Syllabus
Working Program of the Discipline «Latin language»
Educational Program 6B07201 «Pharmaceutical Production Technology»

1	General Information about the Discipline		
1.1	Course Code: LL 1201	1.6	Academic Year: 2025–2026
1.2	Course Title: Latin Language	1.7	Year: I
1.3	Prerequisites: None	1.8	Semester: 1
1.4	Post-requisites: Processes and Equipment of Chemical-Pharmaceutical Production – I	1.9	Number of Credits (ECTS): 3
1.5	Cycle: General Education (GE)	1.10	Component: Compulsory

2	Course Content (maximum 50 words)
The role of Latin in the formation of pharmaceutical terminology. The use of the Genitive case for designating plant and animal raw materials. Names of dosage forms. Verbs and their derivatives functioning in the terminology of pharmaceutical production.	

3	Forms of Summative Assessment		
3.1	Testing ✓	3.5	Course Paper
3.2	Written Exam	3.6	Essay
3.3	Oral Exam	3.7	Project
3.4	Practical Skills Assessment	3.8	Other (specify)

4	Course Objectives
To develop skills in using Latin vocabulary for the preparation of drafts, labels, and packaging materials for pharmaceutical and medical products.	

5	Learning Outcomes (Course LO)
LO1	Demonstrates knowledge of the goals and objectives of the discipline, rules of reading, spelling, lexical minimums, and the rules of forming pharmaceutical terms and term combinations.
LO2	Applies knowledge of correct reading, writing, and translation of pharmaceutical terms and term combinations.
LO3	Collects and interprets information using artificial intelligence tools and digital platforms to form judgments on explaining the meaning of terms, phrases, and aphorisms, and explains their meanings from the perspective of lexical and grammatical analysis, taking into account social, ethical, and scientific considerations.

5.1	Course LO	Correlation of Course Learning Outcomes with Program Learning Outcomes
	LO1	LO11 – Demonstrates knowledge and understanding of issues in the pharmaceutical industry in relation to other social spheres and legislative requirements; understands modern trends and prospects for the development of the pharmaceutical industry.
	LO2	LO9 Possesses skills for independent, continuous professional self-education and effective communication with different specialists at various levels to solve production tasks.
	LO3	LO**2** Performs collection, processing, and scientifically grounded analysis of information using artificial intelligence tools and digital platforms, provides critical evaluation, and demonstrates the ability to conduct research/experimental work on the implementation of new technologies and equipment in production, as well as on the expansion of the product range.

6	**Detailed Information about the Discipline**					
6.1	Location: South Kazakhstan Medical Academy, Building №3, 2nd floor, Department of Kazakh and Latin Languages. Phone: +7 (7252) 40-82-22 (1088). E-mail: kaz.tili@mail.ru					
6.2	Number of Hours: 90	Lectures	Practical classes	Laboratory classes	IWS&T	SIW
		-	30	-	9	51

7.	Information about Instructors		
№	Full Name	Academic Degree / Position	E-mail
1.	Temirova Aksungkar Yerbolkyzy	Senior Lecturer	temirovaaksunkar481@gmail.com

8. Thematic Plan

Week	Topic	Short Content	Course LO	Hours	Teaching Forms/ Methods/ Technologies	Assessment Methods
1	**Practical class. Topic** Introduction. Contribution of Latin and Ancient Greek to	Latin and Ancient Greek as the treasury of world culture. Letters	LO1	2	Work in small groups,	testing, exercises, oral

