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METHODOLOGICAL INSTRUCTIONS
on Latin Language and medical terminology
for medical students on preparing for practical lessons
(Module I)

Vinnytsya, 2023

Ministry of Health of Ukraine
National Pirogov Memorial Medical University, Vinnytsya
Department of Latin language and medical terminology

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The manual is to be used by foreign English-speaking medical students of
National Pirogov Memorial Medical University, Vinnytsya. The aim of it
is to optimize the studying process and help the students to make it easier,
better and more effective.

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PREFACE

The manual is to be used for mastering Latin language and medical terminology discipline (Module I) by foreign English-speaking 1-year medical faculty students of National Pirogov Memorial Medical University, Vinnytsya. The aim of it is to optimize the learning process of students within Latin language and medical terminology course and help the students to study it easier and more productive.

Changed to the requirements of the Ukrainian Ministry of Health for medical faculties students Program specialty 222 Medicine, Educational level the second (master's) educational level, EPP Medicine, based on the directions of Bolon Educational System and counting authors' experience and their teaching practice, material of the manual consists of Final Module I and 3 Thematic Modules. Here the basic phonetics and grammar information is given which is applied with anatomical terminology and word-building and takes 45 hours (1,5 credits) long: 32 hours for practical classes and 13 hours for self-study.

Each theme instruction has the following structure:

I. Topic

II. Actuality

III. Theoretical questions

IV. Objectives

V. Practice. Tasks for self-assessment

VI. Exercises

VII. Interactive tasks based on online platform Quizlet

VIII. References (basic, additional, electronic resources)

Methodological instructions consist of much practice (tests and practical exercises, preparing for the Final control – credit test, preparing for the Thematic Modules with the examples of their solution). Also the list of practical skills which are going to be mastered while learning the course is given here. It will be very helpful to the medical students the presence of Thematic plan of practical lessons on Latin language and medical terminology as well as the Final control theoretical questions list. There are 16 topics for classroom study due to the Thematic plan of practical lessons cleared in Manual for helping students to master Module I of Latin language and medical terminology discipline: orthographically and grammatically correctly spell, read and translate Latin medical terms; perform linguistic analysis of multi-word terms; agree adjectives with nouns and decline word-combinations; use Latin aphorisms; fluently use of Latin terms in the study and mastering of special disciplines; solving of situational tasks and practical exercises in phonetics - practical usage of Latin alphabet, the rules of pronunciation; grammar - declension of nouns and adjectives, agreement of adjectives with nouns; making morphologic and syntactic analysis of medical terms for correct translating of them (anatomic and histologic terminology).

The Manual helps students to write down practical exercises, proving their theoretical knowledge; solve terminologically-orientated situational tasks, forming and analyzing compound terms, translating various models of multi-word medical terms and terms – composites; conduct interactive training based on online platform Quizlet.

The manual which is going to be used for classroom work will help to develop professional orientation of medical faculty students – future

physicians, that is one of the most important pedagogical problems of nowadays.

INTRODUCTION

In the general system of physician training, Latin language and medical terminology is one of the general theoretical disciplines. The main task of the course is to teach students to operate with basic professional terminological vocabulary with elements of Latin normative grammar, necessary for work in the specialty "Medicine". The ultimate goal is the ability to competently use Latin (Greek) origin medical terms on practice.

The subject area of the discipline is Latin medical terminology. The main focus of the program which concerns Module I is to acquire linguistic knowledge of the basic medical (anatomical and histological) terminology, the study of which is necessary for the successful mastering of anatomy and histology. The program (Module I) focuses on obtaining basic knowledge main about phonetic features of lexical material, grammatical and word-forming structures of basic medical terms. One of the obligatory aspects of the study of medical Latin terminology is the humanitarian direction, which involves the assimilation of Latin aphorisms which contributes to the education of a comprehensively developed personality with a high cultural and educational level and broad outlook.

The purpose of the discipline "Latin Language and Medical Terminology" is to form a basic knowledge of the professional terminological vocabulary mastering the skills of phonetics, spelling, morphology, normative grammar, elements of Latin syntax and international Latin term formation. The ultimate goal is the ability to correctly and competently use Latin anatomical and histological terms on practice.

While studying the discipline students must acquire ability to solve problems of professional activity or in the learning process, which involves research / innovation and is characterized by uncertainty of conditions and requirements; ability to abstract thinking, analysis and synthesis, the ability to learn and be modernly trained; knowledge and understanding of the subject area and understanding of professional activity; skills in the use of information and communication technologies; ability to search, process and analyze information from various sources; be acquired of fluency in the Latin terminology, used in collecting information about the patient and evaluating the results of laboratory and instrumental studies, medical records, processing of state, social and medical information.

In the process of studying the discipline, a student acquires knowledge, which is necessary for successful mastering of professional training disciplines, namely: "Human Anatomy", "Medical Biology", "Histology, Embryology, Cytology", "Pathophysiology", "Pathanatomy", which involves the integration of teaching with these disciplines and the application of acquired knowledge, skills and abilities in the process of further education and professional activities.

Latin language and medical terminology'

Practical Lessons procedures for the first year students of medical department

For mastering of Latin language and the fundamentals of medical terminology Course the students of medical faculty have one educational year (I and II semesters), 90 hours in the whole: 64 – for practical lessons and 26 – for self-preparing. Due to the Latin language and medical terminology Studying Program, which is ratified by Ministry of Health of Ukraine for Medical Department Students of Medical Universities the Course is divided into two Modules. **Module I** is divided into three thematic modules and takes 45 hours (1,5 credits) long: 32 hours for practical lessons and 13 hours for self-preparing. **Module II** is divided into three thematic modules and takes 45 hours (1,5 credits) long: 32 hours for practical lessons and 13 hours for self-preparing.

Module I *Phonetic, lexical and grammatical providing with mastering of the theme “The structure of anatomic and histologic terms”*

Module II *Lexical and syntactic providing with mastering of the theme “Pharmaceutical terminology”. Lexical providing with mastering of the Clinical terminology*

Rating of students' marks

On each practical lesson the students are giving marks for their knowledge and practical skills according to four – grade (Ukrainian traditional) system which are converted in scores. The final Module control would be available for students who will get at least 72 scores (“satisfactory” for each topic).

The minimal sum of scores for the final Module control is 50 and the maximum is 80.

THEMATIC PLAN
of practical classes on «Latin Language and Medical terminology»
for the 1st-year students of medical department, speciality «Medicine»
(Module I)

№	Theme of the class	Amount of aud. hours
1	Introduction into Latin language and medical terminology course. Phonetics. Latin alphabet. The main rules of pronunciation of vowels, diphthongs, consonants, digraphs, letter-combinations.	2
2	The main Greek roots and prefixes that are often used in medical terminology. The vocabulary form of Latin nouns.	2
3	Phonetics. Stress. The rules of setting stress. Length and brevity of the 2-nd syllable. Introduction into medical terminology; “scientific term”. The structure of anatomical term.	2
4	Morphology. Nouns. Grammatical categories. The vocabulary form of Latin nouns. 5 declensions. The regular case-terminations of 1-5 declensions.	2
5	Morphology. Nouns. Declension of the nouns of 1-5 declensions. Disagreed attribute.	2
6	Morphology. Adjective. Grammatical categories. Vocabulary form. Groups and declensions of adjectives.	2

