

Ministry of education and science of Ukraine
Sumy national agrarian university
Faculty of economics and management
Department of Marketing and Logistics

Syllabus of the educational component

COMMUNICATION IN SCIENTIFIC AREA

(mandatory)

| | |
|---------------------|---|
| Specialty | H1 Agronomy |
| Educational program | Agronomy |
| HE level | doctor of philosophy the third (educational and scientific) level of higher education |

1. GENERAL INFORMATION ABOUT THE EDUCATIONAL COMPONENT

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|-----|--|--|----------|---------------------|
| 1. | Name of EC | Communication in scientific area | | |
| 2. | Faculty/Department | Faculty of Economic and Management / Department Marketing and logistics | | |
| 3. | State of EC | Obligatory | | |
| 4. | Program/Specialty (programs) of which the OC is a component (to be filled in for mandatory OCs) | Agronomy / H1 – Agronomy | | |
| 5. | Program/Specialty | - | | |
| 6. | Level of NFC | 8 | | |
| 7. | Semester and studying duration | Full-time 10 weeks, 2 semestr | | |
| 8. | ECTS credits number | 3 | | |
| 9. | Total workload and time allotment Language of instruction | Directed study | | Self-directed study |
| | | Lectures | Seminars | Labs |
| | | 20 | 20 | - |
| 10. | Lecturer/Leader of educational component | English | | |
| 11. | Contacts | Yurii Danko, Dr.Sci in Management, professor of Marketing and Logistics department. Consultations hours – every tuesday at 12.15, online; y.danko@snau.edu.ua | | |
| 12. | Educational component description | The discipline is a mandatory part of the training of doctors of philosophy. Studying the discipline provides the opportunity to communicate in the scientific environment, present research results, use a wide range of information exchange tools. The need to introduce the discipline is due to the activation of public relations, the development of social networks and other modern means of communication. | | |
| 13. | Educational component aim | The purpose of the discipline is to form a complex of knowledge and skills regarding the main theoretical and methodological approaches in the study of the phenomena of communicative practice, the formation of skills for practical participation in various types of communication. | | |
| 14. | Prerequisites for educational component studying, connection with other educational components of EP | The discipline is based on MC 3 Scientific Project Management and Intellectual Property Rights Registration and MC 4 Academic Writing in a Foreign Language. | | |

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| 15. | Policy of academic integrity | <p>According to the Code of Academic Integrity of the Sumy NAU, academic integrity is a set of principles, rules of behavior of participants in the educational process, aimed at forming an independent and responsible personality, capable of solving tasks in accordance with the educational level in compliance with the norms of law and social morality.</p> <p>Observance of academic integrity by students of higher education involves independent performance of educational tasks, tasks of current and final control, learning results.</p> <p>It is expected that students of higher education will adhere to the principles of academic integrity, being aware of the consequences of its violation, which is determined by the regulatory documents of the Sumy National Agrarian University, in particular the Code of Academic Integrity, the Regulations on the Prevention and Detection of Academic Plagiarism at the Sumy NAU (a full list of regulatory documents is posted on the university's website. https://snau.edu.ua/viddil-zabezpechennya-yakosti-osviti/zabezpechennya-yakosti-osviti/akademichna-dobrochesnist/).</p> <p>For violation of academic integrity, students of higher education may be held to the following academic responsibility:</p> <ul style="list-style-type: none"> - repeated assessment (test, exam, credit, etc.); - repeated completion of the training course; - warning; - issuing a reprimand; - expulsion from the university; (Part 5 of Article 48 of the draft Law of Ukraine "On Education"); - arrest or restriction of liberty, or deprivation of liberty, with deprivation of the right to hold certain positions or engage in certain activities with a fine. |
| 16. | Moodle link | 3499 |
| 17. | Keywords: | Communication, science, scientific discussion, public speaking |