	medical and world culture. Phonetics. Latin alphabet. Pronunciation of letters and letter combinations.	and sounds of the Latin alphabet.			phonetic exercises	questioning
	IWS&T. **Consultation on completing SIW. SIW Assignment** Contribution of Latin and Ancient Greek to the development of pharmaceutical terminology and the cultural significance of Latin	Concept of pharmaceutical terminology. The role of Latin and Ancient Greek in forming and developing universal culture and terminology	LO3	1/3	Preparation of an abstract using ChatGPT.	Defense of the abstract
2	**Practical class. Topic** Longitude and brevity of syllables. Accent.	Features of Latin stress. Long and short syllables.	LO1	2	Pair work, spelling exercises	testing, exercises, oral questioning
	IWS&T. **Consultation on completing SIW. SIW Assignment** Term and concept. Terminology and system of concepts. Pharmaceutical terminology as a complex.	Definition of a term, concept. Relationship between terminology and system of concepts. Structure of pharmaceutical terminology.	LO3	-/3	Preparation of an abstract using ChatGPT.	Defense of the abstract
3	**Practical class. Topic** Morphology. Noun. Incongruent attribute.	Grammatical categories of nouns. Dictionary form of nouns. Declension systems and their features. Incongruent attribute.	LO2	2	Pair work, grammatical analysis	testing, exercises, oral questioning

	IWS&T. **Consultation on completing SIW. SIW Assignment** General concepts of word formation. Morphemic analysis and spelling	Word formation and its main concepts. The role of morphemic analysis in consolidating spelling skills.	LO3	1/3	Preparation of an abstract	Defense of the abstract
4	**Practical class. Topic:** Test. Adjective. Two groups of adjectives. Congruent attribute.	Grammatical categories of adjectives. Dictionary form of adjectives. Two groups of adjectives. Declensions. Congruent attribute.	LO 2	2	Work in small groups, grammatical analysis	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Methods of forming trivial names of medicines and existing practice of assigning names to drugs.	Trivial names of medicinal products, methods of their formation.	LO 3	-/3	Preparation of an abstract	Defense of the abstract
5	**Practical class. Topic** Degrees of comparison of adjectives.	Three degrees of comparison of adjectives. Declensions. Adjectives forming degrees of comparison from different stems, their use in terminology.	LO 2	2	Pair work, modeling	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment	The role of Greek prefixes in term formation and their meanings: hypo-,	LO 2	1/3	Orthographic	checking spelling exercises

	Greek prefixes in terms.	hyper-, syn (sym), a(an), etc.			exercises	
6	**Practical class. Topic** Verb. Imperative and subjunctive mood in prescriptions. Verb "fieri". Participles.	Grammatical categories of verbs. Four conjugations. Infinitive. Imperative. Indicative. Subjunctive. Two groups of participles.	LO 3	2	Pair work, modeling	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Greek roots denoting parts of plants with the meanings "sour", "sweet".	Greek roots "anth", "rhiz", "phyll", "oxy", "glyc", etc., and their use in terms.	LO2	-/3	Orthographic exercises	checking spelling exercises
7	**Practical class. Topic** Numerals. Prepositions and conjunctions.	Cardinal and ordinal numerals (1–10, 100–1000). Latin and Greek numerals (up to 15) used as prefixes in terms. Use of prepositions and conjunctions in pharmaceutical expressions.	LO2	2	Pair work, comparative method	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Greek roots with chemical meaning.	Greek roots "aeth", "meth", "phen", "zol", "zin" etc.	LO2	1/3	Orthographic exercises, testing	checking spelling exercises
	Midterm	Review of studied topics. Completion of test tasks.				testing
8	**Practical class. Topic** Names of drug forms.	Definition of dosage form. Types of drug forms.	LO3	2	Work in small groups,	testing, exercises, oral

					comparative method	questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent term elements with the meaning "regulating blood pressure".	Term fragments "tens", "press" etc. and their use in terminology.	LO2	1/3	Orthographic exercises	checking spelling exercises
9	**Practical class. Topic** Syntax of the simple sentence.	Concept of syntax. Syntax of nominal phrases and simple sentences. Use of the verb esse in sentences.	LO 3	2	Pair work, syntactic analysis	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent term elements with the meaning "antibiotics".	Term fragments "ceph", "cillin", "mycin", "cyclin" etc., their use in terminology.	LO 2	-/3	Orthographic exercises	checking spelling exercises
10	**Practical class. Topic** Term Formation and Word Formation. Pharmaceutical nomenclature. Systematic and trivial names of medicines. Common term-forming elements (frequent fragments).	Term and Term Formation. Ways of Word Formation. The Concept of the Nomenclature of Medicinal Products and Its Structure.	LO 2	2	Pair work, modeling	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment	Term fragments "ceph", "cillin", "mycin", "cyclin" etc., their use in terminology.	PO 2	1/3	Orthographic exercises	checking spelling exercises

