**Brief contents of lectures**

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| to form the understanding and the ability of using of the principles and practices of Scientific writing to do own publish scientific results. | **Module 1 Fundamentals of Scientific Writing (Cognitive).** | |
| LО1-1: name and demonstrate the object of scientific writing and its concept. | * + 1. Determine the scientific writing objects.     2. Demonstrate the basic concepts of scientific writing. |
| **Module 2 Scientometric databases (Cognitive, Functional).** | |
| LО2-1: explain the goal and working principle of scientometric databases as Scopus, Web of Science, SCI, SCIE, SSCI. | * + 1. Define the concept of scientometric databases.     2. Describe the technology of working with scientometric databases. |
| LО2-2: apply searching necessary literatures in scientometric databases. | 2.2.1 Demonstrate the application of  scientometric databases in own research and literature review. |
| **Module 3 Review paper types (Cognitive, Functional, Systemic)** | |
| **LО3-1:** Describe Review paper types and goals | * + 1. Describe the systematic review model.     2. Demonstrate the common review paper model.     3. Demonstrate literature review in scientometric databases by queries. |
| **LО3-2:** Describe and apply review paper structure | * + 1. Describe Abstract writing for a review paper     2. Demonstrate Application of Literature Review part for a review paper     3. Demonstrate the Problem Statement of Literature review research |
| **LО3-3:** Describe and apply literature review | 3.3.1 Describe and compare techniques for Literature review and citing the literatures |

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|  |  | * + 1. Demonstrate the comparative analysis of literatures.     2. Demonstrate the critical review of literatures. |
| LО3-4: Describe and apply a Problem clarification and Research question | * + 1. Describe clarification of the research problem.     2. Demonstrate the application of querying.   3.4.3. Demonstrate inclusion and exclusion process of the literature |
| **LО3-5:** Describe and apply a review paper writing | * + 1. Describe standard review paper structure.     2. Demonstrate application of citing methods.     3. Demonstrate Discussion and Conclusion parts of the review. |
| **Module 4 Research papers (Cognitive, Functional, Systemic)** | |
| **LО4-1:** Describe and apply research paper structure | * + 1. Describe and compare Research and Review paper goals     2. Demonstrate research paper structure |
| **LО4-2:** Describe and apply writing principles of research papers | * + 1. Describe writing an abstract and problem statement of a research paper.     2. Demonstrate the scientific novelty of own research. |
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| **Module 5 ScholarOne Manuscript submission guidelines (Cognitive, Functional)** | |
| **LО5-1:** demonstrate the manuscript submission to journals and conferences | * + 1. Determine the manuscript submission to scientific conferences in appropriate format.     2. Demonstrate the manuscript submission to scientific journals in appropriate format. |
| **Module 6 Writing research design and results (Cognitive, Functional)** | |
| **LО6-1:** Describe and apply Methods of Research paper writing | * + 1. Describe dissertation structure.     2. Demonstrate the goals of parts of a dissertation. |
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| **Prerequisites** | - | |
| **Post requisites** | Writing scientific articles | |
| **Information resources** | Basic Literature:   1. Angelika H. Hofmann. Scientific Writing and Communication: Papers, Proposals, and Presentations. Oxford University Press, Nov 15, 2019 - Communication in science - 768 pages 2. El-Sadig Y. Ezza, Touria Drid. Teaching Academic Writing As a Discipline- Specific Skill in Higher Education. IGI Global, 27 дек. 2019 г. - Всего страниц: 300   Complementory literature:   1. Michael Alley. The Craft of Scientific Writing. Springer, 21 мар. 2018 г. - Всего страниц: 298. 2. Steven C. Roe, Pamela H. den Ouden. Academic Writing, Third Edition: The Complete Guide. Canadian Scholars, 26 апр. 2018 г. - Всего страниц: 346 3. N. Gurumani. Scientific Thesis Writing and Paper Presentation. MJP Publisher, 11 июн. 2019 г. - Всего страниц: 460. | |

