Medical Terminology” is elaborated in accordance with the Standard of higher education of Ukraine, undergraduate training of specialists of the second (master's) level, field of knowledge 22 “Health Protection”, speciality 222 “Medicine”, educational qualification “Master of Medicine”, professional qualification “Medical Doctor”.</p> <p>According to the curriculum, the discipline “Latin Language and Medical Terminology” is studied for 2 semesters and consists of 70 hours of practical classes (36 hours in the first semester and 34 hours in the second semester) and 20 hours for independent work (9 hours in the first semester and 11 hours in the second semester). The topics studied in the first semester are: phonetics; accent; nouns of the 1<sup>st</sup> and 2<sup>nd</sup> declensions; adjectives of the 1<sup>st</sup> group (1<sup>st</sup> and 2<sup>nd</sup> declensions) and 2<sup>nd</sup> group (3<sup>rd</sup> declension); structure of an anatomical and histological term; verb. The topics studied in the second semester are: nouns of the 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> declensions; adjectives; dosage forms; clinical terminology (structure, terminological elements, Graeco-Latin doublets; clinical, chemical, pharmaceutical terminology; prescription (basic information; Latin constituent of the prescription).</p> <p>Studying Latin in a medical higher school is the opportunity to master proper theoretical and practical knowledge, develop logical and associative thinking, improve language skills that are necessary for efficient communication with their colleagues.</p>	
<b>3. Purpose and Objectives</b>	
<p>The purpose of the course “Latin language and Medical Terminology” comprises the objectives of the educational program for graduates of higher education and is determined by the content of the systemic knowledge and skills that must be mastered by a future health protection specialist. The knowledge of the discipline “Latin language and Medical Terminology”, which students acquire, is basic for a number of disciplines that provide humanitarian (language) and professional training.</p> <p>Students who begin to study the discipline “Latin language and Medical Terminology” in higher medical institutions must: master the basics of Latin grammar; gain practical skills of the correct use of anatomical and histological, clinical, and pharmaceutical terms, learn the rules of the Latin constituent of prescription.</p>	
<b>4. Results of Studies (Competencies)</b>	
<p>According to the requirements of the Standard, the course provides the students with the following competencies:</p> <ul style="list-style-type: none"> <li>- Integral: the ability to interpret the meaning and structure of anatomical and histological, clinical, chemical, pharmaceutical terms.</li> <li>- General: <ol style="list-style-type: none"> <li>1. Ability to abstract thinking, analysis and synthesis while studying medical terminology of Greek-and-Latin origin; readiness to learn something new in the field of medicine and health protection.</li> <li>2. Ability to apply the acquired knowledge in professional activities.</li> <li>3. Ability to adapt and willingness to act in a new situation</li> <li>4. Knowledge of the basic elements of Latin grammar, the application of this knowledge in mastering fundamental disciplines and the ability to use them practically.</li> </ol> </li> <li>- Specialized (professional): <ol style="list-style-type: none"> <li>1. Ability to apply the knowledge of Latin in the medical practice.</li> <li>2. Ability to apply knowledge of medical terms of Graeco-Latin origin in the diagnosis and treatment of human diseases.</li> <li>3. Ability to apply the knowledge of the structure of the prescription, in particular the structure of the Latin constituent of the prescription while prescribing drugs to the patient.</li> <li>4. Ability to communicate efficiently with health care professionals from other countries through mastery of international medical terminology of Graeco-Latin origin.</li> </ol> </li> </ul>	

