

Scientific Index Search

Course Workload		Assessment form (examination/ graded test/ ungraded test)
ECTS	Hours	
3	108	Ungraded test

This discipline will help you master key skills for a successful academic career. We will consider practical issues of applying Scientometrics methods, the possibilities and limitations of bibliometric indicators when making decisions about the effectiveness of scientific activities of scientists, research teams, organizations and countries. Let us get acquainted with information about scientific databases hosted on the SciVal and Web of Science Core Collection platforms. Let us discuss the use of artificial intelligence in scientific research. You will learn how to search for scientific information in scientific databases and using artificial intelligence tools.

Course structure:

1. Methods of scientific knowledge

- 1.1. Typology of methods of scientific knowledge
- 1.2. Methodological principles of conducting scientific research during the preparation of a master's thesis

2. SciVal online platform (Elsevier product): Scopus database

- 2.1. SciVal: a tool for assessing and planning research activities
- 2.2. Identifying trends in scientific research

3. Web of Science Core Collection (product of Clarivate): a database of scientific research results

- 3.1. New WoS: basic search, new features and new features
- 3.2. Journals: good, bad and predatory. The design of the publication
- 3.3. Beamplots. A new standard for citation statistics
- 3.4. Choosing a scientific journal to publish: due diligence

4. The use of artificial intelligence to search for scientific information

- 4.1. Artificial intelligence tools for finding scientific information
- 4.2. The basics of mining and the features of large language models