

Course name: **How to Read and Understand a Scientific Article**

Number of hours: **15**

Number of ECTS: **2**

Students will learn:

- How to navigate scientific databases and other research tools to find relevant literature.
- Strategies for organizing and managing scientific sources.
- The different types of scientific publications, including systematic reviews, meta-analyses, empirical studies, and case studies.
- The standard structure of a research article (introduction, methods, results, discussion) and the key characteristics of each section.
- Approaches to critically analysing and interpreting research findings.
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- Scientific literature reading – students’ experiences, practices, attitudes
- Searching for scientific literature
- Organizing and managing academic sources
- Types of scientific publications and how to identify them
- Structure and characteristics of a scientific article
- Analysis of a sample empirical article in the field of edtech/ gifted education
- Critical analysis and interpretation of research
- Approaches to reading scientific papers
- The publication process and peer review
- Models of access and funding for scientific publications
- Trust, ethics, and threats in science

Students will be assessed on two components:

o Activities in the classroom (weight: 40% of the overall mark) – activity sheets and other tasks to be completed during class.

o An in-class test that measures comprehension of a research article chosen by the tutor (weight: 60% of the overall mark).