5. Course Organizing					
Course Duration					
Class Format		General Duration			
Lectures		-			
Practical Classes (Workshops)		70 academic hours			
Self-education		20 academic hours			
Course Specifics					
Semester I-II	Specialty "Medicine"	1 <sup>st</sup> year		Normative	
Course Topics					
Topic, Plan	Format	Sources	Tasks	Grading (mark)	Deadline
Module 1					
1. Introduction. Phonetics. Alphabet. Vowels and Consonants. Diphthongs. Letter combinations.	Practical Class (then: workshop)	[1-3]	[1] p. 7-17	3, 4, 5	According to the schedule
2. Long and short syllables. Accent rules.	Workshop	[1-3]	[1] p. 18-20	3, 4, 5	According to the schedule
3. Scientific term. Structure of anatomic and histological terms. A noun: grammar categories, declension, vocabulary form, actual (historical) stem, nominative and genitive cases, uncoordinated attribute.	Workshop	[1-3]	[1] p. 21-25; p. 32-34	3, 4, 5	According to the schedule
4. Noun: 1 <sup>st</sup> declension. Greek noun of the 1 <sup>st</sup> declension. Masculine nouns of the 1 <sup>st</sup> declension.	Workshop	[1-3]	[1] p. 35-38	3, 4, 5	According to the schedule
5. Greek equivalents of the Latin nouns of the 1 <sup>st</sup> declension.	Workshop	[1-3]	[1] p. 36	3, 4, 5	According to the schedule
6. Preposition: prepositions plus Accusativus/Ablativus; prepositions plus Genetivus; <i>in</i> and <i>sub</i> prepositions.	Workshop	[1-3]	[3] p. 73	3, 4, 5	According to the schedule
7. Noun: 2 <sup>nd</sup> declension. Masculine nouns. Gender exclusions. Suffixes.	Workshop	[1-3]	[1] p. 65-68	3, 4, 5	According to the schedule
8. Noun: 2 <sup>nd</sup> declension. Neuter nouns. Greek equivalents of the Latin nouns of the 2 <sup>nd</sup> declension. Stable expressions/idioms.	Workshop	[1-3]	[1] c. 69-73	3, 4, 5	According to the schedule
9. Adjective: 1 <sup>st</sup> group (1 <sup>st</sup> and 2 <sup>nd</sup> declensions).	Workshop	[1-3]	[1] c. 26-28	3, 4, 5	According to the schedule
10. Verb: grammar categories; basic forms; stems. Conjunction. Imperativus mode.	Workshop	[1-3]	[1] p. 39-43	3, 4, 5	According to the schedule
11. Verb: Present Simple Indicative.	Workshop	[1-3]	[1] p. 51-55	3, 4, 5	According to the schedule
12. Verb: Present Simple Subjunctive.	Workshop	[1-3]	[1] p. 56-60	3, 4, 5	According to the schedule

13. Past Participle Passive (PPP)	Workshop	[1-3]	[1] p. 82-85	3, 4, 5	According to the schedule
14. Noun: 3 <sup>rd</sup> declension. Consonant, vowel, mixed types.	Workshop	[1-3]	[1] p. 86-90	3, 4, 5	According to the schedule
15. Noun: 3 <sup>rd</sup> declension. Declining m, f, n nouns.	Workshop	[1-3]	[1] p. 91-109	3, 4, 5	According to the schedule
16. Noun: 3 <sup>rd</sup> declension. Declining of <i>-ema, -oma, -sis</i> nouns. Greek equivalents of the Latin nouns of the 3 <sup>rd</sup> declension.	Workshop	[1-3]	[1] p. 98, 104, 110-114	3, 4, 5	According to the schedule
17. Adjective: 2 <sup>nd</sup> group (3 <sup>rd</sup> declension).	Workshop	[1-3]	[1] p. 117-122	3, 4, 5	According to the schedule
18. Final test #1	Workshop	[1-3]		3, 4, 5	According to the schedule
Module 2					
19. Participle Present Active (PPA).	Workshop	[1-3]	[1] p. 123-125	3, 4, 5	According to the schedule
20. Degrees of comparison of adjectives: positive, comparative, superlative degrees.	Workshop	[1-3]	[2] p. 45-51	3, 4, 5	According to the schedule
21. Irregular degrees of comparison.	Workshop	[1-3]	[2] p. 28	3, 4, 5	According to the schedule
22. Noun: 4 <sup>th</sup> declension. Verbal derivatives. Feminine exclusions.	Workshop	[1-3]	[1] c. 126-131	3, 4, 5	According to the schedule
23. Noun: 5 <sup>th</sup> declension. Exclusions. Idioms including <i>res, rei f.</i>	Workshop	[1-3]	[1] p. 132-135	3, 4, 5	According to the schedule
24. Clinical terminology: 1 <sup>st</sup> and 2 <sup>nd</sup> declensions.	Workshop	[1-3]	[1] p. 61-64, 68, 70-71, 77-79	3, 4, 5	According to the schedule
25. Clinical terminology: 3 <sup>rd</sup> -5 <sup>th</sup> declensions.	Workshop	[1-3]	[1] p. 86, 92, 97-98, 104-107, 118-119, 127-128, 133	3, 4, 5	According to the schedule
26. Chemical terminology.	Workshop	[1-3]	[1] p. 136-148	3, 4, 5	According to the schedule
27. Plant names in botany via nomenclature of drugs.	Workshop	[1-3]	[1] p. 149-151	3, 4, 5	According to the schedule
28. Prescription. General information. Latin constituent.	Workshop	[1-3]	[1] p. 45-50	3, 4, 5	According to the schedule
29. Solid dosage forms.	Workshop	[1-3]	[1] p. 152-162	3, 4, 5	According to the schedule
30. Liquid dosage forms.	Workshop	[1-3]	[1] p. 163-169	3, 4, 5	According to the schedule
31. Semisolid dosage forms.	Workshop	[1-3]	[1] p. 170-175	3, 4, 5	According to the schedule

32. Pharmacy abbreviations. Suffixes and prefixes.	Workshop	[1-3]	[1] p. 152-162	3, 4, 5	According to the schedule
33. Translation of clinical diagnoses into English.	Workshop	[1-3]	[1] p. 98-99; [2] p. 68	3, 4, 5	According to the schedule
34. General review of the course material.	Workshop	[1-3]	[1-3]	3, 4, 5	According to the schedule
35. Final test #2	Workshop	[1-3]		3, 4, 5	According to the schedule

#### 6. Grading System

##### General Course Grading

Current checking is based on the checking of theoretical knowledge, skills and abilities in practical classes (workshops). Student's homework/self-education activities is graded in practical classes and is the component of the final grading. Current checking is carried out during classes and is to verify the level of understanding the topic.