2.LEARNING OUTCOMES UNDER THE EDUCATIONAL COMPONENT AND THEIR RELATIONSHIP WITH PROGRAM LEARNING OUTCOMES

| Learning outcomes for EC (MLOs): On successful completion the educational component, the student will be able... | Program learning outcomes, PLOs (specify the number according to the numbering given in EP) ¹ | | | | How is assessed |
|--|--|------------------|------------------|------------------|---|
| | PLO ₂ | PLO ₃ | PLO ₅ | PLO ₆ | |
| MLOs 1. To develop effective oral communications, including active listening, with both specialists and non-specialists in the relevant field based on the principles of effective communication. To critically evaluate information obtained from various communication channels. | | | | x | Presentati on of the research task being carried out by the applicant |
| MLOs 2. To articulate and present scientific hypotheses in a language accessible to the interdisciplinary scientific community, justifying their relevance to contemporary issues in agronomy. To develop a logical structure for scientific reports and presentations. | x | | | x | Analytica l report on the results of the applicant' s research |
| MLOs 3. To present the structure and stages of experimental research in the form of grant applications or scientific projects. To transform the results of one's own statistical and experimental data into clear visual formats. To synthesize the results of one's research within the context of global challenges. | x | | | x | Panel discussio n (with the participat ion of internatio nal PhD students/ applicant s, where possible) |
| MLOs 4. Ability to publicly justify the choice of research methodology and tools to the scientific community, proving their relevance to current global trends in agronomy. Capability to identify pressing scientific and technological challenges in agronomy by applying critical analysis to modern global achievements. | x | | | | Presentati on (any cultural aspect related to a country, region, city, etc. – at the applicant' s choice) |

PLO 2. To formulate and test hypotheses; to justify and interpret the results of theoretical analysis, experimental research, and mathematical or computer modeling.

PLO 3. To plan and conduct theoretical and experimental research in agronomy and related scientific fields using modern methods, technologies, and tools; to critically analyze the results of one's own research and the findings of other researchers within the context of the entire body of contemporary knowledge regarding the problem under study.

PLO 5. To fluently present and discuss research findings, as well as scientific and applied problems in agronomy, with both specialists and non-specialists in the state and foreign languages; to proficiently represent research results in scientific publications within leading international journals.

PLO 6.. To develop and implement scientific and innovative projects that enable the resolution of scientific, technological, economic, and organizational problems in agronomy, while adhering to the norms of academic ethics and considering technical, social, economic, environmental, and legal aspects.

3.CONTENT OF THE EDUCATIONAL COMPONENT (CURRICULUM PROGRAM)

| Topic. List of issues to be considered within the topic | Distribution within the general time budget | | | Learning resources |
|--|---|---|-----------------|---|
| | Class work | | Individual work | |
| Topic 1. Typology of communication Approaches to the typology of communication. The main forms of typology: type, classification, systematics, taxonomy. Verbal form of communication. The role of language in verbal communication. Nonverbal forms of communication: facial expressions, body movements, clothing. Nonverbal codes. Distribution of communication by levels. | 2 | 2 | 4 | Core Reading: 1-7; Supplementary Reading: 1-5; Methodological Support: 1-5; Information Resources: 1-6. |
| Topic 2. The communicative process as the basis of communication review. The communicative process and its structure are considered, models of communication as transmission, ritual, attraction of age and reception are analyzed; effects of communication as a desired goal in interaction; laws of communication as non-rigid tendencies of communication. | 2 | 2 | 4 | Core Reading: 8-11; Supplementary Reading: 6-9, 26; Methodological Support: 1-5; Information Resources: 1-6. |

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|--|---|---|----|---|
| <p>Topic 3. Verbal and non-verbal communication. Features of verbal communication, in particular the specifics of oral verbal communication, their typology, the structure of public speaking and recommendations for presenting a speech; types of speeches; communication using written language; speechwriting.</p> | 2 | 2 | 4 | <p>Core Reading: 4, 7, 12; Supplementary Reading: 3, 10, 27; Methodological Support: 1-5; Information Resources: 1-6.</p> |
| <p>Topic 4. Communication technologies for promoting scientific results. The concept of "technology", its components: systematicity, mass, algorithmicity. Analysis of basic communication technologies. Development of communication technologies at the present stage. Propaganda. Historical origins of propaganda. Specifics of propaganda. Use of propaganda technologies in election campaigns, military operations and the social sphere. Propaganda campaign: goal and objectives. Public relations - public relations (PR).</p> | 2 | 2 | 6 | <p>Core Reading: 8, 13 14; Supplementary Reading: 11, 13, 25,28; Methodological Support: 1-5; Information Resources: 1-6.</p> |
| <p>Topic 5. Communication channels and barriers in the scientific activity of a marketer The concept of "communication channel". Types of communication channels. Characteristics of the main communication channels. Selection and use of communication channels for carrying out a communicative action. Natural, technical, hybrid, artistic communication channels. Definition of the concept of "communication barrier".</p> | 2 | 2 | 6 | <p>Core Reading: 4, 8, 13; Supplementary Reading: 14-16, 28; Methodological Support: 1-5; Information Resources: 1-6.</p> |
| <p>Topic 6. Mass communication. Mass media and information Mass media and information Features of the mass communication process as a social phenomenon. The concept of "mass media" (MSM). Classification of MSM. Characteristics of the main types of MSM. Main types and channels of MSM. Correlation of the concepts of "mass media" (MSM) and "mass media" (MSM). Theories of the influence of MSM on the audience. Methods and forms of the influence of MSM on mass consciousness. Theory of social responsibility of MSM. MSM,</p> | 4 | 4 | 12 | <p>Core Reading: 8, 13; Supplementary Reading: 17, 21, 29; Methodological Support: 1-5; Information Resources: 1-6.</p> |