7	Morphology. Adjective. Agreement of adjectives with nouns. Agreed attribute. Functions of adjectives in anatomical terms.	2
8	Morphology. Adjective. Adjectives of comparative degree in medical terminology. Declension of word combination “noun + adjective”.	2
9	Control of thematic module 1. Morphology. Noun. Third declension, common peculiarities. Nouns of masculine. Exceptions from the rule of gender. Agreement of adjectives with the 3-rd declension male gender nouns. Morphological and syntactic analysis of anatomical terms.	2
10	Morphology. Noun. 3-rd declension. Nouns of feminine. Exceptions from the rule of gender. Agreement of adjectives with the 3-rd declension female gender nouns. Morphological and syntactic analysis of anatomical terms.	2
11	Morphology. Noun. 3-rd declension. Nouns of neuter. Exceptions from the rule of gender. Agreement of adjectives with the 3-rd declension neuter gender nouns. Declension of word combination “noun + adjective”. Morphological and syntactic analysis of anatomical terms.	2
12	Agreement of adjectives and nouns of the third declension.	2

	Declension of word combination “noun + adjective”. Morphological and syntactic analysis of anatomical terms.	
13	Control of thematic module 2. Morphological and syntactic analysis of anatomical terms with different types of attributes. Translation of anatomical terms from Latin into English, from English into Latin. Practical skills of the translation of anatomical terms control. Word- building in medical terminology. Word- building with the prefixes (part I (in, im), part II (ante, pre)).	2
14	Word- building with the prefixes (part III (inter, meso), part IV (retro, re)). Forming of compound terms with the prefixes.	2
15	Structural analysis of the terms. Control of thematic module 3.	2
16	Final control – credit test.	2
	Total	32

The final control theoretical questions list:

Module I Phonetic, lexical and grammatical providing with mastering of the theme “The structure of anatomic and histologic terms”

Thematic module № 1

1. Phonetics.

Latin alphabet.

The main rules of pronunciation of vowels, diphthongs, consonants, digraphs, letter-combinations.

Stress.

The rules of setting stress. Length and brevity of the 2-nd syllable.

2. Morphology. Nouns.

Grammatical categories.

The vocabulary form of Latin nouns.

5 declensions.

The regular case - terminations of 1-5 declensions.

Declension of the nouns of 1-5 declensions.

Disagreed attribute.

Translation of anatomic terms from Latin into English, from English into Latin.

3. Morphology. Adjective.

Grammatical categories.

Groups and declensions of adjectives.

Adjectives of comparative degree in medical terminology.

Agreement of adjectives with nouns.

Agreed attribute.

Declension of word combination “noun + adjective”.

Translation of anatomic terms from Latin into English, from English into Latin.

The main Greek roots and prefixes that are often used in medical terminology.

Thematic module № 2

Morphology. Noun.

Third declension, common peculiarities.

Nouns of masculine.

Exceptions from the rule of gender.

Nouns of feminine.

Exceptions from the rule of gender.

Nouns of neuter.

Exceptions from the rule of gender.

Agreement of adjectives and nouns of the third declension.

Declension of word combination “noun + adjective”.

Translation of anatomic terms from Latin into English, from English into Latin.

Morphological and syntactic analysis of anatomical terms with different types of attributes.

Thematic module №3

Word- building in medical terminology.

Greek prefixes: a-, an-, anti-, dia(di)-, ec-, exo-, ecto-, en(em)-, endo-,
epi-, meso-, meta-, para-, peri-, pro-, syn(sym)-, hyper-,
hypo-.

Latin prefixes: a-, ab(abs)-, ad-, ante-, circum-, con-, de(des)-, dis-,
e(ex)-, extra-, in(im)-, infra-, inter-, intra-, per-, prae-,
pro-, sub-, super-, supra-, trans-, re-, retro-, se-.

Nouns' suffixes: -in-a; -ur-a; -ul, -cul, -ol, -in-um; -ol-um, -or, -io.

Adjectives' suffixes: -in, -os, -al, -ar, -iv, -ic, -i-form, -o-ide.

Forming of compound terms with the prefixes.

Structural analysis of the terms with prefixes.

Latin sayings and aphorisms

Practical skills

- fluent reading of the Latin medical (anatomic and histologic) text
- practical usage of the Latin alphabet while dealing with the dictionary
- correct spelling of the Latin alphabet sounds and Latin medical terms
- practical usage of Greek letter – combinations in the words of Greek origin and their correct spelling in medical terms
- application of the transliteration principles and rules on practice
- operating with lexical material and classificate words due to the declensions correspondingly pointing correct endings
- declension of nouns and adjectives
- agreement of adjectives with nouns, declension of the word-combination “noun + adjective”
- translation from Latin into English and from English into Latin anatomic, histologic terms using received grammar knowledge
- solving independently questions of the analysis of lexical and grammatical material for the correct application of one-word and multi-word terms
- performance of linguistic analysis of multi-word terms
- differentiating the letter combinations which are prefixes of Latin and Greek origin in medical terms, defining their meanings and the meanings of the terms
- correct usage of medical terms with Latin (Greek) prefixes on practice
- automatic apprehension and spelling of the Greek (Latin) origin compound terms

- practical usage of the most often used Latin aphorisms
- conducting interactive training based on online platform Quizlet
- fluently usage of Latin terms in the study and mastering of special disciplines
- demonstrating ability to research, process and analyze information from various linguistic sources

Topic: Introduction into Latin language and medical terminology course. Phonetics. Latin alphabet. The main rules of pronunciation of vowels, diphthongs, consonants, digraphs, letter-combinations.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- phonetics;
- Latin alphabet;
- the main rules of pronunciation of vowels, diphthongs, consonants, digraphs, and letter combinations;
- the vocabulary form of Latin nouns.

Objectives:

- to memorize the Latin alphabet;
- to recognize prosodic peculiarities of Latin terms;
- to learn the application of main pronunciation rules.

At the end of the learning session, a student is expected to:

know:

- the Latin letters (upper and lower case), and their respective pronunciation;
- Greek roots complete with spelling peculiarities and meaning in English;

be able to:

- correctly write and pronounce the Latin letters, diphthongs, digraphs and

letter combinations discussed in the relevant textbook chapter;

- break words into syllables, and identify the quantity of the penult based on phonetic makeup and rules.

Practice:

Tasks for self-assessment

Q1: What is the pronunciation of Latin:

- a) digraphs ph, th, rh, ch;
- b) letter “z”?

S1: a)ph[f], th[t], rh[r], ch[kh];

b)z [z]

Q2: Write the Latin alphabet from A to L

S2: (both upper- and lowercase)

Aa, Bb, Cc, Dd, Ee, Ff, Gg, Hh, Ii, Jj, Kk, Ll

Exercises

Read aloud:

Aorta, vertebra, internus, foramen, genu, nervus, teres, tendo, meatus, fovea, fibra, tuber, rima, mentum, zygoma, tumor, duodenum, durus, fornix, radix, pyramis, regio.

Read aloud, and pay attention to the pronunciation of I and J:

Juniperus, jugum, iater(gr.), vitaminum, junctura, jejunum, linea, iliacus, ligamentum, lamina, medius, major, jugularis.

Read aloud, and pay attention to pronunciation variants of C:

Arcus, cornu, cellula, crista, canalis, costa, collum, cartilago, cavum, facies, musculus, sulcus, cranium, bucca, buccae, scapula, truncus, cauda, caput, clavicula, skeleton, cerebrum, centum, coccyx.

