

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
Lesya Ukrainka Volyn National University  
Department of International Communications and Political Analysis

Syllabus  
of normative educational component  
**INFORMATION TECHNOLOGIES  
IN INTERNATIONAL RELATIONS**

Field of Study 29 “International relations”  
Specialty 292 “International economic relations”  
of the bachelor's educational and professional program “International Business”


Lutsk – 2024

Syllabus of the educational component “Information Technologies in International Relations” for bachelor's degree, field of study 29 International Relations, specialty 292 International Economic Relations, under the educational and professional program International Business.

Developer: PhD in 291 “International Relations, Public Communications and Regional Studies” Nazarii Shulyak.

**Approved**

by the Guarantor of Education and Professional Programme:



/ Andrii Boiar

**The syllabus of the academic component** *International Information* was approved at the meeting of the International Communications and Political Analysis Department

Protocol No. 1 as of August 29, 2024



The Head of the Department:

Yevheniia Vozniuk

## I. Description of the educational component

Indicators names	Field of knowledge, specialty, educational program, educational degree	Characteristics of the discipline
full-time form of education	field of study 29 International relations, specialty 292 “International Economic Relations”, educational and professional program “International Business”, bachelor's degree	Normative
Number of hours/credits 90/3		Year of study 2025-2026
		Semester 4
		Lectures - 6
ISRT: none		Laboratory work - 20
		Independent work 58
		Consultations 6
		Form of control: credit
Language of education		English

## II. Information about the teacher

Full name - Nazariy Shulyak

Academic degree - Doctor of Philosophy in 291 “International Relations, Public Communications and Regional Studies” Shulyak Nazar Oleksandrovysh

Position - Senior Lecturer at the Department of International Communications and Political Analysis

Contact information [nazarii.shuliak@vnu.edu.ua](mailto:nazarii.shuliak@vnu.edu.ua)

Timetable: <https://ps.vnu.edu.ua/cgi-bin/timetable.cgi>

## III. Description of the educational component

The course “Information Technologies in International Relations” is aimed at developing the necessary competencies for the effective use of modern information and communication technologies (ICT) in professional activities, in particular in the field of international relations. The course program covers aspects of information and analytical work, forecasting, communication and management. Particular attention is paid to the development of practical skills in the use of technologies that are used in information and analytical activities, public relations and management processes. The course focuses on the study of current and promising solutions based on the use of online access and cloud computing. To successfully master the material, you must have basic skills in working with modern information and communication technologies at the level of personal access.

1. Goals and objectives of the educational component.

The aim of the course is to develop the competencies necessary for the effective use of modern information and communication technologies in professional activities,

in particular in information and analytical work, forecasting, communication and management.

The main objectives of the course are to study and master technologies aimed at supporting information and analytical activities, management and public relations. Particular emphasis is placed on the study of modern and promising solutions based on the use of online access and cloud computing.

## **2. Learning outcomes (Competencies)**

### **Competencies**

#### **General competencies**

GC 2. Ability to preserve and increase moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technology, to use various types and forms of physical activity for active recreation and healthy lifestyle.

GC 3. Ability to learn and be modernly trained.

GC 4. Ability to plan and manage time.

GC 7. Skills in the use of information and communication technologies. GC 8. Ability to abstract thinking, analysis and synthesis.

GC 8. Ability to abstract thinking, analysis and synthesis.

GC 10. Ability to communicate with representatives of other professional groups of different levels (with experts from other fields of knowledge / types of economic activity).

GC 12. Knowledge and understanding of the subject area and understanding of professional activities.

#### **Professional competencies**

PC5. Ability to carry out a comprehensive analysis and monitoring of world market conditions, assess changes in the international environment and be able to adapt to them.

PC6. Ability to analyze international markets for goods and services, tools and principles of international trade regulation.

PC7. Ability to analyze theories and mechanisms for the implementation of international monetary, financial and credit relations.

PC8. Ability to determine the functional features, nature, level and degree of relationships between subjects of international economic relations of different levels and to establish communication between them.

PC9. Ability to diagnose the state of research on international economic relations and the world economy in an interdisciplinary combination with political, legal, natural sciences.

PC11. Ability to conduct research on economic phenomena and processes in the international sphere, taking into account cause and effect and spatial and temporal relationships.

PC12. Ability to use regulatory documents and reference materials in the implementation of professional activities in the field of international economic relations.