	Frequent term elements with the meaning "antibiotics".					
11	**Practical class. Topic** Chemical nomenclature.	International Chemical Nomenclature. Names of Chemical Elements, Acids, Oxides, and Salts (Complex Esters). An Overview of the So-Called "Old" Chemical Nomenclature.	LO 2	2	Work in small groups, comparative method	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent word segments with the meaning "analgesics" and "local anesthetics"	Frequent segments "alg", "dol", "cain", "aesthes", etc., and their usage in medical terms.	PO 2	-/3	Orthographic exercises	checking spelling exercises
12	**Practical Lesson. Topic** Botanical Nomenclature. Microbiological Nomenclature.	The concept of scientific botanical nomenclature and microbiological nomenclature. Principles of naming microorganisms.	LO3	2	Work in small groups, comparative method	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent segments with the meaning "hormonal"	Frequent segments "oestr", "stan", "test", etc., and their usage in terms.	LO2	1/2	Orthographic exercises	checking spelling exercises
13	**Practical Lesson. Topic:** Test. Pharmacological Nomenclature. Names	The concept of pharmacological nomenclature. Substantives – names of groups of medicinal	Lo3	2	Pair work, vocabulary	testing, exercises, oral questioning

	of Pharmacological Groups.	products based on their pharmacological action.			dictation	
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent segments with the meaning of "sleep-inducing" and "sedative".	Frequent segments “al”, “atrax”, “somn”, etc., and their usage in terms.	LO2	-/3	Orthographic exercises	checking spelling exercises
14	**Practical Lesson. Topic** General Medical (Pathological, Clinical) Terminology.	Definition of medical terminology and its subsystems. Terminology of pathology and clinical medicine.	LO2	2	Work in small groups, morphemic analysis	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent segments with the meaning "choleretic" and "diuretic".	Frequent segments “chol”, “bil”, “ur”, “ux”, etc., and their usage in terms.	LO2	1/2	Orthographic exercises	checking spelling exercises
15	**Practical Lesson. Topic** Key Suffixes and Prefixes. Greek Terminological Elements.	Word Formation. Concept of Terminological Element. Key Suffixes, Prefixes, and Greek Terminological Elements.	LO2	2	Work in small groups, morphemic analysis	testing, exercises, oral questioning
	IWS&T. Consultation on completing SIW. SIW Assignment Frequent segments with the meaning "diagnostic,	Frequent segments “graph”, “gnost”, etc., and their usage in terms. Tests for final control.	LO2	1/2	Orthographic exercises, testing	checking spelling exercises

	radiopaque." Final control.					
	Midterm	Review of covered topics. Completion of test assignments.				testing
Preparation and conduct of interim assessment.						**9**

9.	**Teaching Methods and Forms of Control**	
9.1	Lecture	-
9.2	Practical classes	Work in small groups, pair work, exercises, oral questioning, grammatical analysis, modeling, comparative method, syntactic analysis, vocabulary dictation, morphemic analysis.
9.3	IWS&T/SIW	Preparation and defense of the report, spelling exercises.
9.4	Final (or Midterm) assessment / test	Testing