Read aloud, pay attention to pronunciation of S and SS:

Processus, massa, prominens, pars, os, sternum, tuberositas, fossa, angulus, incisura, fissura, spina, sutura, nasalis, temporalis, mesenterium, impressio, basis, petrosus, mucosus, dens.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 1. The Latin Alphabet</i>	https://quizlet.com/_7boodz	
<i>Lesson 1. The Diphthongs</i>	https://quizlet.com/_7bopww	
<i>Lesson 1. The Digraphs</i>	https://quizlet.com/_7boqeq	

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Electronic resources

1. VNMU Library: <http://library.vnmu.edu.ua>
2. Website of the department: [http://www.vnmu.edu.ua/ Department of Foreign Languages with Latin Language and Medical Terminology course](http://www.vnmu.edu.ua/Department_of_Foreign_Languages_with_Latin_Language_and_Medical_Terminology_course)
3. Google Drive:
<https://drive.google.com/drive/folders/120fSSioIXoTmFXkp2nQXWob6d2xrercc?usp=sharing>
4. Ministry of Education and Science of Ukraine [Electronic resource] - Access mode: <http://mon.gov.ua/activity/education/vishha/baza.html>
5. Ministry of Health of Ukraine <https://moz.gov.ua/>
6. Interactive tasks for individual control through the online service Quizlet:
<https://quizlet.com/VictoriaRatova/folders/latin-medical-faculty-i-semester/sets> -1 semester.
7. <http://www.alcuinus.net/ephemeris/medicina.php>

Topic: The main Greek roots and prefixes that are often used in medical terminology. Vocabulary form of Latin nouns.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- the main Greek roots that are often used in medical terminology;
- the main Greek prefixes that are often used in medical terminology;
- vocabulary form of Latin nouns.

Objectives:

- to memorize Greek roots spelled with an ‘y’, develop ability to identify them in compounds;
- to familiarize oneself with the grammatical categories of the Latin noun.

At the end of the learning session, a student is expected to:

know:

- Greek roots complete with spelling peculiarities and meaning in English;
- grammatical categories of the Latin noun (introduction);
- elements constituting the vocabulary form of a Latin noun;

be able to:

- identify Greek prefixes discussed in the textbook chapter;
- identify the stem and declension of Latin nouns.

Practice:

Tasks for self-assessment

Q1: Write down the following roots and prefixes of Greek origin:

fungus; nature; plant; destruction (solution, decomposition); under, below norm.

S1: myc, phys, phyt, lys(lyt), hypo.

Q2: Find out Greek roots and prefixes and give their meanings:

Myorelaxinum, Glycerinum, Amidopyrinum

S2: Myo – muscle, glyc – sweet, pyr – fever.

Q3: Find out the stem and determine declension:

fructus, us m

species, ei f

S3: fructus, us m – IV d., fruct-us

species, ei f – V d., speci-ei

Exercises

Identify Greek roots and prefixes:

example: in Myorelaxinum myo means ‘muscle’



Myorelaxinum, Phenoxyethylpenicillinum, Glycerinum, Amidopyrinum, Diprophyllinum, oxydum, Synoestrolum, Glycyrrhiza, hypotensio, synthesis, hydrolysis, Cyclopropanum, hypoxia, Methylum.

Identify the declension and stem of the following nouns:

example: facies, ei f – Vd., faci-ei

Facies, ei f; pars, partis f; nervus, i m; magister, tri m; sphincter, eris m; plexus, us m, ramus, i m; colon, i n; ligamentum, i n.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 2. ThemainGreekrootsandprefixesthatar eusedinmedical terminology</i>	https://quizlet.com/ 7bow61	
<i>Lesson 2. The Vocabulary Form of Latin Nouns.</i> Lexical minimum p. 22	https://quizlet.com/ 7bq87m	

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5. Ministry of Health of Ukraine <https://moz.gov.ua/>
6. Interactive tasks for individual control through the online service Quizlet:

<https://quizlet.com/VictoriaRatova/folders/latin-medical-faculty-i-semester/sets> -1 semester.

7. <http://www.alcuinus.net/ephemeris/medicina.php>

Topic: Phonetics. Stress. The rules of setting stress. Length and brevity of the 2-nd syllable. Introduction into medical terminology; “scientific term”. The structure of anatomical term.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- phonetics, stress;
- the rules of stress placement;
- length and brevity of the 2-nd syllable;
- the structure of anatomical terms.

Objectives:

- learn stress placement rules;
- to familiarize oneself with the grammatical categories of the Latin noun.

At the end of the learning session, a student is expected to:

know:

- principles of stress placement;
- grammatical categories of the Latin noun (introduction);
- elements constituting the vocabulary form of a Latin noun;

be able to:

- read Latin terms with special attention to pronunciation and stress placement;
- break words into syllables, identify the quantity of the penult based on phonetic makeup and rules;

Practice:

Tasks for self-assessment

Q1: Write down the following roots and prefixes of Greek origin:

fungus; nature; plant; destruction (solution, decomposition); under, below norm.

S1: myc, phys, phyt, lys(lyt), hypo.

Q2: Find out Greek roots and prefixes and give their meanings:

Myorelaxinum, Glycerinum, Amidopyrinum

S2: Myo – muscle, glyc – sweet, pyr – fever.

Q3: Find out the stem and determine declension:

fructus, us m

species, ei f

S3: fructus, us m – IV d., fruct-us

species, ei f – V d., speci-ei

Exercises

1. Read two-syllable words, and put the stress.

Fossa - fossa, pit; collum - neck, ala - wing, pelvis - pelvis, septum - septum, apex - apex, tip; spina - spine, sulcus - sulcus, groove; vomer - vomer, zona - zone, tendo - tendon, tractus - tract, sinus - sinus, sternum - breast bone, jugum - yoke, venter - belly.

2. Define the length and brevity of the last but one syllable, put the stress and explain.

Ligamentum - ligament, fascia - fascia, maxilla - maxilla, upper jaw; articulatio - articulation, gangraena - gangrene, hyoideus - hyoid, tuberculum posterius - posterior tubercle, foramen transversarium - transverse foramen, arcus posterior atlantis - posterior arch of the atlas,

lineae transversae - transverse lines, processus xiphoideus - xiphoid process, ossa digitorum manus - bones of hand fingers, radius - radius, cavum cranii - cranial cavity, patella - kneecap, substantia compacta compact substance, lamina externa - external plate.

3. Put the stress keeping in mind the length and brevity of suffixes.

Os frontale - frontal bone, scapula - scapula, vertebra lumbalis – lumbar vertebra, fovea articularis superior - superior articular fovea, tuberositas sacralis - sacral tuberosity, angulus sterni - sternal angle, sulcus arteriae vertebralis - sulcus of vertebral artery, vertebra thoracica - thoracic vertebra, pediculus arcus vertebrae - pedicle of the arch of a vertebra, os palatinum - palatine bone, squama occipitalis - squamous portion of occipital bone, sulci arteriosi - arterial grooves.

4. Define the length and brevity of the last but one vowel, put the stress.


Foramen caecum - cecal foramen, lamina cribrosa - cribriform plate, suturasphenofrontalis - sphenofrontal suture, ala minor - lesser wing, canalis opticus - optic canal, foramen rotundum - round foramen, incisura parietalis - parietal notch, foramen ovale - oval foramen, margo zygomaticus - zygomatic margin, fissurapetrosquamosa - petrosquamous fissure, sulcus sigmoideus - sigmoid sulcus, crista occipitalis externa - external occipital crest, foveolae granulares - granular pits, lamina perpendicularis - perpendicular plate.

5. Break words into syllables, define the length or brevity of the last but one syllable, and put the stress.

Processus spinosus, arcus vertebrae, processus articularis superior, corpus vertebrae, tuberculum anterius (posterius), costa prima, facies articularis tuberculi costae, facies costalis, ligamentum costotransversarius, crista capitis costae, discus intervertebralis, ligamentum capitis costae radiatum,

nucleus pulposus, membrane atlantooccipitalis posterior, incisurae costales, hiatus aorticus, collumanatomicus musculus cutaneus, pars optica hypothalami.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 3. Phonetics.</i> <i>Stress.</i> Lexical minimum p. 24	https://quizlet.com/7bqajy	
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7. <http://www.alcuinus.net/ephemeris/medicina.php>

Topic: Morphology. Nouns. Grammatical categories. The vocabulary form of Latin nouns. 5 declensions. The regular case-terminations of 1-5 declensions.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- morphology, nouns;
- grammatical categories;
- the vocabulary form of Latin nouns;
- 5 declensions;
- the regular case-terminations of 1-5 declensions;
- declension of the nouns of 1-5 declensions.

