

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

**Lesya Ukrainka Volyn National University
History, Political Science and National Security Faculty
Political Science and Public Administration Department**

SYLLABUS

of a normative academic component

FUNDAMENTALS OF CRITICAL THINKING

Bachelor training

**Specialty 291 «International Relations, Public Communications and
Regional Studies»**

Education and Professional Programme «International Relations»

Lutsk 2022

The syllabus of academic component «Fundamentals of Critical Thinking», Education Level Bachelor, Field of Knowledge 29 International Relations, specialty 291 «International Relations, Public Communications and Regional Studies», Educational and professional programme «International Relations».

Developer: A. M. Semenov, Associate Professor of the Political Science and Public Administration Department, Candidate of Philosophical Sciences, Associate Professor

Approved

by the Guarantor of Education and Professional Programme:



signature

Associate Professor Yevheniia Vozniuk

The syllabus of the academic component «Fundamentals of Critical Thinking» was approved at the meeting of the Political Science and Public Administration Department

Protocol No 2 as of September 14, 2022.

Head of the department:



(O. Yarosh)

I. THE DESCRIPTION OF ACADEMIC COMPONENT

Indicator Name	Field of knowledge, specialty, educational and professional programme, education level	Characteristics of academic component
Full-time form of education	029 «International Relations» 291 «International Relations, Public Communication and Regional Studies» «International Relations» bachelor	Normative
Number of hours / credits 90/3		Year of study – 3.
		Semester – 6.
		Lectures – 26
Individual Student’s Work: no		Seminars – 16
		Independent work – 42
		Consultations – 6
		Form of control: Credit
Language of study		English

II. INFORMATION ABOUT THE INSTRUCTOR

Name Andriy Semenov

Scientific Degree PhD in of Philosophical Sciences

Academic Title Associate Professor

Title Associate Professor of the Political Science and Public Administration Department

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Days classes <http://194.44.187.20/cgi-bin/timetable.cgi>.

III. DESCRIPTION OF THE ACADEMIC COMPONENT

1. A Course abstract.

«Fundamentals of Critical Thinking» is an academic component of the general training cycle by the educational and professional training program of the bachelor of relevant fields of knowledge and specialties (international relations, public communications and regional studies) and determines the volume of thematic questions that the student have to master, literature, approximate topics of analytical tasks, essays (fixed presentations), categorical apparatus, list of control questions. The academic component «Fundamentals of Critical Thinking» was developed with the aim of students learning basic logical knowledge, mastering the basic rules and techniques of logical thinking and the ability to apply them in the process of professional, educational, scientific-cognitive and social-communicative activities. The academic component presents the results of traditional and modern studies on the development of critical thinking, which are approved for the specialty 291 International Relations, Public Communications and Regional Studies.

The educational component «Fundamentals of Critical Thinking» is considered in the context of the study of humanitarian, applied and professional disciplines: «Ukraine in European Historical and Cultural Contexts», «Psychology of Interpersonal Interaction», «International Law», «Information and Analytical Activity in International Relations» and in combined with other courses, according to curricula and programs.

2. Goal and tasks of the academic component

The academic component aims to acquaint students with the specific field of traditional critical thinking as an academic discipline, its content, structure and place in the plane of traditional and

modern science in general, social and humanities, behavioural sciences in particular – In the context of the development of international relations and public communications, information and analytical activities in international relations. The purpose of studying the academic component «Fundamentals of Critical Thinking» is for students to master the methods and forms of critical theoretical thinking, to form a system of scientific knowledge in the field of theory and practice of traditional critical thinking in general, and to improve practical skills of logical thinking, in particular, their transformation into modern humanitarian education and culture, mastering the categorical «apparatus» of thinking and cognition based on a thorough acquaintance with the circle of relevant source, monographic literature and one's own theoretical, philosophical, analytical reflection.

The priority task of studying the academic component «Fundamentals of Critical Thinking» is to reveal the place, role and significance of the current problems of the history and theory of critical thinking as an academic discipline, logical and philosophical understanding and analysis of the main processes in the modern practice of international relations – in the context of studying and mastering the professional disciplines of the specialty 291 International relations, public communications and regional studies. The tasks of the course are also the study of the specifics of the primary forms (concepts, statements, inferences) and laws (identity, non-contradiction, excluded third, sufficient basis) of thinking, general rules and requirements of proof and refutation, which reveal the essence of logical argumentation; basic methods and techniques of rational processing of information and, based on this, the development of scientific, creative and critical thinking of students of relevant specialties, which is an integral attribute of the development of spirituality, multiculturalism and humanism at the level of state formation in Ukraine and transformational processes of a global society.