10. Assessment Criteria

10.1 Criteria for evaluating learning outcomes of the discipline

№ LO	Learning Outcomes	Unsatisfactory	Unsatisfactory	Good	Excellent
LO1	Demonstrates knowledge of the goals and objectives of the discipline, rules of reading, spelling, lexical minimums, and rules for forming pharmaceutical terms and term combinations.	1) Does not know the goals and objectives of the discipline, rules of reading, spelling; 2) does not know lexical minimums; 3) does not know rules for forming pharmaceutical terms and term combinations.	1) States the goals and objectives of the discipline, explains the rules of reading and spelling; 2) knows 60% of the words in the lexical minimum in their dictionary form; 3) explains the rules for forming pharmaceutical terms and term combinations.	1) Can interpret the goals and objectives of the discipline, rules of reading and writing; 2) knows 80% of the words in the lexical minimum; 3) can explain the rules for forming pharmaceutical terms and term combinations.	1) Fully and deeply understands the goals and objectives of the discipline, rules of reading and writing, and can explain them with well-reasoned arguments; 2) knows 100% of the words in the lexical minimum in dictionary form; 3) has a deep knowledge of the rules for forming pharmaceutical terms and term combinations and can defend their opinions.

LO2	Applies knowledge of correct reading, writing, and translation of pharmaceutical terms and term combinations.	Does not know how to read, write, or translate pharmaceutical terms and term combinations.	Uses acquired knowledge in reading, writing, and translating pharmaceutical terms and term combinations, but makes mistakes.	Reads, writes, and translates pharmaceutical terms and term combinations, can explain the interdependence of words in them, and makes only minor inaccuracies in the process.	Reads, writes, and translates pharmaceutical terms and term combinations, can justify the performance of these actions, analyze and construct terms and term combinations, and creatively argue their opinion.
LO3	Collects and interprets information to form judgments when explaining the meanings of terms, word combinations, and aphorisms, and explains their meanings from the perspective of lexico-grammatical analysis, taking into account social, ethical, and scientific considerations.	Does not collect or interpret information to form judgments when explaining the meanings of terms, word combinations, or aphorisms, nor explains their meanings from the perspective of lexico-grammatical analysis, taking into account social, ethical, and scientific considerations.	Collects information to form judgments when explaining the meanings of terms, word combinations, and aphorisms, and explains their meanings from the perspective of lexico-grammatical analysis, taking into account social, ethical, and scientific considerations, but does not fully interpret the information.	Collects information to form judgments when explaining the meanings of terms, word combinations, and aphorisms from the perspective of lexico-grammatical analysis, taking into account social, ethical, and scientific considerations; interprets the information, but makes minor errors	Carries out a well-reasoned collection and interpretation of information to form judgments when explaining the meanings of terms, word combinations, and aphorisms from the perspective of lexico-grammatical analysis, taking into account social, ethical, and scientific considerations, and expresses their evaluative judgments in the process.

10.2	**Methods and criteria of assessment**	
Checklist for practical session		
Type of Control	**Grade**	**Assessment Criteria**
Oral Questioning	**Excellent** A (4,0; 95-100%); A- (3,67; 90-94%)	-The student made no mistakes or inaccuracies during the answer; -demonstrates understanding of theoretical directions of the discipline; -provides critical evaluation, and applies scientific achievements of other disciplines.
	Good B+ (3,33; 85-89%); B (3,0; 80-84%); B- (2,67; 75-79%). B- (2,33; 70-74%);	-The student made no major mistakes; -corrected minor inaccuracies independently; -managed to systematize the material with the help of the instructor.
	Satisfactory C (2,0; 65-69%); C- (1,67; 60-64%); D+ (1,33; 55-59%) D (1,0; 50-54%)	-The student made inaccuracies and minor mistakes; -relied only on textbooks; - experienced significant difficulties in systematizing the material.
	Unsatisfactory Fx (0,5; 25-49%) F (0; 0-24%)	-The student made fundamental mistakes; -did not study the main literature; -cannot use scientific terminology of the discipline; -and gave answers with major stylistic and logical errors.
Exercises	**Excellent** A (95-100) A- (90-94)	-The student completed all assigned exercises fully, on time, without mistakes; -independently analyzed terms and explained their construction.
	Good B+ (85-89) B (80-84) B-(75-79) C+ (70-74)	-The student completed all exercises fully and on time, without major mistakes; -independently analyzed terms but could not fully explain their construction.
	Satisfactory C (65-69) C- (60-64) D+(55-59) D (50-54)	-The student completed exercises on time without major mistakes but needed the instructor's assistance when analyzing terms.