Objectives:

- to grasp the concept of grammatical categories of nouns peculiar to the system of the Latin language;
- to memorize declensional paradigms.

At the end of the learning session, a student is expected to:

know:

- the principles governing the declension of the Latin nouns;
- declensional paradigms (aka case terminations);
- the prescribed vocabulary.

be able to:

- apply the aforementioned principles to decline words;
- reproduce memorized vocabulary both in written and oral form.

Practice:

Tasks for self-assessment

Q1: Write case terminations of 1st declension nouns

S1: Nom. Sg. –a; Gen. Sg. – ae; Nom. Pl. –ae; Gen. Pl. – arum.

Q2: Underline the stem and determine declension: sinus, us m; foramen, inis n.

S2: sinus, us m – IV declension, stem: sin-

foramen, inis n – III declension, stem: foramin-

Q3: Provide vocabulary form of the following nouns: wing, angle, duct.

S3: ala, ae f; angulus, i m; ductus, us m.

Exercises

Determine the declension of the following nouns:

example: facies, ei f – Vth

Facies, ei f; pars, partis f; nervus, i m; megister, tri m; sphincter, eris m; plexus, us m; ramus, i m; colon, i n; ligamentum, i n; dens; dentis m; foramen, inis n; tempus, oris n.

Fill in the missing elements of the vocabulary form:

example: concha, ae f – shell

Concha; sulcus, i; septum; aditus, us; ganglion; genu; lingua; porus, i.

Decline the following nouns and translate case forms:

example: ala, ae f – wing (Ist declension)

Nom.Sg. **ala** – a wing

Gen.Sg. **alae** – of a wing


Nom.Pl. **alae** - wings

Gen.Pl. **alarum** – of wings

Ala, ae f; medicus, i m; ligamentum, i n; homo, inis m; foramen, inis n;
arcus, us m; gelu, us n; facies, ei f.

Word of warning! Gender affects declension, therefore is to be reckoned with. Consider declensional differences in the following pairs: medicus-ligamentum, homo – foramen, arcus – gelu.

Interactive tasks based on the online platform Quizlet:

<i>Morphology. Nouns.</i> <i>Grammatical</i> <i>Categories.</i> Lexical minimum p. 30	https://quizlet.com/_7bqd3u	
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Topic: Morphology. Nouns. Declension of the nouns of 1-5 declensions.
Disagreed attribute.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- morphology, nouns;
- grammatical categories;
- the vocabulary form of Latin nouns;
- 5 declensions;
- the regular case terminations of 1-5 declensions;
- declension of the nouns of 1-5 declensions;
- disagreed attribute.

Objectives:

- consolidation of knowledge regarding the system of declensions;
- to gain fluency declining the Latin nouns;
- to grasp the concept of a disagreed attribute and build correspondence patterns between Latin and English to more effectively navigate the syntax of word combinations.

At the end of the learning session, a student is expected to:

know:

- declensional paradigms(1-5, consonant/regular type of declension 3);
- the principle behind the main word-disagreed attribute structures.

be able to:

- perform declension of nouns without looking into the table of terminations;
- correctly translate word combinations that feature syntactic structure main word – disagreed attribute.

Practice:

Tasks for self-assessment

Q1: Underline the stem, determine declension, and decline the following nouns: ramus, i m; facies, ei f.

S1: ramus, i m – II declension, stem: ram-

Nom. Sg. ramus

Gen. Sg. rami

Nom. Pl. rami

Gen. Pl. ramorum

Q2: Give vocabulary forms of the following nouns: crest, sulcus, cavity.

S2: crista, ae f; sulcus, i m; cavitas, atis f.

Q3: Give vocabulary forms of the nouns. Translate into Latin: neck of the rib.

S3: neck – collum, i n; rib – costa, ae f. Translation: collum costae.

Exercises

Underline the stem and determine the declension of the following nouns:

example: dorsum, i n – II declension, stem: dors

cartilago, inis f; dies, ei f; pars, partis f, fovea, ae f; collum, i n; apex, icis m; scapula, ae f; basis, is f.

Form Nom. and Gen. Pl. of the following nouns, translate:

example: musculus, i m(!) – muscle. II declension

Nom. Pl. muscul-i

Gen. Pl. muscul-orum

Musculus, i m – muscle; costa, ae f – rib; ligamentum, i n – ligament; cartilago, inis f – cartilage; regio, onis f – region, area; arcus, us m – arch; genu, us m – knee; facies, ei f – face, surface; radix, icis f – root.

Translate into Latin:

example: neck of the rib

vocab. forms: collum, i n – neck, costa, ae f – rib.

Translation: collum costae.

Neck **of** the rib; crest **of** the neck of the rib; base **of** the skull; incisure **of** the scapula; arch **of** the vertebra; body **of** the tongue; root **of** the tooth; angle **of** the rib; articulation(joint) **of** the knee; tubercle **of** the upper jaw.

Decline the following nouns:

example: tuberculum, i n – II declension

Nom. Sg. tuberculum


Gen. Sg. tubercul-i

Nom. Pl. tubercul-a (n!)

Gen. Pl. tubercul-orum

tuberculum, i n; ramus, i m; sulcus, i m; fossa, ae f; margo, inis m; pars, partis f; foramen, inis n; processus, us m; genu, us n; facies, ei f.

Interactive tasks based on the online platform Quizlet:

<i>Morphology. Nouns.</i> <i>Declension of the 1-5 declensions nouns.</i> Lexical minimum p. 35	https://quizlet.com/7bqg24	
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Topic: Morphology. Adjective. Grammatical categories. Vocabulary form. Groups and declensions of adjectives.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- adjective;
- grammatical categories;
- vocabulary form;
- groups and declensions of adjectives.

Objectives:

- to familiarize oneself with the structure of vocabulary form of Latin adjectives;
- to grasp and navigate grammatical categories peculiar to the Latin adjective;
- to practice declension of adjectives.

At the end of the learning session, a student is expected to:

know:

- what elements constitute vocabulary form of the Latin adjective and use that knowledge to inflect words;
- the principles governing the declension of adjectives.

be able to:

- recognize the formal difference between a noun and adjectival vocabulary forms;
- identify group, declension, and stem of any given adjective;
- decline adjectives.

Practice:

Tasks for self-assessment

Q1: Determine gender, declension and group of the adjective.

Find out its stem, decline in writing:

flavus, a, um

S1: Group 1, Stem – flav-; flavus – m2, flava – f1, flavum – n2.

Nom. Sg.	Flavus	<u>flava</u>	flavum
Gen.Sg.	Flavi	flavae	flavi
Nom.Pl.	Flavi	flavae	flava
Gen.Pl.	Flavorum	flavarum	flavorum

Q2: Write down the vocabulary form of the following words:

a) right

thyroid

alate

mandibular

b) nose

S2. a) dexter, tra, trum

thyroideus, a, um

alaris, e

mandibularis, e

b) nasus, i m

Exercises

Fill in the missing elements of vocabulary form; indicate the group, gender and declension of each adjectival form; underline the stem:

example: transversus

Ist gr., m, II d., Ist gr., f, I d., Ist gr., n, II d.

transversus, a, um (*gr.* stands for 'group', *m* – masculine, *f* – feminine, *n* – neuter, *d* for 'declension')

cervicalis, spinalis, latus, costalis, zygomaticus, longus, palatinus, frontalis, nutricius, ethmoidalis, articularis, ovalis.