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|---|----|----|----|---|
| government, public. Public broadcasting. Printed MSM. Classification and characteristics of printed publications. Main advantages and disadvantages of printed publications in the modern communicative space. Types and types of printed publications: newspaper, magazine, leaflet, press release. Television communication: realities, traditions and modernity. Program product on television. Features of the impact of television news on the audience. Radio. Characteristic features of radio broadcasting. Using the potential of the radio channel in social communication. The role of radio in mass culture. Main communicative discourses. | | | | |
| <p>Topic 7. New media in the system of communications in the scientific environment</p> <p>Electronic media. Characteristics of electronic media. Features of the use of electronic media in communication campaigns.</p> <p>"Cold" and "hot" media (M. McLuhan). Internet and globalization of the communicative space. Information and communicative flows based on Internet technologies. Communicative features of the media "gatherings" (Maidan). Types and forms of public speeches: speech, report, sermon, review of events. Language and ritual signs. Social networks.</p> | 2 | 2 | 8 | <p>Core Reading: 8, 12, 13, 15; Supplementary Reading: 17, 22; Methodological Support: 1-5; Information Resources: 1-6.</p> |
| <p>Topic 8. International and intercultural communications Culture as a type of communication. Concept and spheres of intercultural communication; concept of uncertainty situation and uncertainty reduction; culture shock. Examples of models of cultural communication. Literary model of Y. Lotman. Social and communicative function of the text. Mythological model of communication of B. Malinovsky. Theory of ritual. Culturems: components of culture. Elite and mass culture. Types of discourses of cultural communication. Cinema discourse. Theatrical discourse. Intercultural ties.</p> | 4 | 4 | 6 | <p>Core Reading: 4, 5, 10, 16; Supplementary Reading: 9, 23, 24; Methodological Support: 1-5; Information Resources: 1-6.</p> |
| Total | 20 | 20 | 50 | |

4. TEACHING AND LEARNING METHODS

| MLO | Teaching methods (work to be carried out by the teacher <u>during classroom classes</u> , consultations) | Teaching methods (what types of educational activities should the student <u>perform independently</u>) |
|--|--|--|
| MLOs 1. To develop effective oral communications, including active listening, with both specialists and non-specialists in the relevant field based on the principles of effective communication. To critically evaluate information obtained from various communication channels. | Verbal methods: lecture, explanation, educational discussion | Method of ready knowledge |
| | Visual methods: demonstration | Method of formation of abilities and skills |
| | Practical methods: practical works, individual calculation and analytical tasks | Research method |
| | Method of tutoring | Methods of checking and evaluating knowledge, abilities and skills |
| MLOs 2. To articulate and present scientific hypotheses in a language accessible to the interdisciplinary scientific community, justifying their relevance to contemporary issues in agronomy. To develop a logical structure for scientific reports and presentations. | Verbal methods: lecture, explanation, educational discussion | Method of ready knowledge |
| | Visual methods: demonstration | Method of formation of abilities and skills |
| | Practical methods: practical works, individual calculation and analytical tasks | Research method |
| | Method of tutoring | Methods of checking and evaluating knowledge, abilities and skills |
| MLOs 3. To present the structure and stages of experimental research in the form of grant applications or scientific projects. To transform the results of one's own statistical and experimental data into clear visual formats. To synthesize the results of one's research within the context of global challenges. | Verbal methods: lecture, explanation, educational discussion | Method of ready knowledge |
| | Visual methods: demonstration | Method of formation of abilities and skills |
| | Practical methods: practical works, individual calculation and analytical tasks | Research method |
| | Method of tutoring | Methods of checking and evaluating knowledge, abilities and skills |
| MLOs 4. Ability to publicly justify the choice of research methodology and tools to the scientific community, proving their relevance to current global trends in agronomy. Capability to identify pressing scientific and | Verbal methods: lecture, explanation, educational discussion | Reading (studying theoretical material) preparing a presentation Peer to peer learning |