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| **Module 1 Fundamentals of** | | | | | | | |
| **Scientific Writing** | | | | | | |  |
| 1 | **PT 1** Object of scientific writing and its main components | LО 1 | ID 1.1.1,  ID 1.1.2 | 2 | 6 | TK | Offline |
| 1 | **IWS1** Object of scientific writing concepts | LО 1 | ID 1.1.1,  ID 1.1.2 |  | 12 | IT |  |
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| 2 | **PT 2** Scientometric databases and how to search from them | LО 1 | ID 1.1.1,  ID 1.1.2 | 2 | 6 | TK | Offline |

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| 2 | **IWS2** Searching necessary literatures | LО 1 | ID 1.1.1,  ID 1.1.2 |  | 12 | IT | | |  |  |
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| 3 | **PT 3** Querying in scientometric databases. | LО 1 | ID 1.1.1,  ID 1.1.2 | 2 | 6 | TK | | | Offline | |
| 3 | **IWS3** Find necessary documents by querying and search from them | LО 1 | ID 1.1.1,  ID 1.1.2 |  | 12 | IT | | |  | |
| 3 | **IWST1** Consultation on the implementation of IWS1, IWS2, IWS3 | LО 1 | ID 1.1.1,  ID 1.1.2 | 1 |  |  |  |  | Offline | |
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| **Module 2 Scientometric databases** | | | | | | | | | | |
| 4 | **PT 4** How to use Scopus database. | LО 2-1 | ID 2.1.1,  ID 2.1.2 |  | 6 | TK | | | Offline | |
| 4 | **IWS4** Searching from Scopus | LO 2-1 | ID 2.1.1,  ID 2.1.2 |  | 12 | IT | | |  |  |
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| 5 | **PT 5** Application of Sciencedirect for literature searching. | LО 2-2 | ID 2.2.1 |  | 6 | TK | | | Offline | |
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| 5 | **IWS 5** Application of Sciencedirect and find necessary literature by querying | LО 2-2 | ID 2.2.1 |  | 12 | IT | | |  | |
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|  | **IWST2** Consultation on the implementation of IWS4, IWS5 | LО 1,  LO 2 | ID 2.1.1,  ID 2.1.2,  ID 2.2.1 |  |  |  | | | Offline | |
| 5 | **MC 1** | LО 1  LO 2 |  |  | 100 |  | | |  | |
| **Module 3 Review paper types** | | | | | | | | | | |
| 6 | **PT 6** Systematic review model | LО 3-1 | ID 3.1.1,  ID 3.1.2,  ID 3.1.3 | 2 | 6 | TK | | | Offline | |
| 6 | **IWS6** Read 10 systematic review paper in own research subject | LO 3-1 | ID 3.1.1,  ID 3.1.2,  ID 3.1.3 |  | 12 | IT | | |  | |
| 7 | **PT 7** Common review paper model. | LО 3-2 | ID 3.2.1,  ID 3.2.2,  ID 3.2.3 | 2 | 6 | TK | | | Offline | |
| 7 | **IWS7 R**ead 10 review paper in own research subject |  | ID 3.2.1,  ID 3.2.2,  ID 3.2.3 |  | 12 | IT | | |  | |
| 7 | **IWST3** Consultation on the implementation of IWS6, IWS7 | LО 3-1,  LO 3-2 | ID 3.1,  ID 3.2 | 1 |  |  | | | Offline | |
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| 8 | **PT 8** Abstract writing for a review paper. | LО 3-3  LO 3-4 | ID 3.3,  ID 3.4 | 2 | 6 | TK | | | Offline |
| 8 | **IWS 8** Literature review in scientometric databases by queries. | LО 3-3,  LO 3-4 | ID 3.3,  ID 3.4 |  | 12 | IT | | | |
| 9 | **PT 9** Demonstrate Application of Literature Review part for a review paper. | LО 3-5 | ID 3.5.1,  ID 3.5.2,  ID 3.5.3 | 2 | 6 | TK | | | Offline |
| 9 | **IWS9** Demonstrate the Problem Statement of Literature review research. | LО 3-5 | ID 3.5.1,  ID 3.5.2,  ID 3.5.3 |  | 12 | IT | | |  |
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| 9 | **IWST4** Consultation on the implementation of IWS8, IWS9 | LO 3-3,  LО 3-4,  LO 3-5 | ID 3.3,  ID 3.4,  ID 3-5 | 1 |  |  | | | Offline |
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| **Module 4 Research papers** | | | | | | | | | |
| 10 | **PT 10** Compare Research and Review paper goals. | LО 4-1 | ID 4.1.1,  ID 4.1.2 | 2 | 6 | TK | | | Offline |
| 10 | **IWS 10** Demonstrate research paper structure. | LО 4-1 | ID 4.1.1,  ID 4.1.2 |  | 12 | IT | | | |
| 10 | **МТ (Midterm Exam)** | LO 1,  LO 2,  LО 3 | ID 1,  ID 2,  ID 3 |  | 100 |  | | | |
| 11 | **PT 11** Describe writing an abstract and problem statement of a research paper. | LО 4-2 | ID 4.2.1,  ID 4.2.2 | 2 | 6 | TK | | | Offline |
| 11 | **IWS11** Demonstrate the scientific novelty of own research. | LO 4-2 | ID 4.2.1,  ID 4.2.2 |  | 12 | IT | | |  |
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| 11 | **IWST5** Consultation on the implementation of IWS10, IWS11 | LО 4-1,  LO 4-2 | ID 4.1,  ID 4.2 | 1 |  |  | | | Offline |
| **Module 5 ScholarOne Manuscript submission guidelines** | | | | | | | | | |
| 12 | **PT 12** Determine the manuscript submission to scientific conferences in appropriate format. | LО 5-1 | ID 5.1.1,  ID 5.1.2 | 2 | 6 |  | TK |  | Offline |
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| 12 | **IWS12** Demonstrate the manuscript submission to scientific journals in appropriate format. | LО 5-1 | ID 5.1.1,  ID 5.1.2 |  | 12 | IT | | | |
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| 13 | **PT 13** Demonstrate the manuscript submission to scientific journals in appropriate format. | LО 5-1 | ID 5.1.1,  ID 5.1.2 | 2 | 6 | TK | | | Offline |

