

# EUROPEAN MEDICAL SCHOOL

“APPROVED”

Chairman of the Admissions Committee

Rector of the European Medical School



Oleh VOVK

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## **PROGRAM ENTRANCE EXAMINATION**

for foreign nationals and stateless persons

(language of instruction: English)

obtaining – Bachelor’s degree

Specialty: C4 Psychology, D3 Management,

D5 Marketing, F2 Software Engineering

obtaining – Master’s degree

Specialty: I2 Medicine

KYIV 2026

## INTRODUCTION

The entrance examination program for foreign nationals and stateless persons (language of instruction: English) is designed to conduct entrance examinations at the European Medical School for the purpose of obtaining a Bachelor's degree through full-time and part-time modes of higher education in the following specialties: C4 Psychology, D3 Management, D5 Marketing, F2 Software Engineering, as well as for obtaining a Master's degree through full-time study in the specialty I2 Medicine, in accordance with the Laws of Ukraine "On Education", "On Higher Education", the Admission Requirements for Higher Education Institutions of Ukraine, and the Admission Rules for Higher Education at the European Medical School for the year 2026.

The entrance examination for foreign nationals and stateless persons consists of four subjects: three mandatory subjects and one subject chosen by the applicant.

The entrance examination program in the language of instruction (English) has been developed in accordance with the recommendations of the Common European Framework of Reference for Languages (CEFR) and is aimed at assessing applicants' language proficiency at the B1 level. The programs for other subjects have been designed in accordance with the External Independent Evaluation (EIE) curricula.

The purpose of the entrance examination is to determine applicants' linguistic and communicative competence, their command of standard English norms, and the accuracy of their use of grammatical structures, as well as to assess the level of knowledge, skills, and abilities required for successful further study.

The programme includes assessment criteria, structure, and evaluation procedures.

The entrance examination is conducted in the form of a test.

## **ASSESSMENT OF THE ENTRANCE EXAMINATION for Foreign Nationals and Stateless Persons**

The entrance examination for foreign nationals and stateless persons is conducted in the form of a test and consists of four subjects: three compulsory subjects and one elective subject chosen by the applicant.

The compulsory subjects are: the language of instruction (English), Mathematics, and World History. The elective subjects include: Biology, Geography, Physics, Chemistry, and World Literature.

The entrance examination consists of 100 test questions (25 questions per subject). Each correct answer is awarded 2 points. Each incorrect answer is awarded 0 points. The maximum possible score is 200 points.

The minimum passing score required for admission to the competitive selection process is 100 points for all specialties, except for I2 Medicine. For admission to I2 Medicine, the minimum passing score is 150 points.

The duration of the entrance examination is 120 minutes.

## **Entrance Examination Program in the Language of Instruction (English)**

### **1. Language Competence**

Applicants must: demonstrate knowledge of English language norms, correctly use grammatical structures of varying complexity, apply appropriate style depending on context, use a wide vocabulary corresponding to B1 level, follow norms of modern standard English.

### **2. Communicative Competence**

**Reading comprehension:** The applicant should be able to: understand the main content of everyday texts; locate specific information; identify the main idea of a text.

**Vocabulary work:** know basic and frequently used vocabulary at B1 level; understand the meaning of a word from context; choose the correct word from several options (basic-level synonyms, collocations); distinguish between similar words (for example: say / tell / speak).

#### **Grammar**

Should confidently understand basic topics: tenses (Present / Past / Future – in simple and some more complex forms); modal verbs (can, must, should, have to); articles (a/an/the); pronouns; prepositions of time and place; simple conditional sentences (1st conditional at a basic level).

### **GRAMMAR, WORD FORMATION AND SYNTAX**

**Noun:** countable and uncountable nouns, plural forms, foreign-origin nouns, articles (a, an, the, zero article), agreement with adjectives and numerals, prepositions (in, on, at, to, from, with, without, for, etc.).

**Adjective:** agreement with nouns, use in descriptions, predicative use, degrees of comparison:

comparative (bigger, more interesting), superlative (the biggest, the most important), analytical forms (more, most).

**Numeral:** cardinal and ordinal numbers, use in dates and time, agreement with nouns.

**Pronoun:** personal (I, you, he, she, it, we, they), possessive (my, your, his, her, their), demonstrative (this, that, these, those), interrogative (who, what, which), negative (nobody, nothing), relative (who, which, that), use in complex sentences.

#### **Verb**

**Tenses:** Present (Present Simple, Present Continuous, Present Perfect), Past (Past Simple, Past Continuous, Past Perfect), Future (Future Simple, be going to, Present Continuous).

**Voice:** Active Voice, Passive Voice.

**Modal Verbs:** can, could, may, might, must, have to, should, expressing possibility, obligation, advice.

**Conditionals:** Zero Conditional, First Conditional, Second Conditional, Third Conditional, Mixed conditionals.

**Other Grammar:** Reported Speech, Gerund and Infinitive, Phrasal Verbs.

**WORD FORMATION:** degrees of comparison, formation of nouns, adjectives, verbs, prefixes (un-, re-, dis-), suffixes (-tion, -ment, -ness), word meaning changes.

### **SYNTAX**

**Simple Sentence:** extended sentences, affirmative and negative forms, subject-verb agreement.

**Questions:** general questions (Do you study?), special questions (Where do you live?), indirect questions (I don't know where he lives).

### **Imperatives:**

different levels of politeness: Open the door, Please help me, Could you help me?