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|--|--|--|
| technological challenges in agronomy by applying critical analysis to modern global achievements | | |
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5. EVALUATION BY THE EDUCATIONAL COMPONENT

5.1.1 To assess the expected learning outcomes, it is provided:

| № | Methods of summative assessment | Points / Weight in the overall assessment | The date of compilation |
|----|---------------------------------|---|-------------------------|
| 1. | Presentitation | 20/20% | 4 week |
| 2. | Individual task | 40/40% | 5 week |
| 3. | Panel discussion | 20/20% | 9 week |
| | Presentitation | 20/20% | 10 week |

* List of recommended topics for researching current problems of the development of communicative processes in scientific activity:

1. Features of presenting a report at a foreign conference
2. Features of business correspondence with a scientific journal
3. Features of business correspondence with a scientific partner
4. Formation of a scientific channel in a social network
5. Creation of scientific video content
6. Scientific blog

5.1.2 Evaluation criteria

| Component | Unsatisfactory | Satisfactory | Good | Excellent |
|-----------------|--|--|--|---|
| Cases | < 15 points | 15-24 points | 25-35 points | 36-40 points |
| | The task requirements have not been fulfilled | Most of the requirements are met, but individual components are missing or insufficiently disclosed, there is no analysis of other approaches to the issue | All requirements of the task have been fulfilled | All the requirements of the task were met, creativity and thoughtfulness were demonstrated, and an own solution to the problem was proposed |
| Individual task | <18 points | 18-21 points | 22-26 points | 27-30 points |
| | the correct answer was provided for less than 60% of the tasks | the correct answer was provided for 60%-74% of the tasks | the correct answer was provided for 75%-89% of the tasks | 90% or more tasks were answered correctly |
| Test | <18 points | 18-21 points | 22-26 points | 27-30 points |
| | The task requirements have not been fulfilled | Most of the requirements are met, but some components are missing or | All requirements of the task have been fulfilled | All the requirements of the task were met, creativity and thoughtfulness were demonstrated, and an |

| | | | | |
|--|--|--------------------------|--|--|
| | | insufficiently disclosed | | own solution to the problem was proposed |
|--|--|--------------------------|--|--|

5.2. Formative assessment:

5.2.1 To evaluate the current progress in education and understand the areas of further improvement, is provided

| № | Elements of formative assessment | Date |
|---|---|--|
| 1 | Written survey following the completion of topics with instructor feedback. | 15 minutes at the end of the class upon completion of the topic. |
| 2 | Oral instructor feedback during situational tasks throughout the classes. | The next class after completing a new topic. |
| 3 | Testing via Google Forms | At each practical session (entry-level control) |
| 4 | Oral examination | Upon completion of a new topic |

Self-assessment can be used as an element of summative assessment and formative assessment.

5.3 Total number of points for EC and rating scale

The total number of points for the educational component is 100 points.

5.3.1. Evaluation scale operating at the University:

| The sum of points for all types of educational activities | Evaluation on a national scale | |
|---|--|---|
| | For an exam, course project (work), practice, qualification work | For a credit |
| 90 – 100 | excellent | passed |
| 82-89 | good | |
| 75-81 | satisfactory | |
| 69-74 | | |
| 60-68 | not satisfactory with the possibility of retaking | not passed with the possibility of retaking |
| 35-59 | | |
| 0-34 | actory with obligatory repeated study of the discipline | not passed with obligatory repeated study of the discipline |