Reconstruct vocabulary forms of the following adjectives, decline :

example: thoracicus: thoracicus, a, um

	<i>II decl., m</i>	<i>I decl., f</i>	<i>II decl., n</i>
Nom.Sg.	<i>Thoracicus</i>	<u><i>thoracica</i></u>	<i>thoracicum</i>
Gen.Sg.	<i>Thoracici</i>	<i>thoracicae</i>	<i>thoracici</i>
Nom.Pl.	<i>Thoracici</i>	<i>thoracicae</i>	<i>thoracica</i>
Gen.Pl.	<i>thoracicorum</i>	<i>thoracicarum</i>	<i>thoracicorum</i>

Thoracicus, occipitalis, triceps, pterygoideus, jugularis, parietalis, temporalis, biceps, sinister.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 6. Morphology.</i> <i>Adjectives.</i> Lexical minimum p. 41	https://quizlet.com/_7bqjpf	
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Topic: Morphology. Adjective. Agreement of adjectives with nouns. Agreed attribute. Functions of adjectives in anatomical terms.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- adjective;
- grammatical categories;
- vocabulary form;
- agreement of adjectives with nouns;
- agreed attribute;
- functions of adjectives in anatomical terms.

Objectives:

- to look into the new syntactic pattern, namely ‘main word’ – ‘agreed attribute’ and understand its inner workings;
- to learn the principles of adjective-noun agreement;
- to produce adequate translations from English into Latin and vice versa.

At the end of the learning session, a student is expected to:

know:

- the principles of the adjective-noun agreement.

be able to:

- correctly perform adjective-noun agreement;
- translate terms featuring noun-adjective structures.

Practice:

Tasks for self-assessment

Q1: Determine gender, declension and group of the adjective. Underline the stem, decline: niger, gra, grum

S1: niger^{Ist group, II decl., m}, gra^{Ist group, I decl., f}, grum^{I group, II decl., n}, stem: nigr-a

Nom. Sg	Niger	<u>nigra</u>	nigrum
Gen. Sg.	Nigri	nigrae	nigri
Nom. Pl.	Nigri	nigrae	nigra
Gen. Pl.	Nigrorum	nigrarum	nigrorum

Q2: Vocab (Lesson 6,7)

Q3: Give the vocabulary form of each word. Agree adjective with the noun: zygomatic bone.

S3: zygomatic bone

Bone – os, ossis **n**, zygomatic – zygomaticus^m, a^f, **um**ⁿ → os zygomaticum

Q4: Determine gender, declension and underline stem. Decline: ductus hepaticus

S4: ductus^{m, IV decl} hepaticus^{m, II decl}

Nom. Sg.	ductus	hepaticus
Gen. Sg.	duct-us	hepatic-i
Nom. Pl.	ductus	hepatici
Gen. Pl.	ductuum	hepaticorum

Exercises

Agree adjectives with nouns, put terms into Gen.Sg.

example: protuberantia, ae f/ occipitalis^{m/f}, eⁿ; externus^m, a^f, umⁿ

Nom. Sg. protuberantia occipitalis externa

Gen.Sg. protuberantiae occipitalis externae

facies, ei f/ articularis, e; carpeus, a, um;

foramen, inis n/ occipitalis, e; magnus, a, um;

musculus, i m/ intercostalis, e; externus, a, um;

ligamentum, i n/ sacrococcygeus, a, um; dorsalis, e; profundus, a, um;

ductus, us m/ hepaticus, a, um; communis, e;

substantia, ae f/ albus, a, um; niger, gra, grum.

Translate the following terms into English and give the vocabulary form of each word:

*example: musculus transversus: musculus, i m - muscle; transversus, a, um
– transversal → transverse muscle*

concha auricularis, sinus frontalis, nervus facialis, fascia cervicalis,
ligamentum teres, os longum/breve



Give the vocabulary form of each word and agree adjectives with nouns :

example: articular(process, tubercle)

*processus, us m - process; tuberculum, in- tubercle; articularis^{m/f}, eⁿ -
articular → processu articularis – articular process, tuberculum articulare
– articular tubercle.*

Vertebral (canal, foramen, incisure); zygomatic (arch, bone); transversal (sulcus, ligament, line); palatal (bone, sulcus, process).

Interactive tasks based on the online platform Quizlet:

<i>Lesson 6. Morphology.</i> <i>Adjectives.</i> Lexical minimum p. 41	https://quizlet.com/_7bqjpf	
<i>Lesson 7. Morphology.</i> <i>Adjectives.</i> <i>Agreed attribute.</i> Lexical minimum p. 47	https://quizlet.com/_7br0fd	

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Topic: Morphology. Adjective. Adjectives of comparative degree in medical terminology. Declension of word combination “noun + adjective”.
Preparing for control of thematic module № 1.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- Adjective.
- Adjectives of comparative degree in medical terminology.
- Declension of word combination “noun + adjective”.

Objectives:

- to consolidate knowledge regarding the system of the Latin adjective;
- to familiarize oneself with the concept of degrees of comparison;
- to revise the previously covered material for the upcoming module test.

At the end of the learning session, a student is expected to:

know:

- the principles of forming comparative degree of adjectives;
- irregular, so-called suppletive forms of comparative degree discussed in the relevant chapter of the textbook;
- declensional peculiarities of comparative forms of adjectives;

be able to:

- identify adjectives of comparative degree;

- correctly inflect adjectives of comparative degree;
- be able to form the comparative degree of regular adjectives.

Practice:

Tasks for self-assessment

Q1:

Determine gender, declension and group of the adjective. Find out its stem, decline in writing:

flavus, a, um

S1:

Flavus^{m2}, a^{f1}, umⁿ² – I group

Stem: flav-a

Nom. Sg.	Flavus	<u>flav</u> -a	flavum
Gen. Sg.	Flavi	flavae	flavi
Nom.Pl.	Flavi	flavae	flava
Gen.Pl.	Flavorum	flavarum	flavorum

Q/S2: Write down the vocabulary form of the following words:

a. Right – **dexter, tra, trum**

Thyroid – **thyroideus, a, um**

Alate – **alaris, e**

Mandibular – **mandibularis, e**

b. Nose – **nasus, i m**

Exercises

Underline the stem in the following adjectives and translate:

example: antarius; stem: anterior, translation: anterior

superior, inferior, minus, majus, anterior, posterior, inferius, posterius, superius, minor, major

Agree adjectives with nouns, decline word combinations:

example: posterior (arch, surface, ligament)

arcus, us m; facies, ei f; ligamentum, i n; posterior^{m/f}, iusⁿ

Nom.Sg.	<i>arcus posterior</i>	<i>facies posterior</i>	<i>ligamentum posterius</i>
Gen.Sg.	<i>arcus posterioris</i>	<i>faciei posterioris</i>	<i>ligamenti posterioris</i>
Nom.Pl.	<i>arcus posteriores</i>	<i>facies posteriores</i>	<i>ligamenta posteriora</i>
Gen.Pl.	<i>arcuum</i>	<i>facierum</i>	<i>ligamentorum</i>
	<i>posteriorum</i>	<i>posteriorum</i>	<i>posteriorum</i>

Upper (process, notch, foramen), greater (groove, wing, horn), lower (sinus, spine, muscle).