PC16. Ability to constantly improve the theoretical level of knowledge, generate and effectively use it in practice.

PC20. Ability to search, critically evaluate and process information from various sources in the field of international business; to generate conclusions, recommendations and suggestions, new original ideas for (re)organization of business, planning and modeling of business

#### **Program learning outcomes**

PLO1. Responsible attitude to professional self-improvement, realizing the need for lifelong learning, showing tolerance and readiness for innovative changes.

PLO3. Use modern information and communication technologies, general and special purpose software packages.

PLO4. Systematize and organize the received information on processes and phenomena in the world economy; assess and explain the impact of endogenous and exogenous factors on them;

formulate conclusions and develop recommendations taking into account the peculiarities of the national and international environment.

PLO 5. Have the skills of self-analysis (self-control), be understandable to representatives of other business cultures and professional groups of different levels (with experts from other fields of knowledge / activities) on the basis of valuing diversity, multiculturalism, tolerance and respect for them.

PLO6. Plan, organize, motivate, evaluate and increase the effectiveness of teamwork, conduct research in a group under the guidance of a leader, taking into account the requirements and features of today in a limited time.

PLO7. Apply the acquired theoretical knowledge to solve practical problems and meaningfully interpret the results.

PLO9. Understand and be able to apply, in accordance with other requirements of the educational program, modern theories and methods of solving specialized complex problems and practical problems in the field of international trade in goods and services, international capital movements, international monetary and financial and credit relations, human resources mobility, international technology transfer.

PLO12. Carry out a comprehensive analysis of complex economic systems, compare and contrast their components, evaluate and justify evaluations of the effectiveness of their functioning.

PLO13. Select and skillfully apply analytical tools to study the state and prospects of development of certain segments of international markets for goods and services using modern knowledge of methods, forms and tools of international trade regulation.

PLO19. Understand and apply current legislation, international regulations and agreements, reference materials, current standards and specifications, etc. in the field of international economic relations.

PLO23. Recognize the need for lifelong learning in order to maintain a high level of professional competence.

PLO24. Justify the choice and apply information and analytical tools, economic and statistical methods of calculation, complex analysis techniques and methods of monitoring world markets.

PLO25. Present the results of the study, on the basis of which recommendations and measures for adaptation to changes in the international environment are developed.

PLO29. Carry out analysis and synthesis of international information; determine the information value of international databases; understand and use information that reflects the activities of international companies; to carry out competitive intelligence and other information and analytical research on a wide range of problems of international business, to communicate their results in the international business environment.

### 3. Structure of the educational component

Topic and subject of study	Number of hours					Form of control*/Points
	Total	including				
		Lectures	Seminar, practical	Laboratory	Independ. work/ consultations	
1	2	3	4	5	6	7
Content module 1: Technologies of information and analytical work						
Topic 1: Information gathering technologies	10	2		2	6/	IWS /10
Topic 2. Information processing technologies	9			2	6/1	IWS /10
Topic 3: Forecasting technologies	9			2	6/1	IWS /10

Total by content module	28	2	0	6	18/2	30
<b>Content module 2: Technologies for communication</b>						
Topic 4. Social communication technologies	8			2	6/	IWS /10
Topic 5. Content creation technologies	11	2		2	6/1	IWS /10
Topic 6: Web presentation technologies	9			2	6/1	IWS /15
Total for content module 2	28	2	0	6	18/2	35
<b>Content module 3: Management technologies</b>						
Topic 7. Knowledge management technologies	10			2	8/	WSG /10
Topic 8: Creating a virtual organization environment	13	2		4	6/1	WSG /15
Topic 9: Organization of workflow	11			2	8/1	WSG /10
Total for content module 3	34	2	0	8	22/2	35
<b>Hours in total</b>	90	6	0	20	58/6	100 points

\*\* Control methods: IWS - individual work of the student, WSG - work in small groups.