REFERENCES

6.1. Core Reading

- 1.Hofmann, A. H. (2022). Scientific writing and communication: Papers, proposals, and presentations (5th ed.). Oxford University Press. 784.
- 2.Illingworth, S., & Allen, G. (2025). Effective Science Communication: A Practical Guide to Surviving as a Scientist (3rd ed.). IOP Publishing. 250.
- 3.Chaika H. L. (2020). Academic Writing: A Study Guide. Kyiv: Znannia, 2014. 214.
- 4.Chaika H. L. (2020). Business Communication Culture: A Study Guide. Kyiv: Znannia, 422 p.
- 5.Matsko O. M. (2021). Modern Ukrainian in Scientific Communication: A Study Guide. Kyiv: Kyiv University Publishing and Polygraphic Center, 256.
- 6.Onufriieva L. A. (2022). Psychology of Communication: A Study Guide. Kamianets-Podilskyi: Aksioma, 216.
- 7.Shapoval Yu. H. (2023). Academic Writing and Scientific Communication: A Study and Methodological Guide. Lviv: Ivan Franko National University of Lviv, 180.
- 8.Rizun V. V. (2021). Theory of Mass Communication: A Textbook. Kyiv: Kyiv-Mohyla Academy Publishing House, 320.
- 9.Semeniuk O. A., Parashchuk V. Yu. (2020). Fundamentals of Language Communication Theory: A Study Guide. 2nd ed., rev. and enl. Kyiv: Akademiia, 256.
- 10.Onufriieva L. A. Psychology of Communication: A Study Guide. Kamianets-Podilskyi: Aksioma, 216.
- 11.Scientific Communication: A Study Guide / Ed. by O. V. Katyshev. Kharkiv: V. N. Karazin Kharkiv National University, 2023. 192.
12. Matsko O. M. (2021). Modern Ukrainian in Scientific Communication: A Study Guide. Kyiv: Kyiv University Publishing and Polygraphic Center, 256.
13. Pocheptsov H. H. (2020) Communication in the Digital Age. Kyiv: Kyiv-Mohyla Academy Publishing House. 320.
14. Yakovenko A. O. (2022). Communicative Management in the Scientific Sphere: A Monograph. Odesa: Helvetica. 240.
15. Hretskykh V. I. Sokolovska, N. I. Public Speaking and Oratory: A Study Guide. Odesa: ORIDU NADU. 2020. 184.
16. Batsevykh F. S. Fundamentals of Communicative Linguistics: A Textbook. 3rd ed. Kyiv: Akademiia, 2021. 264.

6.2. Supplementary Reading

- 1.Cristina Hanganu-Bresch, Michael J. Zerbe, Gabriel Cutrufello, Stefania M. Maci. (2022). The Routledge Handbook of Scientific Communication. Routledge. 484.
- 2.Vasiliev H. Yu. (2021). Digital Science and Open Access: New Challenges for Scientific Communications. *Bibliotechnyi Forum: Istoriia, Teoriia i Praktyka (Library Forum: History, Theory and Practice)*, no. 2, pp. 3-7.
- 3.Kolienova H. V., Tepla O. M. (2023). Non-verbal Communication as a Component of Professional Interaction. *Aktualni Pytannia Humanitarnykh Nauk (Current Issues of the Humanities)*, vol. 60, no. 2, pp. 112-118.
- 4.Korniiat O. V. (2022). Psychological Features of Non-verbal Communication in Professional Activity. *Habitus*, no. 37, pp. 145-149.
- 5.Melnychuk T. I. (2021). Culture of Non-verbal Communication in the Academic Environment. *NaUKMA Research Papers. Sociology*, vol. 4, pp. 45-52.
- 6.Bidziura V. V. (2022). Communicative Laws and Their Role in the Professional Activity of a Scientist. *Proceedings of the National Aviation University*. 1 (35). 44-51.
- 7.Hrytsenko O. M. (2023). Communication Models in the Context of Contemporary Media Studies: From Transmission to Participation. *State and Regions. Series: Social Communications*, no. 2 (54), pp. 12-19.