Agree adjectives with nouns, decline the word combinations:


example: anterior tubercle

Tuberculum, i n; anterior^{m/f}, iusⁿ

Nom. Sg.	<i>tuberculum</i>	<i>anterius</i>
Gen.Sg.	<i>tubercul-i</i>	<i>anterior-is</i>
Nom. Pl.	<i>tubercula</i>	<i>anteriora</i>
Gen. Pl.	<i>tuberculorum</i>	<i>anteriorum</i>

Hepatic duct, frontal sinus, posterior arch, thoracic vertebra, upper process, cervical fascia, articular surface, auricular concha, big foramen, transverse muscle, facial nerve, zygomatic bone.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 8. Adjectives of comparative degree.</i>	https://quizlet.com/_7br4qh	
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Topic: Morphology. Noun. Third declension, common peculiarities. Nouns of masculine. Exceptions from the rule of gender. Agreement of adjectives with the 3-rd declension male gender nouns. Morphological and syntactic analysis of anatomical terms.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- morphology, noun;
- third declension, common peculiarities;
- nouns of masculine;
- exceptions from the rule of gender;
- agreement of adjectives with the 3-rd declension male gender nouns;
- morphological and syntactic analysis of anatomical terms.

Objectives:

- to deepen one's understanding of the 3d declension, its types and peculiarities.

At the end of the learning session, a student is expected to:

know:

- regular Nom.Sg. terminations allowing one to identify certain nouns as being of masculine gender;
- exceptions from the rule;

- terminations peculiar to the so-called consonant, vowel and mixed types;

be able to:

- identify 3declension nouns of masculine gender;
- apply a relevant type of paradigm when declining.

Practice:

Tasks for self-assessment

Q1. Write down the terminations of the 3-rd declension nouns of masculine in

Nom.sing.

S1: o, or, os, er, es, ex, en

Q2. Translate. Give the vocabulary form of each word :

- a) pulmo sinister
- b) tip of the heart

S2: a) pulmo, onis m – lung; sinister, tra, trum – left. Translation: left lung;

b) tip – apex, icis m; heart – cor, cordis n. Translation: apex cordis.

Q/ S3. Write down the vocabulary form of the following nouns:

1. cortex – cortex, icis m
2. thumb – pollex, icis m
3. kidney – ren, renis m

Exercises

Write vocabulary forms for each word and translate the following terms:

example: pulmo dexter – right lung

pulmo, onis m – lung; dexter, tra, trum – right.

Apex pulmonis dextri, paries mastoideus, os hyoideum, tuber parietale, atrium cordis.



Write vocabulary forms for each word and translate the following terms:

example: cerebral cortex – cortex cerebri

Cortex, icis m – cortex; cerebrum, i n – cerebrum.

Greater trochanter, tip of the heart, notch of the heart tip, frontal tuber, zygomatic process of the temporal bone.

Interactive tasks based on the online platform Quizlet:

<i>Lesson 9. The exceptions from the nouns of the 3-rd declension masculine gender.</i>	https://quizlet.com/_7br8fh	
<i>Lesson 9. Nouns of the 3-rd declension masculine gender.</i>	https://quizlet.com/_7bra4a	

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Topic: Morphology. Noun. 3-rd declension. Nouns of feminine. Exceptions from the rule of gender. Agreement of adjectives with the 3-rd declension female gender nouns. Morphological and syntactic analysis of anatomical terms.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- noun, 3-rd declension;
- nouns of feminine;
- exceptions from the rule of gender;
- agreement of adjectives with the 3-rd declension female gender nouns;
- morphological and syntactic analysis of anatomical terms.

Objectives:

- to deepen one's understanding of the 3d declension, its types and peculiarities.

At the end of the learning session, a student is expected to:

know:

- regular Nom.Sg. terminations allowing one to identify certain nouns as being of feminine gender;
- exceptions from the rule;

be able to:

- identify 3declension nouns of feminine gender;

- correctly decline nouns of feminine gender.

Practice:

Tasks for self-assessment

Q1. Write down the terminations of the 3rd declension nouns of feminine in Nom.sing.

S1: do, go, io, s, x

Q2. Translate. Give the vocabulary form of each word :

a) regio thoracis posterior

S2.a) regio, onis f – region; thorax, acis m – chest, thorax; posterior, ius – posterior. Translation: posterior region of the chest.

b) tympanic cavity

c) tympanic – tympanicus, a, um; cavity – cavitas, atis f

Translation: cavitas tympanica.

Q/S 3. Write down the vocabulary form of the following nouns:

1. Impression – impressio, onis f

2. Neck – cervix, icis f

3. Base – basis, is f

Exercises

Supply vocabulary forms of words and translate the following terms:

example: regio cervicis anterior

Regio, onis f – region; cervix, icis f – neck; anterior, ius – anterior.

Translation: anterior region of the neck.

Pars thoracica aortae, pelvis major, vas lymphaticum superficiale, margo dexter cordis, vas capillare, basis cranii.

Supply vocabulary forms of words, agree adjectives with nouns and decline terms to Gen.Sg.

example:



Ear (internal, middle, external)

Vocabulary forms: ear – auris, is f; internal – internus, a, um; middle – medius, a, um; external – externus, a, um

<i>Nom. Sg.</i>	<i>auris</i>	<i>interna</i>	<i>Media</i>	<i>externa</i>
<i>Gen. Sg.</i>	<i>auris</i>	<i>internae</i>	<i>Mediae</i>	<i>externae</i>

Cavity (pleural, tympanic, articular); tuberosity (deltoid, pterygoid, masticatory, iliac); part (petrosal, medial, parietal, upper, anterior, right, left, osteal, deep, lateral, lumbal, sternal, cardiac, pyloric, spongy); cartilage (pterygoid, costal, alate, articular).

Interactive tasks based on the online platform Quizlet:

<i>Lesson 10. The exceptions from the nouns of the 3-rd declension feminine gender.</i>	https://quizlet.com/7breg5	
<i>Lesson 10. Nouns of the 3-rd declension feminine gender. Lexical minimum p. 67</i>	https://quizlet.com/7brg0p	

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Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- 3rd declension nouns;
- neuter nouns;
- exceptions from the rule of gender;
- agreement of adjectives with 3rd declension neuter gender nouns;
- declension of “noun + adjective” word combination;
- morphological and syntactic analysis of anatomical terms;

Objectives:

- to deepen one’s understanding of the 3d declension, its types and peculiarities;
- to master the application of declensional types;
- to practice adjective-noun agreement;
- revision of the material in the course of preparation for the upcoming module test.

At the end of the learning session, a student is expected to:

know:

- regular Nom.Sg. terminations allowing one to identify certain nouns as being of the neuter gender;
- exceptions from the rule;
- consonant, mixed and vowel types and their constitutional features;
- how to identify the gender of any given 3d noun;
- principles governing declension of word combinations with nouns of the 3d declension;

be able to:

- identify 3declension nouns of the neuter gender;
- apply a relevant type of paradigm to decline such nouns;
- identify the gender of any given noun;
- correctly perform adjective-noun agreement;
- identify declensional type;
- apply proper declensional paradigm when inflecting words.

Practice:

Tasks for self-assessment:

Part 1

Q1. Write down the terminations of the 3-rd declension nouns of neuter in Nom.sing.

S1.c, l, e, men, t, al, ma, ur, ar, us

Q/ S2. Translate. Give the vocabulary form of each word :

a) systema lymphaticum

S. systema, atis n – system; lymphaticus, a, um – lymphatic.

Translation: lymphatic system.

b) big foramen

S. big – magnus, a, um – big; foramen – foramen, inis n.

Translation: foramen magnum.

Q/S 3. Write down the vocabulary form of the following nouns:

1. breast – pectus, oris n

2. glome – glomus, eris n

3. limb – crus, cruris n

Part 2

For **Q1** revise terminations of nouns of masculine, feminine and neuter genders in Nom.Sg.

For **Q2** revise exceptions in vocabulary form.

