



***Департамент за езиково и  
специализирано обучение***

4002 Пловдив, бул. „В. Априлов“ №15А  
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***Department of Languages and  
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# **MEDICAL UNIVERSITY of PLOVDIV**

## **FACULTY of DENTAL MEDICINE**

### **SYLLABUS IN**

# **LATIN AND MEDICAL TERMINOLOGY**

**Approved by the Departmental Council on 11 June, 2020/**

**Proceedings № 81**



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**Medical University of Plovdiv  
Medical Faculty of Dental Medicine**

**COURSE NAME:**

“Latin and medical terminology”

**TYPE OF COURSE ACCORDING TO THE UNIFORM STATE REQUIREMENTS:**

Mandatory

**LEVEL OF EDUCATION:**

Master degree /M/

**FORM OF EDUCATION:**

Practical courses, self-training

**SEMESTERS OF EDUCATION:**

1st and 2nd semesters

**AUDITORIUM CLASSES:**

60 academic hours of practical courses

**TECHNICAL EQUIPMENT APPLIED IN THE TRAINING:**

Multimedia presentations, discussions, multimedia interactive board, language laboratory, on-line platform provided by Medical University of Plovdiv

**Control and evaluation:**

Continuous assessment, written tests /written examination in each of the two semesters, assessment of presentations and/ or individual assignments set by the lecturer, final written exam

**Evaluation criteria:**

- complex **annual final written exam** aiming to control the achieved self-training skills while using in practice the acquired knowledge during the course - **50%**;
- continuous assessment and term tests - **50%**.

Continuous assessment – complex assessment of knowledge and skills with the following components.

**Score assessment:**

Active participation in the seminars, extracurricular tasks execution, written tests.



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**Annual exam:**

Yes (after the end of the second semester)

**State exam:**

No

**Lecturers:**

Master's and/or PhD degree

**Department:**

Section of Foreign Languages, Department of languages and specialized training

## ANNOTATION

Each professional community needs a specialized language for the terminology used at the scientific level. For those, working in the field of medicine, that language is Latin *per se*, also acting as a mediator of Greek – basic for clinical practice, therapy and pathology. Study of Latin and medical terminology during the first year of medical education is *sine qua non* for every level of training and for the practice of every physician. The philosophy of medical science as a whole and of all its subspecialties is coded in Latin.

Teaching Latin for specialized training in the first year of medical training is the necessary prerequisite for the better acquisition of other disciplines that are part of the syllabus for each specialty studied at Medical University of Plovdiv in the course until completion of studies. According to tradition and methodology accepted and used in Bulgaria, all the diagnoses included in the textbooks and the additional sources for information and practice for the different subjects are written in Latin. That is the reason why the Latin course is of general educational nature, but it is also a supportive discipline for the understanding and utilization of medical concepts in anatomy and clinical practice. In the first year the Latin course meets the immediate needs of students regarding the course in anatomy, while giving them sufficient grammar knowledge and presenting the principles of word formation to meet the long-term needs in the upper courses of study and the medical field of future specialization.



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## COURSE OBJECTIVES

The syllabus offered aims to teach the students the grammatical and lexical minimum necessary for the proper understanding, reading and writing of diagnoses; the principles of word formation; Greek combining forms and their Latin equivalents.

Study contents according to the aims:

*I<sup>st</sup> semester:* basic Latin grammar aimed at the medical profession: nouns and adjectives – morphological features; agreed and non-agreed attributes; study of a minimum quantity of terms necessary to understand subjects taught in the first course; reading and writing of diagnoses with elementary phraseological structure and syntax; basic information on prescription writing.

*II<sup>nd</sup> semester:* Greek declensions in Latin; compound terms word-formations – Greek and Latin terminological elements, prepositions and prepositions as prefixes in word formation; comparatives and superlatives of the adjectives; clinical and pathoanatomical diagnoses.

## RESULTS EXPECTED

It is expected that by the end of the Latin course the students are going to be able to use the grammatical and lexical minimum that forms the basic microlanguage in the field of medicine as a science. The course gives the information about the medical terminology as a part of the general human knowledge achieved in its diachronic development.

When the Latin course is completed students should be able to:

- use the lexical minimum that serves the needs of other disciplines;
- use the minimum of grammar necessary for diagnoses understanding;
- use the acquired grammatical minimum for writing diagnoses in Latin with familiar and unfamiliar vocabulary;
- know the principles of compound terms word-formation used in clinical practice, for different types of treatment and kinds of pathology;
- know how to understand the compound clinical and pathological terms;
- be able to produce compound terms by their own.



