

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV  
EDUCATIONAL AND SCIENTIFIC INSTITUTE OF INTERNATIONAL  
RELATIONS**

**ADMISSION EXAMINATION PROGRAM**

**for foreign students**

**educational level – Bachelor**

**educational program – «Міжнародний бізнес, комерція та фінанси /**

**International Business, Commerce and Finance»**

**speciality 292 International economic relations**

**The Admission Examination Program was  
Approved by the Scientific Council of the Institute**

**Protocol No. 7 Dated “27” 02. 2024**

**Director of the Institute,**

**Head of the Council**

**Y. V. Kopyika**



**KYIV – 2024**

The Admission Examination Program for testing foreign students (educational level – Bachelor) is elaborated in accordance with the Laws of Ukraine ‘On Education’, ‘On Higher Education’, ‘On the Legal Status of Foreigners and Stateless Persons’, ‘On Refugees and Persons in Need of Additional or Temporary Protection’, Resolution of the Cabinet of Ministers of Ukraine ‘On the studying of foreign nationals in Ukraine’, relevant orders of the Ministry of Education and Science of Ukraine.

This Admission Examination Program finalized by the administrator of the educational program «International Business, Commerce and Finance» associate professor Namoniuk V. E., recommended by the International Finance Department and approved by the Scientific Council of the Institute of International Relations of Taras Shevchenko National University of Kyiv.

1. Real numbers (natural, rational and irrational), number comparisons and operations
2. Properties of operations with real numbers
3. Rules for comparing real numbers
4. Divisibility tests for 2, 3, 5, 9, 10
5. Rules for finding greatest common divisor and least common multiple
6. Rules for rounding integers and decimal fractions
7. Definition and properties of  $n$ -th root and arithmetic  $n$ -th root
8. Exponent rules with natural, integer and rational exponents
9. Number intervals
10. Modulus of a real number and its properties
11. Ratios and proportions. Basic percent problems. Text problems.
12. Linear, quadratic, rational, irrational, exponential, logarithmic and trigonometric expressions and their transformations
13. Linear, quadratic, rational, irrational, exponential, logarithmic and trigonometric equations and inequalities. Systems of linear equations and inequalities. Systems of equations with at least one second degree equation. Solving text problems using equations and systems.
14. Numerical sequences



15. Functional dependence. Properties of linear, quadratic, exponential, logarithmic and trigonometric functions.
16. Derivative, its geometric and physical interpretation. Table of derivatives and differentiation rules. Using derivatives to study functions and graph them.
17. Indefinite integral and definite integral. Using definite integral to find areas of plane figures.
18. Permutations, combinations, arrangements (without repetition). Combinatorial rules of sum and product. Probability of a random event. Sampling characteristics.
19. Geometry of basic plane shapes and their properties
20. Solids and rotation bodies
21. Globalization and economic integration
22. Multinational corporations and international business
23. International trade and trade organizations
24. Regional economic organizations and trade blocs
25. Global financial system and institutions
26. Technology and innovation in the global economy
27. Sustainability and the green economy
28. Outsourcing, offshoring, and the global shift in manufacturing
29. Development and spatial inequality between countries
30. Population, food security, and agriculture
31. Urbanization and the growth of global cities
32. Transportation, infrastructure, and accessibility
33. Communication networks and information flows
34. Culture, media, ideologies and global diffusion
35. Tourism, heritage, and human migration flows
36. Public health, disease, and pandemics
37. Energy, minerals, and resource distribution
38. Climate change and environmental degradation
39. Poverty, conflict, terrorism, and global security
40. Global governance and the role of international organizations