Q3(p.81-82)

Assign gender marker to the following words:

Sample solution: glomus, eris **n**(the word is distinctly neuter, since Nom.Sg of the word, namely glomus, features termination –us, peculiar to nouns of neuter gender)

Q4(p. 82-83)

Write words in vocabulary form and translate the following terms into

English:

Sample solution:

Pars thoracica aortae

Pars, partis f – part; thoracicus, a, um – thoracic; aorta, ae f – aorta.

Translation: thoracic part of the aorta.

Q5(p.85-87)

Write words in vocab form and translate the following terms into Latin:

Sample solution:

Tip of the nose

Tip – apex, icis m ; nose – nasus, i m.

Translation: apex nasi.

Exercises

Write vocabulary form of words and translate the following terms:

example:

Foramen palatinum majus

Vocabulary forms: foramen, inis n – foramen; palatinus, a, um – palatal; major, majus – greater. Translation: greater palatal foramen.

Tegmen tympani, cavitas abdominis, lobus hepatis dexter, musculus longus capitis, corpus vertebrae, crus osseum simplex.

Write words in the vocabulary form, agree adjectives with nouns and decline word combinations to Gen.Sg.


example:

Head (long, short)

Head – caput, itis n; long – longus, a, um; short – brevis, e

<i>Nom. Sg.</i>	<i>Caput</i>	<i>longum</i>	<i>Breve</i>
<i>Gen. Sg</i>	<i>Capitis</i>	<i>longi</i>	<i>Brevis</i>

Interactive tasks based on the online platform Quizlet:

<i>Lesson 11. Nouns of the 3-rd declension neuter.</i> Lexical minimum p. 76	https://quizlet.com/_7brm9f	
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Topic: Agreement of adjectives and nouns of the third declension. Declension of word combination “noun + adjective”. Morphological and syntactic analysis of anatomical terms. Preparing for control of thematic module № 2.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- agreement of adjectives and nouns of the third declension;
- declension of word combination “noun + adjective”;
- morphological and syntactic analysis of anatomical terms;
- preparing for control of thematic module № 2.

Objectives:

- to master the application of declensional types;
- to practice adjective-noun agreement;
- revision of the material in the course of preparation for the upcoming module test.

At the end of the learning session, a student is expected to:

know:

- consonant, mixed and vowel types and their constitutional features;
- how to identify the gender of any given 3d noun;
- principles governing declension of word combinations with nouns of the 3d declension;

be able to:

- identify the gender of any given noun;
- correctly perform adjective-noun agreement;
- identify declensional type;
- apply proper declensional paradigm when inflecting words.

Practice:

Tasks for self-assessment

Q1: Write down terminations of the 3rd declension nouns of neuter in Nom.sing.

S1: c, l, e, men, t, al, ma, ur, ar, us

Q2: Write down the exceptions from the rule of the 3-rd declension nouns of neuter.

S2: sol, solis m – sun; sal, salis m/n - salt

Q/S3: Complete the vocabulary form of the following nouns:

lens, lentis **f**

phalanx, ngis **f**

lac, lactis **n**

auris, is **f**

cartilago, inis **f**

flos, floris **m**

Q4: Write down the vocabulary form of the words. Translate into English:

1. Pars thoracica aortae.

2. Appendix fibrosa hepatis.

S4 : (1) pars, partis f – part; thoracicus, a, um – thoracic; aorta, ae f – aorta.

Translation: thoracic part of the aorta.

(2) appendix, icis f – appendix, vermiform process; fibrosus, a, um – fibrous; hepar, atis n – liver.

Translation: fibrous appendix (vermiform process) of the liver.

Q5: Write down the vocabulary form of the words. Translate into Latin:

1. Nasal bone.

2. Greater trochanter.

S5: (1) nasal – nasalis, e; bone – os, ossis n.

Translation: os nasale.

(2) trochanter – trochanter, eris m; greater – major, majus.

Translation: trochanter major.

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Topic: Morphological and syntactic analysis of anatomical terms with different types of attributes. Translation of anatomical terms from Latin into English, from English into Latin. Practical skills in the translation of anatomical terms control. Word-building in medical terminology. Word-building with the prefixes (part I (in, im), part II (ante, pre)).

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- morphological and syntactic analysis of anatomical terms with different types of attributes;
- translation of anatomical terms from Latin into English, from English into Latin;
- translation of anatomical terms control;
- word building in medical terminology;
- word building with the prefixes (part I (in, im), part II (ante, pre)).

Objectives:

- to learn the most common prefixes that occur in medical terminology, their spelling and meaning.

At the end of the learning session, a student is expected to:

know:

- what is a prefix, and its relation to other constituent parts of a word;

- the prefixes discussed in the relevant textbook chapter, their spelling and meaning;
- the prescribed vocabulary;

be able to:

- identify prefixes in medical terms;
- deduce the superficial meaning of terms based on the respective meaning of prefixes and roots.

Practice:

Tasks for self-assessment

Q1(p. 89 - 91):

Identify prefixes in the following words(underline, write their meanings), provide definition of the following terms:

example: eminentia – protuberance, eminence. Prefix e – movement outwards.

Question from the upcoming test:

Underline prefixes, give their meanings. Translate the words:

impressio, onis f	adductor, oris m
efferens, ntis	apocrinus, a, um
intramuscularis, e	antebrachium, i n
exogenes, is	suprarenalis, e

Sample solution:

Impressio – impression; im – in, into;

Efferens – bearing; ef – out of;

Intramuscularis – intramuscular, intra – in, inside;

Exogenes – exogenic, conditioned by outer factors, exo – outside;



Adductor – adducent, adducting muscle, ad – to, towards;

Apocrinus – apocrine, excreting secretum and the parts of its plasma, apo – away from;

Antebrachium – forearm, ante – in front of;

Suprarenalis – suprarenal, supra – above.

Interactive tasks based on online platform Quizlet:

<i>Lesson 13. Word-building with prefixes. Part 1, 2. Prefixes.</i>	https://quizlet.com/_7brr90	
<i>Lesson 13. Word-building with prefixes. Part 1, 2. Lexical minimum</i>	https://quizlet.com/_7brtc0	

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Topic: Word-building with the prefixes (part III (inter, meso), part IV (retro, re)). Forming of compound terms with the prefixes.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- word building with the prefixes (part III (inter, meso), part IV (retro, re));
- term composition with the prefixes.

Objectives:

- to learn the most common prefixes that occur in medical terminology, their spelling and meaning

At the end of the learning session a student is expected to:

know:

- what is a prefix, its relation to other constituent parts of a word;
- the prefixes discussed in the relevant textbook chapter, their spelling and meaning;
- the prescribed vocabulary;

be able to:

- identify prefixes in medical terms;
- deduce meaning of terms based on respective meaning of prefixes and roots.

Practice:

Tasks for self assessment

Q1(p.92-95)

Identify prefixes (underline, write the meaning), provide definition of the following terms:

example: contralateralis – located on the opposite side of the body. Contra – opposite.

Questions from the upcoming test:

Underline prefixes, give their meanings. Translate the words:

peroxydum, i n	compositus, a, um
diarrhoea, ae f	mesoderma, atis n
reactio, onis f	anaesthesia, ae f
antiseptica (remedia)	transplantatio, onis f

Sample solution :

Peroxydum – peroxide, per – strengthening of the main conception ;

Diarrhoea – diarrhea, flux, dia – through ;

Reactio – reaction, re – opposite ;

Antiseptica – antiseptics, anti – against ;



Compositus – compound, com – combination ;

Mesoderma – mesoderma, mesoblast, the middle germinal layer, meso – between ;

Anaesthesia – anesthesia, loss of sensation with or without loss of consciousness, an – absence ;

Transplantatio – transplantation, trans – through, across, transference in space.