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## SYLLABUS

Forms of teaching	Academic hour count				Credits
	Per week	I semester	II semester	Total	
Lectures	-	-	-	-	4
Seminars	2	30	30	60	
<b>Total</b>	<b>2 academic hours</b>	<b>30 academic hours</b>	<b>30 academic hours</b>	<b>60 academic hours</b>	

## LATIN LANGUAGE AND MEDICAL TERMS

### SYLLABUS

**I<sup>st</sup> year, I<sup>st</sup> semester**



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<b>№</b>	<b>Topic</b>	<b>Academic hours</b>	<b>date</b>
1.	Alphabet and pronunciation. Accentuation	2 h	
2.	Grammatical categories of nouns and adjectives: gender, number, case. Declensions of the nouns. First Latin declension. First Greek declension. Syntax structure of a phrase	2 h	
3.	Greek terms in the Latin medical terminology. Word-formation patterns. Combining term-elements corresponding to first declension Latin nouns.	2 h	
4.	Second Latin declension. Second Greek declension.	2 h.	
5.	Combining term-elements corresponding to second declension Latin nouns.	2 h	
6.	Adjectives of the first and second declension. Past participle. Agreed and non-agreed attributes.	2 h	
7.	Drills on first and second declension and Greek term-elements corresponding to first and second declension Latin nouns.	2 h	
8.	Written examination	2 h	
9.	Third declension – consonant stems.	2 h	



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10.	Terms of Greek origin (Third Greek declension). Locative Adjectives with the -ior/-ius-suffix. Combining term-elements corresponding to third consonant declension Latin nouns.	2 h	
11.	Drills on third declension – consonant stems.	2 h	
12.	Third vocal declension i-stem.	2 h	
13.	Terms of Greek origin (Third Greek declension). Combining term-elements corresponding to third vocal declension Latin nouns.	2 h	
14.	Third declension – mixed stems.	2 h	
15.	Combining term-elements corresponding to third mixed stem declension Latin terms.	2 h	



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**Total: 30 academic hours**

**SYLLABUS**

**I<sup>st</sup> course, II<sup>nd</sup> semester**

<b>№</b>	<b>Topic</b>	<b>academic hours</b>	<b>date</b>
1.	Revision of first and second declension – nouns and adjectives.	2 h	
2.	Adjectives of the third declension.	2 h	
3.	The present participle in Latin.	2 h	
4.	Comparative and superlative forms of the adjectives.	2 h	
5.	Revision of third declension – nouns (consonant, vocal, and mixed stems) and adjectives.	2 h	
6.	Greek declensions in Latin –revisional notes.	2 h	





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7.	Written examination.	2 h	
8.	Fourth declension.	2 h	
9.	Combining term-elements corresponding to forth declension	2 h	
10.	Fifth declension.	2 h	
11.	Combining term-elements corresponding to fifth declension	2 h	
12.	Prepositions with Accusative and Ablative case.	2 h	
13.	Greek and Latin prepositions used as prefixes in the formation of medical terms.	2 h	
14.	Revision of combining forms.	2 h	
15.	Preparation for the final exam.	2 h	

**TOTAL: 30 academic hours**



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**Theses to seminars**

***Seminar № 1 – 2 hours***

**Alphabet and pronunciation**

History and development of the Latin language.

Alphabet. Classification of sounds: vowels, consonants, diphthongs, digraphs.

Pronunciation of vowels, consonants, diphthongs, digraphs.

**Accentuation**

Quantity and syllabification

Rules of accentuation

***Seminar № 2 – 2 hours***

**Nouns and adjectives – general information**

Grammatical categories of nouns and adjectives: gender, number, case. Declensions of nouns. First declension. Vocabulary forms of nouns. Defining the practical stem. Case endings. First Greek declension. Syntax structure of a phrase. Initial information on the use of prepositions.

***Seminar № 3 – 2 hours***

**Word-formation in medical terminology**

Defining term components: prefix, root, suffix.

Greek combining term-elements corresponding to nouns of the first Latin declension.

Decoding clinical and pathoanatomical terms. Coining terms.

***Seminar № 4 – 2 hours***

**Second Latin declension. Second Greek declension.**

***Seminar № 5 – 2 hours***

**Word-formation in medical terminology**

Greek combining term-elements corresponding to nouns of the second Latin declension.

Decoding clinical and pathoanatomical terms. Coining terms

***Seminar № 6 – 2 hours***

**Adjectives of the first and second declension. Past participle. Agreed and non-agreed attributes.**

Suffixes in the formation of adjectives. Meaning of suffixes.