#### 4. Questions for self-study

1. Technologies based on artificial intelligence: use for information retrieval
2. Social communication technologies: social networks for strategic communications
3. Technologies based on artificial intelligence: application for information analysis
4. Information processing technologies: big data analysis
5. Technologies based on artificial intelligence: applications for generating multimedia content
6. Information processing technologies: analysis of social media sites. Applications
7. Social communication technologies: principles of organization and capabilities of social networks
8. Information processing technologies: analysis of visual content
9. Social communication technologies: social networks for public diplomacy
10. Organization of the virtual environment of the organization: formation of a corporate communication system
11. Web presentation technologies: Sway
12. Cloud computing: models of mass collaboration
13. Forecasting in International Futures (IFs): directions of IFs forecasting
14. Information processing technologies: text content analysis
15. Web presentation technologies: Wordpress content management system
16. Web presentation technologies: systems for creating and managing web content

- 17.Information gathering technologies: open source intelligence (OSINT)
- 18.Forecasting in International Futures (IFs): directions of IFs forecasting
- 19.Information gathering technologies: obtaining information from social networks
- 20.Forecasting in International Futures (IFs)
- 21.Information gathering technologies: search engines and technologies
- 22.Forecasting technologies: applications and methodology

#### **IV. Evaluation policy**

Attendance and/or Participation: Attendance and active participation is a graded component of the course that is assessed.

Academic integrity and cooperation: no violation of copyright law is allowed, in case of plagiarism, the student's written work will not be evaluated.

Students with disabilities: can participate remotely (online) on the basis of a personal request.

Statement on the state of health of students: in case of deterioration of health, they can take part in remote online classes on the basis of a personal written request.

Mobile devices: the use of mobile devices is encouraged.

Delays in performance: allowed if there are insurmountable circumstances that prevented timely submission, which is confirmed by documentation (for example, a doctor's certificate).

Re-assessment: is allowed on the basis of a reasonable written request from the student, but no later than one week after the main assessment.

Attendance and/or participation policy: attendance and active participation are an assessed component of the course.

#### **V. Final control**

The final control in the form of a test is regulated by the Regulations on the organization of the educational process at the first (bachelor's) and second (master's) levels at Lesya Ukrainka Volyn National University.

Credit is given based on the results of the current work, provided that the student has completed the types of academic work that are defined in the syllabus. If a student did not attend some classroom sessions (for valid reasons), he or she has the right to work on the missed classes during consultations and get the number of points that was determined for the missed topics. On the date of the test, the instructor records the sum of the current points that the student has earned during the current work (scale from 0 to 100 points).

If a student has scored less than 60 points during the current work, he or she will take a test during the liquidation of academic debt. In this case, the points gained during the current assessment are canceled. The maximum number of points for credit during the liquidation of academic debt is 100.

### Scale of evaluation

Score in points	Linguistic assessment
90 – 100	credited
82 – 89	
75 – 81	
67 – 74	
60 – 66	
1 – 59	not credited (retake required))

## VI. RECOMMENDED LITERATURE

### Main

1. Eriksson, J., Newlove-Eriksson, L. (2021) Theorizing technology and international relations: prevailing perspectives and new horizons URL: <https://surl.li/mhlhly>
2. Bae, Y. J. (2003). Information Technology and the Empowerment of New Actors in International Relations. *Journal of International and Area Studies*, 10(2), 79–92. URL: <http://www.jstor.org/stable/43107081>
3. Szkarlat, M. and Mojska, K. (eds) (2016). New Technologies as a Factor of International Relations. Cambridge Scholars Publishing. URL: <https://surl.li/nmzdkj>
4. Der Derian, J. (2003). The question of information technology in international relations. *Millennium*, 32(3), 441-456.
5. McCarthy, D. R. (2015). *Power, information technology, and international relations theory: The power and politics of US Foreign policy and internet*. Palgrave Macmillan.
6. Eriksson, J., & Giacomello, G. (2006). The information revolution, security, and international relations:(IR) relevant theory?. *International political science review*, 27(3), 221-244.
7. Carr, M. (2016). *US power and the internet in international relations: The irony of the information age*. Springe
8. Zwitter, A. (2015). Big data and international relations. *Ethics & International Affairs*, 29(4), 377-389.
9. Carpenter, C., & Drezner, D. W. (2010). International Relations 2.0: The implications of new media for an old profession. *International Studies Perspectives*, 11(3), 255-272.
10. Sørensen, G., Møller, J., & Jackson, R. H. (2022). *Introduction to international relations: theories and approaches*. Oxford university press.

### Additional

1. Salbu, S. R. (2002). The European Union Data Privacy Directive and International Relations. *Vand. J. Transnat'l L.*, 35, 655.
2. Eugene, N. (2010). International Relations in Era of Digital Technology: The Change and Implications for African Nations.
3. Pashakhanlou, A. H. (2017). Fully integrated content analysis in international relations. *International Relations*, 31(4), 447-465.