The ways of checking are:

- test tasks that imply only one correct answer;
- test tasks that imply multiple choice;
- individual oral examination, interview;
- doing practical exercises on Latin grammar;
- learning by heart of Latin expressions, in particular those relating to the activities of a physician.

Students' grades ("excellent" – 5, "good" – 4, "satisfactory" – 3, "unsatisfactory" – 2) are displayed in the registers (journals of attendance).

Final checking is carried out in the form of differentiated credit (in written).

Student's work during each practical class (workshop) is evaluated according to traditional grading system, i.e. a student may receive a grade 2, 3, 4, or 5 depending on their productivity during the class. The sum of grades for each lesson is divided into the quantity of classes per module and converted into the number according to *Table 1*.

*Table 1.* Conversion of the average grade into points (for the courses that are completed with a credit)

4-grade scale	200- grade scale	4- grade scale	200- grade scale	4- grade scale	200- grade scale	4-бальная шкала	200- grade scale
5	200	4,47	179	3,94	158	3,42	137
4,97	199	4,45	178	3,92	157	3,4	136
4,95	198	4,42	177	3,89	156	3,37	135
4,92	197	4,4	176	3,87	155	3,35	134
4,9	196	4,37	175	3,84	154	3,32	133
4,87	195	4,35	174	3,82	153	3,3	132
4,85	194	4,32	173	3,79	152	3,27	131
4,82	193	4,3	172	3,77	151	3,25	130
4,8	192	4,27	171	3,74	150	3,22	129
4,77	191	4,24	170	3,72	149	3,2	128
4,75	190	4,22	169	3,7	148	3,17	127
4,72	189	4,19	168	3,67	147	3,15	126
4,7	188	4,17	167	3,65	146	3,12	125
4,67	187	4,14	166	3,62	145	3,1	124
4,65	186	4,12	165	3,6	144	3,07	123
4,62	185	4,09	164	3,57	143	3,05	122
4,6	184	4,07	163	3,55	142	3,02	121
4,57	183	4,04	162	3,52	141	3	120
4,55	182	4,02	161	3,5	140	Under 3	Unsatisfactory
4,52	181	3,99	160	3,47	139		
4,5	180	3,97	159	*3,45	138		

*The highest grade for class work during one module: 120 points.*

The highest grade for class work during one module in order to get a permission to pass the credit: 72 points. The average is rounding to two decimal places, e.g. 4.587 → 4.59.  
 Evaluation of students' independent work. Students' independent work within a class topic is evaluated during the current checking of the topic. The assimilation of topics that are planned for independent work only is checked during the final module control.

**Table 2.** Conversion of the average grade into points (for the courses that are completed with a differentiated credit)

4-grade scale	120-grade scale	4-grade scale	120-grade scale	4-grade scale	120-grade scale	4-бальна шкала	120-grade scale
5	120	4,45	107	3,91	94	3,37	81
4,95	119	4,41	106	3,87	93	3,33	80
4,91	118	4,37	105	3,83	92	3,29	79
4,87	117	4,33	104	3,79	91	3,25	78
4,83	116	4,29	103	3,74	90	3,2	77
4,79	115	4,25	102	3,7	89	3,16	76
4,75	114	4,2	101	3,66	88	3,12	75
4,7	113	4,16	100	3,62	87	3,08	74
4,66	112	4,12	99	3,58	86	3,04	73
4,62	111	4,08	98	3,54	85	3	72
4,58	110	4,04	97	3,49	84	Under 3	Unsatisfact
4,54	109	3,99	96	3,45	83		
4,5	108	3,95	95	3,41	82		

The highest grade for the final control: 80 points.

**Таблица 3.** Grading scale of the differentiated credit

traditional (National) Scale	Point Scale
«5»	70-80
«4»	60-69
«3»	50-59

Final testation grade is considered to be satisfactory if the student scored at least 60% of the maximum quantity of points (for a 200-point scale it is at least 50 points).

The final number of points that the student scored in the course is defined as the sum of points for current learning activities (Table 2) and for the final control/ a differentiated credit (Table 3).

**Final test requirements**  
 The final work is performed as a test (in written). The test includes 40 items that all have only one correct answer. Each correct answer is evaluated up to two points. A student has to choose one of 3-4 options.