Agreement of adjectives and nouns.

Word-formation. Greek term-elements corresponding to adjectives of first and second declension.



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***Seminar № 7 – 2 hours***

Drills on first and second declension – nouns and adjectives and Greek term-elements corresponding to nouns and adjectives of first and second declension.

***Seminar № 8 – 2 hours***

***Written examination (nouns and adjectives of first and second declension and their corresponding Greek term-elements)***

***Seminar № 9 – 2 hours***

**Third declension**

Third declension – consonant stems  
Characteristic features.  
Characteristic endings for nominative

***Seminar № 10 – 2 hours***

**Terms of Greek origin (Third Greek declension).**

**Locative Adjectives with the -ior/-ius-suffix. Combining term-elements corresponding to third consonant declension Latin nouns.**

***Seminar № 11 – 2 hours***

***Drills on third declension consonant stems***

***Seminar № 12 – 2 hours***

**Third vocal declension – i-stems**

Feminine nouns (Latin and Greek).  
Neuter nouns

***Seminar № 13 – 2 hours***

**Terms of Greek origin (Third Greek declension). Combining term-elements corresponding to third vocal declension Latin nouns.**

Decoding clinical and pathoanatomical terms. Coining terms

***Seminar № 14 – 2 hours***

**Third declension – mixed stems. Word-formation**



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Parisyllabic names – how to differentiate them from third vocal declension nouns.  
Imparisyllabic names - how to differentiate them from third consonant declension nouns.

***Seminar № 15 – 2 hours***

**Greek term-elements corresponding to third mixed stem declension Latin nouns.**

Decoding clinical and pathoanatomical terms. Coining terms.

***Seminar № 16 – 2 hours***

**Revision of first and second declension – nouns and adjectives.**

General rules.

Revisional drills.

***Seminar № 17 – 2 hours***

**Adjectives of the third declension.**

Adjectives of three nominative endings for the three genders.

Adjectives of two nominative endings for the three genders.

Adjectives of one nominative ending for the three genders.

***Seminar № 18 – 2 hours***

**Present Participle – formation and usage**

***Seminar № 19 – 2 hours***

**Comparative and superlative forms of the adjectives – usage.**

Comparative degree of adjectives.

Superlative degree of adjectives.

Comparatives in anatomy

***Seminar № 20 – 2 hours***

**Revision of third declension – nouns (consonant, vocal, and mixed stems) and adjectives.**

General rules.

Revisional drills.

***Seminar № 21 – 2 hours***

**Greek declensions in Latin –revisional notes.**

Frist Greek declension



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Second Greek declension  
Third Greek declension

**Seminar № 22 – 2 hours**

**Written examination (first, second, third declension – nouns and adjectives and their corresponding Greek term-elements)**

**Seminar № 23 – 2 hours**

**Fourth declension. Word formation**

Masculine nouns.

Neuter nouns.

**Seminar № 24 – 2 hours**

**Greek combining forms, corresponding to nouns of the fourth declension**

Decoding clinical and pathoanatomical terms. Coining terms and using them in diagnoses.

**Seminar № 25 – 2 hours**

**Fifth declension**

**Agreed attributes and attributive genitive in the description of caries.**

**Seminar № 26 – 2 hours**

**Combining term-elements corresponding to fifth declension**

Decoding clinical and pathoanatomical terms. Coining terms and using them in diagnoses.

**Seminar № 27 – 2 hours**

**Prepositions with Accusative and Ablative case.**

Latin declensions – revision.

Prepositions in diagnoses and prescriptions.

**Seminar № 28 – 2 hours**

**Greek and Latin prepositions used as prefixes in the formation of medical terms.**

Latin prepositions used as prefixes in the formation of medical terms.

Greek prepositions used as prefixes in the formation of medical terms

**Seminar № 29 – 2 hours**

**Revision of combining forms**

Classification of combining forms: combining forms for parts of the body



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Combining forms for therapeutic, diagnostic and surgical procedures  
Combining forms for colors and body liquids