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| 13 | **IWS13** Demonstrate the scientific novelty of own research. | LО 5-1 | ID 5.1.1,  ID 5.1.2 |  | 12 | IT | | |  |
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| 13 | **IWST6** Consultation on the implementation of | LO 5-1 | ID 5.1.1, | 1 |  |  | | | Offline |
|  | IWS12, IWS13 |  | ID 5.1.2 |  |  |
| **Module 6 Writing research design and results** | | | | | | | | | |
| 14 | **PT 14** Determine the manuscript submission to scientific conferences in appropriate forma. | LО 6-1 | ID 6.1.1,  ID 6.1.2 | 2 | 6 |  | TK |  | Offline |
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| 14 | **IWS14** Demonstrate the manuscript submission to scientific journals in appropriate format. |  |  |  | 12 | IT | | |  |
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| 15 | **PT 15** Describe dissertation structure e. | LО 6-1 | ID 6.1.1,  ID 6.1.2 | 2 | 6 | TK | | | Offline |
| 15 | **IWS15** Demonstrate the goals of parts of a  dissertation. |  |  |  | 12 | IT | | |  |
|  | **IWST7** Consultation on the implementation of IWS14, IWS15 | LО 6-1 | ID 6.1.1,  ID 6.1.2 | 1 |  |  | | | Offline |
|  | **MC 2** | LО 4,  LO 5, | ID 4.1,  ID 4.2, |  | 100 |  | | |  |
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|  | LO 6 | ID 5.1, |  |
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[Abbreviations: QS - questions for self-examination; TK - typical tasks; IT - individual tasks; CW - control work; MC- midterm control, MT – midterm exam.

Comments:

* Form of L and PT: webinar in MS Teams / Zoom (presentation of video materials for 10-15 minutes, then its discussion / consolidation in the form of a discussion / problem solving / ...)
* Form of carrying out the CW: webinar (at the end of the course, the students pass screenshots of the work to the monitor, he/she sends them to the teacher) / test in the Moodle DLS.
* All course materials (L, QS, TK, IT, etc.) see here (see Literature and Resources, p. 6).
* Tasks for the next week open after each deadline.
* CW assignments are given by the teacher at the beginning of the webinar.]