3. Learning outcomes (Competencies)

The result of studying the academic component «Fundamentals of Critical Thinking» is the formation of knowledge in the field of history and theory of critical thinking as an academic discipline as a whole (leading problems of traditional logic, their importance for professional activity, the main historical stages of the development of critical thinking, cognitive-heuristic, informational, worldview, propaedeutic-educational, normative-structural functions of critical thinking), abilities and skills of logical operations and logical thinking in particular (methods of forming a system of concepts, categories, regularities, operational analysis of judgments, practical skills of developing a culture of critical thinking).

Studying the course «Fundamentals of Critical Thinking» in a complex with related disciplines will also provide students with the following **general and special (professional) competencies**:

GC 3. The ability to learn and master modern knowledge.

GC 6. Ability to generate new ideas (creativity).

GC 7. Ability to apply knowledge in practical situations.

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

GC 12. Ability to search, process and analyze information from various sources.

GC 13 The ability to be critical and self-critical.

SC 1. The ability to distinguish signs and trends of development, to understand the nature, dynamics, principles of organization of international relations, public communications and/or regional studies.

SC 9. The ability to apply knowledge of the characteristics of the development of countries and regions, features and regularities of global processes and the place of individual states in them to solve complex specialized tasks and problems.

Learning outcomes of studying the academic component «Fundamentals of Critical Thinking» are:

LO 11. Carry out an applied analysis of international relations, foreign policy of Ukraine and other states, international processes and the international situation in accordance with the set goals, prepare informative and analytical reports.

LO 13. Conduct a professional discussion on issues of international relations, international communications, regional studies, foreign policy activities, argue one's position, respect opponents and their points of view.

LO 17. To have the skills of educational goals and learning self-determination, finding educational resources necessary for their achievement.

4. Structure of the academic component

Name of the content module and topic	Total	Lectures	Seminars	Independent student's work	Cons.	Form of control/grades
Content Module 1. Introduction to Critical Thinking.						
Critical Thinking in the System of Sciences and Social Practice of Mankind						
Topic 1. Philosophy in the structure of modern scientific knowledge, humanitarian education and spiritual culture of mankind. Critical thinking in the system of academic philosophy. The role and significance of logic in the structure of interpersonal interaction, social communication and the practice of international relations.	8	2	1	4	1	11
Topic 2. Logical propaedeutics. Subject and language of formal logic. Concept of traditional and non-classical logic.	9	2	1	5	1	11
Topic 3. History of logic/critical thinking as a science. Philosophical logic as analytics and eristics. Critical thinking in science and practice of the XXI century.	10	4	2	4	0	11
Total for Module 1	27	8	4	13	2	33
Content Module 2. Traditional critical thinking: essence, structure, content						
Topic 4. Concept as a form of critical thinking.	9.5	2	2	5	0.5	11
Topic 5. Judgment as a form of critical thinking.	11.5	4	2	5	0.5	11
Topic 6. Condition as a form and means of formation of thought and knowledge.	12	4	2	5	1	11
Topic 7. Basic laws of formal critical thinking.	12	4	2	5	1	11
Topic 8. Evidence.	8.5	2	2	4	0.5	11
Topic 9. Logical foundations of the theory of argumentation. The importance of critical thinking.	9.5	2	2	5	0.5	12
Total for Module 2	63	18	12	29	4	67
Total:	90	26	16	42	6	100

Control methods: DS – discussion, DB – debate, T – tests, TR – training, PM/CM – problems/cases management, IST/ISW – individual task/individual work of the student, SGW – work in small groups, MTP/TP – module test paper/test paper, Ab – abstract, analytical note, analytical essay, analysis of the work.

5. Tasks for independent work

No	Elements of the independent student's work	Number of hours
1	Man, society, civilization: dynamics of development and interaction at the modern stage: system-informational approach and logical-analytical description.	2
2	Academic philosophy in the system of modern humanitarian science and education. Critical thinking in the context of the development of academic philosophy. Classical and non-classical logic.	2
3	Cognition as a mental process and intellectual activity. Thinking as a subject of studying critical thinking.	2
4	Logical form and logical law.	2
5	Methodology and methods of cognition. Problems and theories of truth in philosophy and critical thinking.	2
6	The main historical stages of the development of critical thinking.	2
7	Critical thinking in the system of sciences of the 21st century.	2
8	Language as a symbolic information system. Thinking and speech.	2
9	The concept of the language of the logic of statements and the logic of predicates.	2
10	Types of concepts and logical relations between concepts.	2
11	Judgment and its structure. Definition of complex judgment.	2
12	The structure of the inference. Typology of inferences.	2
13	The basic rules and laws of conclusions of the logic of statements. Term rules.	2
14	Figures of a simple categorical syllogism. Rules of syllogism figures.	2
15	Argument and dispute. Types of argumentation.	2
16	Eristics as the art of discussion.	2
17	Multi-valued and probabilistic logic. Concept of modal logic.	2
18	The role and importance of critical thinking in the structure of scientific knowledge, modern education and the spiritual culture of mankind.	2
19	Critical thinking in the structure of interpersonal interaction, social communication and the practice of international relations.	4
20	Critical thinking and global political forecasting. Special logical systems and global studies.	2
TOTAL		42