**Seminar № 30 – 2 hours**

**Preparation for the final test**

*Revision and preparation for the exam test*

**SOURCES FOR EXTRACURRICULAR ACTIVITIES**

1. Repertorium Latinum - Iavora Oprova 2018
2. Latin and Introduction to Medical terminology – teaching materials. Ivana Ikonomova, 2011
3. Lingua Latina Medicinalis, V. Nikolova, I. Koleva, Sofia 2002
4. Nova Terminologia Medica Polyglotta et Eponymica, P. Arnaudova, G. Arnaudov, Sofia 2003
5. Latinum: <https://www.facebook.com/pages/LATINUM/357963236498>
6. J. B. Greenough, G. L. Kittredge, A. A. Howard, Benj. L. D'Ooge, Ed. Allen and Greenough's New Latin Grammar for Schools and Colleges, online edition: <http://www.perseus.tufts.edu/hopper/text?doc=Perseus>
7. Medical Terminology activities:  
[http://msjensen.cehd.umn.edu/1135/med\\_term\\_activites/default.html](http://msjensen.cehd.umn.edu/1135/med_term_activites/default.html)
8. Online dictionary and thesaurus: <http://www.thefreedictionary.com>
9. Recep Mesut, Tibbi Latince, Nobel Tip Kitabevi, 2010
10. Recep Mesut, Sekiz Dilde Anatomi terimleri Sözlüğü, 2012, Nobel Tip Kitabevi

**QUESTIONNAIRE  
LATIN**

1. **Nouns. First declension**
2. **Second declension**
3. **Agreement of nouns and adjectives. Genitive sg. and pl. used as modifier**
4. **Third consonant declension**
5. **Third vocal declension**
6. **Third mixed declension**
7. **Adjectives of the third declension**



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8. *Fourth declension*
9. *Fifth declension*
10. *Comparatives and superlatives*
11. *Greek declensions*
12. *Prepositions*
13. *Prepositions as prefixes in word formation*

**Sample Tests for self-training**

**Opus probationis - I and II declension**

1. Which of the following can be ruptured or fractured? Make expressions meaning ‘rupture of ...’; ‘fracture of ...’ with the nouns *ruptura* and *fractura* and a word or expression from the box:

aorta, ulna, musculus, clavicula, ligamentum latum, membrana interossea, trachea, digitus minimus, tibia, maxilla

Example: *ruptura venae*

1. ....
2. ....
3. ....
4. ....
5. ....
6. ....
7. ....
8. ....
9. ....
10. ....

2. Which case will you use so that you write in Latin ‘therapy of .....’?
- therapia (morbus acutus) .....
  - therapia (pneumonia exacerbata) .....
  - therapia (fractura complicata) .....
  - therapia (cancer ventriculi) .....
  - therapia (insufficiencia aortae) .....





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3. Use the appropriate case after the prepositions:

in (vitrum) .....  
propter (anaemia) .....  
post (morbus ventriculi) .....

**Opus probationis – fourth and fifth declension**

Name ..... Fac. No..... Group .....

1. Translate and write the plurals of:

	translation	Plural form
ductus hepaticus		
decubitus dorsalis		
morsus profundus		
arcus venosus		
infarctus recens		
caries media		
facies interna		

2. Translate into Latin:

a difficult delivery ..... stroke of the brain .....  
internal use ..... frontal sinus .....  
a critical day ..... itching with pains .....  
caries of the bones ..... movement of the mandible .....

3. Write in one word:

lack of sense of taste .....  
implantation of a cornea .....  
excessive vomiting .....  
lack of sense of smell .....

Final test in Latin for students of medicine

Translate into English:

Obturbatio totalis ductus hepatici  
Vulnera puncta in parte sinistra capitis



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Fractura septi nasi  
Carcinoma pulmonis sinistri  
Infarctus myocardii recens  
Radix dentis  
Max. 20p.

Translate into Latin:

Nucleus of the abducent nerve (5p.)  
Symptoms of incipient gonarthrosis (6p.)  
Operation of penetrating ulcer (5p.)  
Scars of the left ventricle after an operation (7p.)  
Lesion of the brain cortex (5p.)  
Thrombosis of the arteries (3p.)  
Carcinoma of paranasal sinuses (5p.)  
Max. 36p.

Explain the following clinical terms:

Hysterotomia  
Pneumothorax  
Chondromalacia  
Nephropexia  
Syndactylia

Max. 10p.

Form a clinical term for the following using the Greek elements:

kidney disease  
paralysis of the half of the body  
tonsil inflammation  
surgical removal of the breast  
fungal disease of the skin

Max. 10p.

Put the phrases in brackets in the correct form:

Exemplum: remedia ad (usus proprius) – remedia ad usum proprium  
Febris cum (tussis acuta)  
Status post (operatio difficilis)  
Vulnus in (regio sacralis)  
Complicationes intra (partus)  
Haemorrhagia ex (auris dextra)



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Max. 15p.

Total amount of points: 91p.

Achieved points:  
Assessor:

Mark: