

OFERTA

zajęć fakultatywnych

na kierunku **pedagogika zdolności i informatyki** studia pierwszego stopnia stacjonarne
do realizacji w roku akademickim 2025/2026

II rok, rocznik 2023-2024

Student/-ka II roku wybiera z oferty do realizacji w semestrze zimowym 2025/2026:

- jeden 15-godzinny (2 ECTS) **Fakultet w języku obcym**

Nazwa przedmiotu: **How to read and understand a scientific article**

Prowadząca: dr Małgorzata Korko

Forma zajęć: warsztaty

Liczba godzin: 15

Liczba ECTS: 2

Opis: This elective course equips students with the skills to effectively search, read, understand, and critically evaluate scientific research papers, with a special focus on emerging technologies in education.

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.

Additionally, the course will cover key aspects of the scientific publication process, including the peer review system, models of publication access, methods of funding research and publications, and issues related to trust and scepticism in science. Particular attention will be given to risks such as predatory journals and unethical research practices.

Students will engage with authentic primary literature in the context of cutting-edge educational technologies such as gamification, extended reality (VR/AR), AI-powered chatbots, robotics, coding, and digital learning platforms. Through hands-on reading and analysis, students will develop the confidence to engage with academic research and apply it in their studies and professional lives.

Warunki zaliczenia (ZO):

- In-class activities – weight 40% of the overall mark

- Open-book test (based on a scientific article read at home) – 60% of the overall grade.

Nazwa przedmiotu: **Research Methods for Evaluating Technology in Education (EdTech)**

Prowadząca: dr Małgorzata Korko

Forma zajęć: warsztaty

Liczba godzin: 15

Liczba ECTS: 2

Opis: This course introduces basic qualitative and quantitative research methods for evaluating the effectiveness of educational technology. Students will explore key research approaches, including interviews, surveys, and randomized controlled experiments, to assess how technology impacts teaching and learning. The course includes hands-on experience in designing studies and conducting research, along with reading and analyzing scientific articles to understand how different methodologies are used to evaluate technological tools in education. **Key Topics Covered:** Students will apply research methods to evaluate various EdTech innovations, such as gamification, extended reality (VR/AR), AI-powered chatbots, robotics and coding, and digital learning platforms. Topics include assessing the effectiveness of game-based learning, adaptive learning systems, and discussion forums in LMS platforms.

Warunki zaliczenia (ZO):

- Guided development of a research plan investigating a chosen technological tool in education.
- Execution of a mini-scale study (e.g., an interview, survey, or experiment).
- Presentation of findings in a video-recorded format.