Interactive tasks based on online platform Quizlet:

<i>Lesson 14. Word-building with prefixes. Part 3, 4.</i> Prefixes.	https://quizlet.com/_7bruo5	
<i>Lesson 14. Word-building with prefixes. Part 3, 4.</i> Lexical minimum	https://quizlet.com/_7brvmx	

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Topic: Structural analysis of the terms. Preparing for control of thematic module №3.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- structural analysis of the terms;
- word building with the prefixes (part I (in, im), part II (ante, pre));
- word building with the prefixes (part III (inter, meso), part IV (retro, re)).

Objectives:

- consolidation of knowledge regarding word-building with prefixes;
- revision of the previously covered material, adjective – noun agreement in particular;
- revision in course of preparation for the upcoming module test.

At the end of the learning session a student is expected to:

know:

- what is a prefix, its relation to other constituent parts of a word;
- prefixes discussed in the relevant textbook chapter, their spelling and meaning;

be able to:

- identify prefixes in medical terms;

- deduce meaning of terms based on meaning of prefixes and roots respectively;
- produce intelligent definitions of the transliterated terms;
- apply the acquired knowledge to deduce meaning of terms previously not discussed in the textbook chapter on prefixes.

Practice:

Tasks for self assessment

Q/S 1. Underline prefixes, give their meanings. Translate the words:

injectio, onis f – injection, injection of drugs, in – into;

intervertebralis, e – intervertebral, inter – between;

intramuscularis, e – intramuscular, intra – within;

disseminatio, onis f – dissemination, dispersion of the agent of disease, dis – division, deparation;

abstinentia, ae f – abstention, abs – away from;

transcorticalis, e – transcortical, crossing the cortex of the brain, trans – through, across;

extractum, i n – extractm a product prepared by extracting, ex – out of;

descendens, ntis – descending, falling down, de – movement from top to bottom;

praedicatio, onis f – premedication, medical preparation of the patient for the operation, prae – before, earlier;

reactio, onis f – reaction, re – opposite;

subluxatio, onis f – subluxation, partial dislocation of the bones in a joint, sub – lower degree;

syndesmosis, is f – the joining of the bones by the connective and fibrillar tissue, syn – joining.

Q/S 2. Give the vocabulary form of each word. Translate into Latin:

Intraoccipital synchondrosis

synchondrosis, is **f** – synchondrosis ; intraoccipitalis, e – intraoccipital

Translation : synchondrosis intraoccipitalis.

Hypoglossal nerve

nervus, i **m** – nerve; hypoglossus, a, um – hypoglossal

Translation: nervus hypoglossus.

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Topic: Preparing for control of Final module – credit test.

Actuality: formation of terminological literacy and professional competence.

Theoretical questions:

- Preparing for control of Final control – credit test.

Objectives:

- to learn preparing for control of Final control – credit test.

At the end of the learning session a student is expected to:

know:

- Phonetics.
- Latin alphabet.
- The main rules of pronunciation.
- Stress.
- Morphology. Nouns.
- Grammatical categories.
- The vocabulary form of Latin nouns.
- 5 declensions.
- The regular case-terminations of 1-5 declensions.
Declension of the nouns of 1-5 declensions.
- Disagreed attribute.
- Morphology. Adjective.
- Grammatical categories.

- Groups and declensions of adjectives.
- Adjectives of comparative degree in medical terminology.
- Agreement of adjectives with nouns.
- Agreed attribute.
- Declension of word combination “noun + adjective”.
- Translation of anatomic terms from Latin into English, from English into Latin.
- Morphology. Noun.
- Third declension, its peculiarities.
- Nouns of masculine.
- Exceptions from the rule of gender.
- Nouns of feminine.
- Exceptions from the rule of gender.
- Nouns of neuter.
- Exceptions from the rule of gender.
- Agreement of adjectives and nouns of the third declension.
- Declension of word combination “noun + adjective”.
- Translation of anatomic terms from Latin into English, from English into Latin.
- Definition of the main word – building terms: prefix, suffix, affix, root, stem, flexion.
- Two kinds of word – building. Word – building with Latin-Greek affixes.
- Word – building with stem-addition.

be able to create the following practical skills:

- fluent reading of the Latin medical text;
- practical usage of the Latin alphabet while dealing with the dictionary;
- correct spelling of the Latin alphabet sounds and Latin medical terms;
- practical usage of Greek letter - combinations in the words of Greek origin and their correct spelling in medical terms;
- to be able to operate with lexical material and classificate words due to the declensions correspondingly poiting correct endings;
- to be able to translate from Latin into English and from English into Latin anatomic, and histologic terms using recieved grammar knowledge;
- correct usage on practice medical terms with Latin (Greek) prefixes.

Practice:

Tasks for self assessment

Q1: Agree the adjective with the noun, decline the word combination:

palatal sulcus

S1: sulcus, **im** – sulcus; palatinus, a, um – palatal → sulcus palatinus

Nom.Sg. sulcus palatinus

Gen.Sg. sulc-i palatin-i

Nom.Pl. sulci palatini

Gen.Pl. sulcorum palatinorum

Q/S 2: Write down the vocabulary form of the words. Translate into

English:

pulmo dexter

pulmo, onis m – lung; dexter, tra, trum – right.

Translation: right lung;

regio cervicis anterior

regio, onis f – region; cervix, icis f – neck; anterior, ius – anterior.

Translation: anterior region of neck;

os nasale

os, ossis n – bone; nasalis, e – nasal.

Translation: nasal bone.

Q/S 3: Write down the vocabulary form of the words.

Translate into Latin:

cerebral cortex

cortex, icis m – cortex; cerebrum, i n.

Translation: cortex cerebri;

tip of the heart

apex, icis m – tip; cor, cordis n – heart.

Translation: apex cordis;

tympanic cavity

cavum, i n – cavity; tympanum, i n – tympanum.

Translation: cavum tympani.

Q/S 4: Underline Latin (Greek) prefix, give its meaning, explain the term:

exogenes, is – exogenic, conditioned by the outer factors, exo – outside;

processus, us m – process, the course of disease, pro – movement forward;

epicondylus, i m – epicondyle, epi – above;

decapitatio, onis f – decapitation, removal of one’s head, de – removal.

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7. Латинсько-український медичний енциклопедичний словник: у 2 т. / укладачі: О.М. Беляєва, В.М. Ждан, А.З. Цісик. – К. : ВСВ «Медицина», Т. 1 (А–М). –2020. – 344 с.; Т. 2 (N–W). – 2020. – 456 с.
8. Methodological instructions on Latin Language and medical terminology for medical students’ individual work (Module I): manual / PhD, Associate

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9. Methodological instructions to the practical lessons on Latin language and the fundamentals of medical terminology for the 1-st year students of medical department: – manual / PhD, Associate Professor Sophia I. Tykholaz. – Vinnytsia: National Pirogov Memorial Medical University, 2016. – 86 p.

Electronic resources

1. VNMU Library: <http://library.vnmu.edu.ua>
2. Website of the department: [http://www.vnmu.edu.ua/ Department of Foreign Languages with Latin Language and Medical Terminology course](http://www.vnmu.edu.ua/Department_of_Foreign_Languages_with_Latin_Language_and_Medical_Terminology_course)
3. Google Drive:
<https://drive.google.com/drive/folders/120fSSioIXoTmFXkp2nQXWob6d2xrercc?usp=sharing>
4. Ministry of Education and Science of Ukraine [Electronic resource] - Access mode: <http://mon.gov.ua/activity/education/vishha/baza.html>
5. Ministry of Health of Ukraine <https://moz.gov.ua/>
6. Interactive tasks for individual control through the online service Quizlet:
<https://quizlet.com/VictoriaRatova/folders/latin-medical-faculty-i-semester/sets> -1 semester.
7. <http://www.alcuinus.net/ephemeris/medicina.php>