	Unsatisfactory FX (25-49) F (0-24)	-The student did not complete exercises on time; -made gross mistakes; -could not analyze terms or explain the results of their work.
Checklist for Independent Work of Students (SIW/IWST)		
Type of Assessment	**Grade**	**Evaluation Criteria**
Preparation and Defense of a Term Paper (Essay/Report)	**Excellent** A (95-100) A- (90-94)	-The report is neatly prepared; -submitted on time; -written independently (at least 10 A4 pages); -with no fewer than 5 literary sources used; -Schemes, tables, and illustrations correspond to the topic; -During defense, the student does not read the text but presents it; -answering questions clearly and without mistakes.
	Good B+ (85-89) B (80-84) B-(75-79) C+ (70-74)	-The report is neatly prepared; -submitted on time, written independently (at least 10 A4 pages); -with no fewer than 5 literary sources used; -Schemes, tables, and illustrations correspond to the topic; -During defense, the student presents without reading; -allows minor inaccuracies when answering questions.
	Satisfactory C (65-69) C- (60-64) D+(55-59) D (50-54)	-The report is neatly prepared; -submitted on time; -written independently (at least 10 A4 pages); -with no fewer than 5 literary sources used; -During defense, the student reads the text, answers questions with uncertainty; -makes minor errors.
	Unsatisfactory FX (25-49) F (0-24)	-The report is poorly prepared; -not submitted on time; -written in less than 10 A4 pages; -with fewer than 5 literary sources used; -During defense, the student reads the text; -makes serious mistakes when answering questions; -shows no understanding of the material.

Spelling Exercises	**Excellent** A (95-100) A- (90-94)	-Out of 10 proposed terms, 100% are written correctly; -All terms are given in dictionary form; -The spelling of frequent stems and term elements is observed.
	Good B+ (85-89) B (80-84) B-(75-79) C+ (70-74)	-Out of 10 proposed terms, 80% are written correctly; -All terms are given in dictionary form; -The spelling of frequent stems and term elements is observed.
	Satisfactory C (65-69) C- (60-64) D+(55-59) D (50-54)	-Out of 10 proposed terms, 60% are written correctly; -All terms are given in dictionary form; -The spelling of frequent stems and term elements is observed.
	Unsatisfactory FX (25-49) F (0-24)	-Out of 10 proposed terms, only 40% are written correctly; -Not all terms are given in dictionary form; -The spelling of frequent stems and term elements is not observed.

Checklist for midterm Examination

Testing - assessed according to a multi-point (multi-grade) knowledge evaluation system.

Multigrading System of Knowledge Assessment

Letter Grade	Grade Point (GPA)	Percentage (%)	Traditional Grade
A	4,0	95-100	Excellent
A-	3,67	90-94	
B+	3,33	85-89	Good
B	3,0	80-84	
B-	2,67	75-79	
C+	2,33	70-74	
C	2,0	65-69	Satisfactory
C-	1,67	60-64	
D+	1,33	55-59	
D	1,0	50-54	

F	0	0-49	Unsatisfactory

11. Learning Resources

Electronic resources, including but not limited to: databases, animations, simulators, professional blogs, websites, and other electronic reference materials (e.g., videos, audio recordings, digests).	South Kazakhstan Medical Academy Electronic Library – https://e-lib.skma.edu.kz/genres Republican Interuniversity Electronic Library (RIEL) – http://rmebrk.kz/ Digital Library "Aknurpress" – https://www.aknurpress.kz/ Electronic Library "Epigraph" – http://www.elib.kz/ Epigraph – Multimedia Textbook Portal – https://mbook.kz/ru/index/ IPR SMART Electronic Library System – https://www.iprbookshop.ru/auth Legal Information System "Zan" – https://zan.kz/ru Medline Ultimate (EBSCO) – https://research.ebsco.com/ eBook Medical Collection (EBSCO) – https://research.ebsco.com/).Scopus – https://www.scopus.com/
Electronic textbooks	1. Tsisyk, A. Z. Latin Language and Pharmaceutical Terminology: A Textbook / A. Z. Tsisyk. — Minsk: Republican Institute of Vocational Education (RIPO), 2021. — 339 pages. https://www.iprbookshop.ru/125410. 2. Chernyavsky, M. N. Latin Language and Fundamentals of Medical Terminology [Electronic resource]: textbook. — Electronic text data (16.8 MB). — Moscow: Publisher not specified, 2000. — 1 electronic optical disc (CD-ROM). 3. Tatarenko T.D., Tokpanova A.A., Lissaridi E.K. Latin Language and Basics of Medical Terminology. Test-based Exercises / T.D. Tatarenko, A.A. Tokpanova, E.K. Lissaridi. — Almaty: Evero, 2020. — 112 p. https://elib.kz/ru/search/read_book/2992/
Laboratory/physical resources	
Specialized software programs	-
Journals (electronic journals)	-