8. Dutko N. V. (2021). Reception of Scientific Text within the System of Professional Communication. *Research Notes. Series: Philological Sciences*. 191. 104-110.
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13. Dutko N. V. (2021). Propaganda as a Tool for Shaping Public Opinion: Historical Aspect. *NaUKMA Research Notes*. 6, 15-22.
14. Куліш А. С. (2022). Communication Barriers in Professional Activity: Essence and Ways of Overcoming. *Habitus*. 41. 158-163.
15. Iakovenko A. O. (2022). *Communication Management in the Scientific Field: a monograph*. Odesa: Helvetica, 240.
16. Onufriieva L. A. (2022). *Psychology of Communication: a study guide*. Kamianets-Podilskyi: Axioma, 216.
17. Horodenko L. M. (2021). Social Networks as a Means of Mass Communication. *Scientific Notes of Taurida V. I. Vernadsky National University. Series: Philology. Social Communications*. 32 (71), 2. 144-149.
18. Lyzanchuk V. V. (2022). Specifics of the Influence of Television News on the Formation of Public Opinion. *Information Space*. 4. pp. 11-20.
19. Mashchenko I. H. (2020). Radio Broadcasting within the System of Social Communications: Traditions and Innovations. *Research Notes of the Institute of Journalism*. 76. 45-53.
20. Dutko N. V. (2023). Public Service Broadcasting as a Guarantor of Democratic Transformations in Society. *State and Regions. Series: Social Communications*. 1. 88-94.
21. Cheremnykh O. V. (2023). Evolution of Print Media in the Context of Convergence. *Habitus*, 48, 112-117.
22. Белявцева Т. В. (2022). The Communicative Model of "Maidan" (Assembly) in the Contemporary Socio-Cultural Space. *Bulletin of V. N. Karazin Kharkiv National University. Series: Social Communications*. 20. 33-39.
23. Bieliavtseva T. V. (2022). Yuri Lotman's Semiotic Approach to the Analysis of Cultural Communication. *Bulletin of V. N. Karazin Kharkiv National University. Series: Social Communications*. 21. 15-22.
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<https://doi.org/10.32782/bsnau.2023.4.8>
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28. Danko, Yu., & Ladyka, N. (2023). Modern aspects of the development of small innovative entrepreneurship in the agricultural sector of the economy. *Bulletin of Sumy National Agrarian University*, (1 (93)), 34-39. <https://doi.org/10.32782/bsnau.2023.1.5>

29. Shevchenko T., **Danko Y.** Consumer Behaviors in the Circular Economy with Special Focus on Eproducts. Development in E-waste Management: Sustainability and Circular Economy Aspects. 2023. pp. 233–242. <https://doi.org/10.1201/9781003301899>

6.3. Methodological Support

1. Agronomy: textbook for postgraduate students / A. V. Melnyk, V. I. Trotsenko, Yu. H. Mishchenko, Yu. I. Danko et al.; under the general editorship of A. V. Melnyk and Yu. I. Danko. Odesa: Oldi+. 2025. 525 p.; ill. + tabl. («Postgraduate's Helper» Series).
2. **Danko, Yu. I.**, Lyamar, V. V., & Blyumska-Danko, K. V. (2021). Brand management and public relations of the enterprise: a study guide. Sumy: "Universytetska Knyha", 264 p.
3. **Danko, Yu. I.**, Orel, A. M., & Blyumska-Danko, K. V. (2021). Agricultural marketing: a study guide. Sumy: "Universytetska Knyha", 252.
4. Lyshenko, M. O., **Danko, Yu. I.**, & Mushtai, V. A. (2022). Methodology of scientific research and maintaining the principles of academic integrity. Study guide. Sumy National Agrarian University. Sumy: SNAU, 170.
5. Circular economy: a study guide [Electronic resource] / Shevchenko, T. I., Shuptar-Poryvaieva, N. Yo., Hubanova, O. R., **Danko, Yu. I.** [et al.]. – Sumy: Universytetska Knyha, 2022. 220.

6.4. Information resources

Online course platforms:

1. Prometheus (Ukraine): Course «Academic Integrity: Online Course for Teachers» (Updated Content 2021-2023). <https://www.coursera.org/learn/sciwrite>
2. Coursera / Stanford University: Course «Writing in the Sciences»: <https://www.coursera.org/learn/sciwrite>

Web Resources and Databases:

3. COPE (Committee on Publication Ethics): Official Cases and Protocols for Resolving Ethical Conflicts in Science (Updated 2024-2025).
4. Think. Check. Submit: An international service that helps researchers identify reliable journals and avoid "predatory" publications.
5. Web of Science Academy: Free training sessions from database developers on manuscript preparation and the peer-review process (updated annually). <https://webofscienceacademy.clarivate.com/>
6. Scopus Academy / Elsevier Researcher Academy: Free training sessions from database developers on manuscript preparation and the peer-review process (updated annually). <https://researcheracademy.elsevier.com/>