**Practical Classes/ Workshops**  
*Module 1*

1. Introduction. Phonetics. Alphabet. Vowels and Consonants. Diphthongs. Letter combinations.
2. Long and short syllables. Accent rules.
3. Scientific term. Structure of anatomic and histological terms. A noun: grammar categories, declension, vocabulary form, actual (historical) stem, nominative and genitive cases, uncoordinated attribute.
4. Noun: 1<sup>st</sup> declension. Greek noun of the 1<sup>st</sup> declension. Masculine nouns of the 1<sup>st</sup> declension.
5. Greek equivalents of the Latin nouns of the 1<sup>st</sup> declension.
6. Preposition: prepositions plus Accusativus/ Ablativus; prepositions plus Genetivus; *in* and *sub* prepositions.
7. Noun: 2<sup>nd</sup> declension. Masculine nouns. Gender exclusions. Suffixes.
8. Noun: 2<sup>nd</sup> declension. Neuter nouns. Greek equivalents of the Latin nouns of the 2<sup>nd</sup>

	declension. Stable expressions/idioms.
9.	Adjective: 1 <sup>st</sup> group (1 <sup>st</sup> and 2 <sup>nd</sup> declensions).
10.	Verb: grammar categories; basic forms; stems. Conjunction. Imperativus mode.
11.	Verb: Present Simple Indicative.
12.	Verb: Present Simple Subjunctive.
13.	Past Participle Passive (PPP)
14.	Noun: 3 <sup>rd</sup> declension. Consonant, vowel, mixed types.
15.	Noun: 3 <sup>rd</sup> declension. Declining m, f, n nouns.
16.	Noun: 3 <sup>rd</sup> declension. Declining of <i>-ema</i> , <i>-oma</i> , <i>-sis</i> nouns. Greek equivalents of the Latin nouns of the 3 <sup>rd</sup> declension.
17.	Adjective: 2 <sup>nd</sup> group (3 <sup>rd</sup> declension).
18.	Final test #1
<i>Module 2</i>	
19.	Participle Present Active (PPA).
20.	Degrees of comparison of adjectives: positive, comparative, superlative degrees.
21.	Irregular degrees of comparison.
22.	Noun: 4 <sup>th</sup> declension. Verbal derivatives. Feminine exclusions.
23.	Noun: 5 <sup>th</sup> declension. Exclusions. Idioms including <i>res</i> , <i>rei f.</i>
24.	Clinical terminology: 1 <sup>st</sup> -2 <sup>nd</sup> declensions.
25.	Clinical terminology: 3 <sup>rd</sup> -5 <sup>th</sup> declensions.
26.	Chemical terminology.
27.	Plant names in botany via nomenclature of drugs.
28.	Prescription. General information. Latin constituent.
29.	Solid dosage forms.
30.	Liquid dosage forms.
31.	Semisolid dosage forms.
32.	Pharmacy abbreviations. Suffixes and prefixes.
33.	Translation of clinical diagnoses into English.
34.	General review of the course material.
35.	Final test #2

#### Classwork

Module 1		Module 2	
	Sum		
Final checking	2-5	Final checking	2-5
Test	2-5	Test	2-5
Work during classes	2-5	Work during classes	2-5
	72-120		72-120
Admission to the final testing (a differentiated credit)	Students who have fully completed the program of the course are admitted to the differentiated test: they have attended all the classes within the curriculum, have no any academic debt; worked out all the grammar matters in theory, performed practical tasks and received at least 72 points for class work, i.e. have grade for each practical class (workshop), and their average grade is at least 3.0).		

#### 7. Course Policy

The educational process is organized in accordance with the European Credit Transfer and Accumulation System (ECTS) in order to evaluate students' productivity. The grades gained during practical classes (workshops) as well as that gained for the independent work and final testing are summarized. Students' both participation and efficiency must be taken into account. Absence and/or being late without a reason is unacceptable. No using a mobile phone, tablet, or other mobile device during the class work (except for that foreseen in the curriculum)! No plagiarism! All the tasks must be done and presented on time.

#### 8. Sources

1. Demchenko O., Zakaluzhnyi. The Latin Language and the Fundamentals of Medical Terminology. – Ternopil: Ukrmedknyha, 2004. – 284 p.
2. Kondratyev D., Vylegzhaniina O., Knyazeva J. Latin and Fundamentals of Medical Terminology. – Hrodno: ГрГМУ, 2005. – 250 p.

**E-sources**

3. TUNING Educational Structures in Europe [Access mode]:

<http://www.unideusto.org/tuningeu/> [ideusto.org/tuningeu/subject-areas.html](http://ideusto.org/tuningeu/subject-areas.html)

4. <http://studway.com.ua/vivchennya-latini/>. – Top 5 resources for studying Latin (Eng).

Teacher  **О.І. Яранцева**