Literature	**Main literature:** 1. 1. M.N. Chernyavsky. Latin Language and Basics of Pharmaceutical Terminology. Moscow: Medicina, 2007. – 445 p. 2. Panasenko, Yu. F. Latin Language: Textbook – Moscow: GEOTAR-Media, 2016. **Additional literature:** 1. Chernyavskiy, M. N. Latin Language and Fundamentals of Medical Terminology. – Moscow: Shiko, 2007. 2. Petrova, G. V., & Ermicheva, V. I. Latin Terminology in Medicine: Reference and Study Guide for Medical and Pharmaceutical Students / 2nd ed., revised and expanded. – Moscow: Astrel: AST, 2009. – 222 p. 3. Latin-Russian Dictionary: over 2500 words: dictionary. – Moscow: AST, Astrel, 2006. – 185 p.

12.	**Discipline Policy**

Students must:

Not skip any type of class without a valid reason;

Wear special clothing (lab coats, caps) during classes;

Complete assignments according to the schedule of practical classes and SROP sessions;

Actively participate in discussions during classes held on communication platforms, work well in teams, and provide feedback;

Take part in the department's scientific work;

Follow safety rules, personal hygiene, and maintain cleanliness of the workspace.

If a student misses one SROP session without a valid reason, a penalty of 2.0 points is deducted from their admission rating (for multiple missed SROP sessions, the number of missed sessions is multiplied by 2.0).

Students will not be allowed to take the exam if they have unexcused missed classes, less than 50% attendance rating in the AS "Platonus" system, or if they fail to pass the first or second intermediate control tests.

13.	**Academic policy based on the moral and ethical values of the academy**
1	**Mission** To be a leader in training competitive professionals. **Basic ethical principles** guiding YUKMA in fulfilling its mission: **Principle of High Professionalism of YUKMA Faculty** – continuous improvement of knowledge and skills to provide quality educational services to students at all levels of training.

	Principle of Quality at YUKMA – implementation of Kazakhstan's education modernization concept, focusing on ensuring modern quality education by maintaining its fundamental nature and meeting the current and future needs of individuals, society, and the state. This is achieved through the use of innovative technologies and recent scientific and practical achievements in teaching, research, and consultative-diagnostic work. **Principle of Learning Orientation** – conducting a student-centered learning process with flexible educational program pathways, considering rapidly changing economic conditions and current labor market trends. It aims to create the most effective conditions for students' professional growth, motivation development, learning outcomes monitoring, continuous curriculum updates, and expanding knowledge and competencies necessary for effective professional activity.
2.	Academic Policy: https://clck.ru/3DKpkc

14. Approval and Revision

Date of approval by the Library and Information Center «25» 06 2025y.	Protocol № 7	Head of the Library and Information Center Darbicheva R.I.	Signature
Date of approval by the AC of the EP "Pharmaceutical Production Technology" «11» 06 2025y.	Protocol № 10	Chairperson of the AC of the EP «Pharmaceutical Production Technology» Torlanova B.O.	Signature
Date of approval at the department «13» 05 2025y.	Protocol № 10	Head of Department Ibraeva L.B.	Signature