IV. EVALUATION POLICY

The instructor's evaluation policy regarding the student. consists in the consistent and purposeful implementation of the educational process based on the principles of transparency, accessibility, scientific validity, methodological expediency and responsibility of the educational process participants. The study of the discipline involves the constant work of students in each session. The environment during lectures and practical classes is creative, friendly, open to constructive criticism and discussion. Applicants should not be late for classes. Before starting the class, students must turn off the sound of their devices (mobile phones, smart watches, etc.). Students should prepare in advance for lectures and practical classes according to the list of recommended references. Before the start of the course, it is necessary to install Microsoft Office 365 applications (Teams, Forms, One Note) on mobile devices or laptops for testing and working with available course materials. Login to activate the account takes place through the corporate mail with the domain - @vnu.edu.ua.

Evaluation of education seekers is carried out by the Regulation on the current and final evaluation of the knowledge of students of Lesya Ukrainka Volyn National University (<https://tinyurl.com/yb94nttf>). Applicants listen to the discipline «Fundamentals of Critical Thinking» during the 6th semester, the semester control is a credit (total maximum number of points – 100 points). Assessment of current performance is carried out at each practice session. At the practical

session, the student receives grades for 1) oral survey, 2) level of mastery of theoretical knowledge and skills revealed in the discussion, 3) mastery of program topics during individual (independent) work.

In the case of missing a practical session, the student is obliged to complete it in full at consultations according to the schedule of practical sessions, but no later than the last week of the corresponding semester. For objective reasons (for example, illness, quarantine, international internship), training can take place individually (in an online form with the agreement of the dean of the faculty) or it can be completed at consultations by the established procedure. In the case of switching to distance education, the course is taught in the Microsoft Office 365 educational environment team by the Regulation on distance education and additional orders of the rectorate.

Academic Integrity Policy. The applicant must adhere to moral and ethical rules: do not skip classroom classes (in case of skipping, the reason must be documented); not appropriate someone else's intellectual work; in the case of citing scientific works, methodological developments, research results, tables, etc. you must indicate the link to the source. Topics, tasks, presentations are performed by the student exclusively independently without duplication and repetition, copying and compilation of text material. Debating while performing work is prohibited just like the use of mobile e-mail devices. The teacher and the student must comply with Art. 42 of the Law of Ukraine «On Education». All education seekers should familiarize themselves with the main provisions of the Code of Academic Integrity of Lesya Ukrainka Volyn National University and the Academic Integrity and Quality of Education Initiative – Academic IQ.

Deadlines and Retaking policy. All academic classes and work are conducted and completed on time according to the approved schedule. Rearranging modules, and working out individual topics take place with the permission of the dean's office if there are legal reasons.

V. FINAL CONTROL

In the 6th semester, the form of final control is a credit. The maximum number of scores that the applicant can score for the current educational activity while studying the OK is 100 scores. The minimum number of scores that the applicant must score for the current educational activity to enrol in the discipline is 60 scores.

VI. GRADING SCALE

Scores	Linguistic Grade
90-100	Passed
82-89	
75-81	
67-74	
60-66	
1-59	Fail (needed to retake)

Questions for credit:

1. The subject and method of critical thinking as a science.
2. The main problems of logical semantics.
3. The main problems of logical pragmatics.
4. Empirical reflection of reality.
5. Basic logical and philosophical approaches to understanding the truth.
6. Development of critical thinking in the ancient era.
7. Basic ideas of medieval (scholastic) critical thinking.