**Complex Sentences:** compound (and, but, however, so), complex: reason (because), time (when), condition (if), purpose (so that).

## **ENTRANCE EXAM PROGRAMME IN MATHEMATICS**

Numbers and Expressions: natural, integers, rational and real numbers, operations with numbers, percentages, powers and roots. Algebra. Expressions and Transformations: identity transformations, rational and irrational expressions.

Equations and Inequalities: linear, quadratic, fractional equations, systems of equations, inequalities and their systems.

Functions: concept of function; main types: linear, quadratic, power, exponential, logarithmic; graphs of functions.

Elements of Combinatorics, Probability and Statistics: permutations, arrangements, combinations, probability of random events, averages.

Geometry:

Planimetry: triangles, quadrilaterals, circle and disk, areas of figures.

Stereometry: lines and planes in space, prism, pyramid, cylinder, cone, sphere, volumes and surface areas.

## **ENTRANCE EXAM PROGRAMME IN WORLD HISTORY**

Ancient History: early civilizations, development of humanity, ancient agricultural cultures, classical civilizations (Greece, Rome). Medieval Europe and the World: formation of medieval states, feudal system, Christianity in Europe, migrations, Arab world and Islamic civilization, medieval cities and trade.

States and Society in the Middle Ages: development of monarchies, influence of the Byzantine Empire, Crusades, medieval culture and education. Early Modern Period (16th–18th centuries): great geographical discoveries, Reformation and Counter-Reformation, centralized states, revolutions (English, French).

19th Century: Industrial Revolution, national movements, colonial empires, social and political changes. World War I and Interwar Period: causes and consequences, Versailles-Washington system, Great Depression, totalitarian regimes. World War II: causes, course, coalitions, occupation, resistance movements, consequences.

Post-War World: Cold War, decolonization, global integration, development of international organizations (UN, EU, etc.). Modern World: globalization, conflicts (late 20th–early 21st century), democracy development, modern political and economic trends.

## **ENTRANCE EXAM PROGRAMME IN BIOLOGY** *(optional subject)*

Chemical composition, structure and functioning of cells.  
Genetic information expression.  
Metabolism and energy transformation.  
Laws of heredity and variation.  
Genetics and selection of organisms.  
Biotechnology and biodiversity.  
Viruses, viroids, prions.  
Prokaryotes, algae, plants, fungi, lichens.  
Unicellular heterotrophic eukaryotes, sponges, animals.  
Human organism as a biological system.  
Basics of ecology and evolution.

## **ENTRANCE EXAM PROGRAMME IN GEOGRAPHY** *(optional subject)*

General Geography: geography as a science, research methods, Earth as a planet (shape, movements), maps and projections, coordinates, time zones, lithosphere, atmosphere, hydrosphere, biosphere, soils.  
Continents and Oceans: natural features, zones, distribution patterns.  
Geography of Ukraine: location, geology, climate, waters, soils, flora and fauna, landscapes, resources.  
Population: demographics, migration, urbanization, ethnic and religious structure, labor resources.  
World Economy: economic sectors, industry, agriculture, transport, trade, globalization, international organizations, Ukraine in global economy.  
Regions of the World: Europe, Asia, Africa, Americas, Australia and Oceania, global problems, sustainable development.

## **ENTRANCE EXAM PROGRAMME IN PHYSICS** *(optional subject)*

Mechanics: kinematics, dynamics, conservation laws, work and power, oscillations.  
Molecular Physics and Thermodynamics: kinetic theory, ideal gas, internal energy, thermal processes, laws of thermodynamics.

Electrodynamics: electric field, current laws, magnetic field, electromagnetic induction.

Oscillations and Waves. Optics: mechanical and electromagnetic waves, light phenomena, geometric and wave optics.

Relativity and Quantum Physics: basics of relativity, quantum properties of light, atomic structure, nuclear reactions, radioactivity.

### **ENTRANCE EXAM PROGRAMME IN CHEMISTRY** *(optional subject)*

General Chemistry: basic concepts and laws, atomic structure, periodic law, chemical bonding, amount of substance, solutions, redox reactions, reaction rates, equilibrium.

Inorganic Chemistry: oxides, acids, bases, salts, chemical properties, metals and nonmetals, obtaining substances.

Organic Chemistry: structure theory, hydrocarbons, oxygen-containing and nitrogen-containing compounds, biologically important substances.

Calculations: formulas, reaction equations, mass fraction, solutions.

### **ENTRANCE EXAM PROGRAMME IN WORLD LITERATURE** *(optional subject)*

Ancient Literature: Homer (*Iliad*, *Odyssey*), Greek tragedy (Sophocles, Aeschylus, Euripides), Roman literature (Virgil, Ovid).

Medieval Literature: chivalric romance, Dante Alighieri (*Divine Comedy*), heroic epics.

Renaissance: William Shakespeare (*Romeo and Juliet*, *Hamlet*), Miguel de Cervantes (*Don Quixote*), Petrarch, Boccaccio.

Classicism and Enlightenment: Molière, Rousseau, Voltaire, Diderot.

Romanticism: Goethe (*Faust*), Byron, Hoffmann, Scott.

Realism (19th century): Balzac (*The Human Comedy*), Dickens, Flaubert (*Madame Bovary*).

Modernism: Kafka (*The Metamorphosis*), Joyce, Proust, Hemingway, Woolf.

20th–21st Century Literature: Camus (*The Plague*), Orwell (*1984*, *Animal Farm*), García Márquez, Eco.