8. Development of critical thinking in modern times.
9. Prominent representatives of critical thinking of the 19th and 20th centuries.
10. Development of critical thinking in Ukraine.
11. Social purpose and functions of critical thinking.
12. The role of critical thinking in the formation of human intellectual culture.
13. The main types of logical errors and ways to overcome them.
14. Characteristics of the concept as a form of thinking.
15. Logical operations on concepts.
16. Classification and its role in science.
17. General characteristics of judgment as a form of thinking.
18. Specificity of modal judgments.
19. Relationship between judgments.
20. Logical operations on judgments.
21. Condition as a form of thinking.
22. The main types of inferences: deductive, inductive, and reductive.
23. Induction from the point of view of critical thinking.
24. The role of induction in cognition.
25. Hypothesis and its role in science.
26. Logical characteristic of analogy.
27. Logical characteristics of proof and refutation.
28. Theoretical and practical significance of critical thinking.
29. Cognition as a thought process.
30. Thinking as a subject of studying critical thinking.
31. Critical thinking as a science of the forms and laws of thinking.
32. Concept of logical form. Concept of logical law.
33. The problem of truth and formal correctness (reasonings) of thinking.
34. The main historical stages of the development of critical thinking.
35. Two concepts of the emergence of critical thinking in the context of culture.
36. Critical thinking at the threshold of the third millennium.
37. Vectority of the development of the value potential of critical thinking as a science in the postmodern period.
38. Thinking and speech. Language as a symbolic information system.
39. Logical analysis of language is a method of identifying logical forms and laws.
40. The concept of the language of the logic of statements. The concept of the language of predicate logic.
41. The role of artificial languages of logic in elucidating the structure of thought.
42. Propositional function.
43. Judgments and sentences.
44. The role of the question in knowledge.
45. The value of judgment as a form of thinking.
46. «Logical square».
47. Logical means of checking the correctness of proof and refutation.
48. Formulas representing the structure of always true thoughts.
49. Basic laws of critical thinking as formulas of true thoughts.
50. Laws of critical thinking of statements.
51. Laws of critical thinking of predicates.
52. The methodological role of the laws of critical thinking.
53. The basic rules and laws of conclusions of the logic of statements. Term rules.
54. Figures of a simple categorical syllogism. Rules of syllogism figures.
55. Modes of syllogism.
56. Shortened syllogism. Complex abbreviated syllogisms.
57. Analogy as a type of inference and its types.

58. Argumentation and dispute. Types of argumentation.

59. The role and importance of critical thinking in the structure of scientific knowledge, modern education and the spiritual culture of mankind.

VII. RECOMMENDED REFERENCES

1. Конверський А.Є. Логіка. Київ: ВПЦ «Київський університет», 2017. 391 с.
2. Партико З.В. Логіка. Підручник. Київ, В-во Ліра, 2020. 352 с.
3. Шепетяк О. М. Логіка. Підручник для студентів вищих навчальних закладів Київ: Фенікс, 2015. 256 с.
4. Бандурка О. О., Гвоздік О. І., Кравець В. М. Логіка для правознавців: навч. посіб. Київ: Нац. акад. внутр. справ, 2016. 144 с.
5. Гудзенко О. Г. Електронний освітній ресурс: «Логіка: дистанційний курс навчальної дисципліни» (рекомендовано до використання у навчальному процесі (Витяг із протоколу № 7 засідання науково-методичної ради Східноєвропейського національного університету імені Лесі Українки від 22 червня 2020 року) URL: <http://194.44.187.60/moodle/course/view.php?id=768/>
6. Гудзенко О. Г., Поляков В. Г. Тестові завдання для здійснення підсумкового контролю знань студентів у формі комп'ютерного тестування з дисципліни «Основи критичного мислення» <http://cit.eenu.edu.ua/wp-content/uploads/2018/11/TEST18-005.pdf>.
7. Гудзенко О. Г., Поляков В. Г. Програма навчальної дисципліни «Логіка» підготовки бакалавра, галузі знань 25 Воєнні науки, національна безпека, безпека державного кордону, спеціальності 251 Державна безпека, за освітньої програмою «Державна безпека». Луцьк, 2019. 33 с.
8. Гудзенко-Александрук О. Г. Логіка та філософія у вищому навчальному закладі як невід'ємні елементи гуманітаризації вищої освіти: методологічний та світоглядний аспекти. Національна освіта в стратегіях соціокультурного вибору: теорія, методологія, практика: матеріали IV Всеукраїнської науково-практичної інтернет-конференції з міжнародною участю, 20 травня 2020 року. Луцьк: Луцький педагогічний коледж, 2020. С.81-82.

Інтернет-джерела:

1. Загадки для кмітливих. URL: <http://zagadki.org.ua/>.
2. Логіка. Навчальні матеріали онлайн. URL: <https://pidruchniki.com>.
3. Український логічний портал. URL: <http://logic.net.ua>.
4. Riddles with Answers. URL: <https://riddles.tips/>.
5. Stanford Encyclopedia of Philosophy. URL: <http://plato.stanford.edu/>