Master's seminar 1
Educational subject description sheet

Basic information

Study programme Research in Cognitive Science	**Didactic cycle** 2024/25
Speciality -	**Subject code** 23RCSS.21O.15950.24
Organizational unit Faculty of Psychology and Cognitive Science	**Lecture languages** English
Study level Second-cycle programme	**Course type** Obligatory
Study form Full-time	**Block** general subjects
Education profile General academic	

Subject coordinator	Marcin Jukiewicz
Lecturer	Marcin Jukiewicz

Period Semester 1	Activities and hours • Seminar: 30, Graded credit	Number of ECTS points 2

Goals

Code	Goal
C1	The classes aim for the student to define their own area of research interests and the topic of their master's thesis.

Subject learning outcomes

Code	Outcomes in terms of	Learning outcomes	Examination methods
Knowledge – Student:			
W1	is familiar with the software used for statistical data processing in the planned research.	RCS_K2_W12, RCS_K2_W13	Multimedia presentation, Written work
W2	is familiar with the results of research conducted in the planned research area.	RCS_K2_W01, RCS_K2_W04, RCS_K2_W07, RCS_K2_W08, RCS_K2_W09	Multimedia presentation, Written work
W3	knows and understands the research results from related areas of the planned research.	RCS_K2_W01, RCS_K2_W04, RCS_K2_W07, RCS_K2_W08, RCS_K2_W09	Multimedia presentation, Written work
Skills – Student:			
U1	can define the area of their research interests.	RCS_K2_U01, RCS_K2_U02, RCS_K2_U03, RCS_K2_U04, RCS_K2_U05, RCS_K2_U06, RCS_K2_U12, RCS_K2_U17	Multimedia presentation, Written work
U2	can present fundamental research problems in their area of interest.	RCS_K2_U05, RCS_K2_U07, RCS_K2_U14, RCS_K2_U15, RCS_K2_U16, RCS_K2_U17	Multimedia presentation, Written work
U3	can prepare a written summary of a scientific text within their area of interest, considering the context of the subject literature.	RCS_K2_U05, RCS_K2_U07, RCS_K2_U14, RCS_K2_U15, RCS_K2_U16, RCS_K2_U17	Multimedia presentation, Written work
U4	can plan the procedure for conducting their research.	RCS_K2_U01, RCS_K2_U02, RCS_K2_U03, RCS_K2_U11	Multimedia presentation, Written work
Social competences – Student:			
K1	is ready to expand their knowledge regarding the area of the planned thesis work.	RCS_K2_K01, RCS_K2_K02, RCS_K2_K08, RCS_K2_K09, RCS_K2_K11	Multimedia presentation, Written work
K2	is ready to accept feedback from the supervisor regarding the arrangement of variables and selected research tools, as well as their research procedure.	RCS_K2_K02, RCS_K2_K03, RCS_K2_K11	Multimedia presentation, Written work
K3	demonstrates sensitivity to the ethical aspects of the planned research.	RCS_K2_K02, RCS_K2_K03, RCS_K2_K04	Multimedia presentation, Written work

Study content

No.	Course content	Subject learning outcomes	Activities
1.	Defining the area of the student's research interests	U1, U2, K1, K2	Seminar
2.	Searching and selecting scientific sources	W3, U1, U2, U4, K1, K2, K3	Seminar
3.	Principles of preparing scientific texts	U1, U3, K1, K2, K3	Seminar
4.	Analysis of subject literature in the area of the student's research interests	W1, W2, W3, U1, U2, K1, K2, K3	Seminar

Additional information

Activities	Teaching and learning methods and activities
Seminar	Lecture with a multimedia presentation of selected issues, Discussion, Work with text

Activities	Credit conditions
Seminar	Timely accountability for tasks defined in the master's seminar by the supervisor, including engaging in active individual work on substantive and organizational tasks and meeting detailed criteria regarding tasks listed in the supervisor's schedule.

Literature

Obligatory

1. James Hartley, Academic Writing and Publishing. A Practical Handbook, Routlege, 2008.

Calculation of ECTS points

Activities	Activity hours*
Seminar	30
Reading the indicated literature	10
Preparation of a multimedia presentation	10
Preparation of a diploma thesis	10
Student workload	**Hours** 60
Number of ECTS points	**ECTS** 2

* academic hour = 45 minutes

Efekty uczenia się dla kierunku

Kod	Treść
RCS_K2_K01	The graduate is ready to undertake an in-depth critical analysis of one's ideas, positions, and opinions and is prepared to change them in the light of data and arguments, knows the limitations of one's knowledge
RCS_K2_K02	The graduate is ready to demonstrate an active approach in problem-solving based on the analysis and evaluation of available data, their own research experience, and, when necessary, expert opinions
RCS_K2_K03	The graduate is ready to demonstrate sensitivity to issues of intellectual honesty in one's own and other people's actions; ensuring the reliability of conducted research (taking into account the role of the team leader)
RCS_K2_K04	The graduate is ready to conduct ethical conduct in its educational, research and publishing activities
RCS_K2_K08	The graduate is ready to initiate the application of knowledge in cognitive science (by selecting appropriate means and considering their own research experience) to actions aimed at benefiting the social environment
RCS_K2_K09	The graduate is ready to actively and independently deepen and synthesize knowledge in selected fields of science
RCS_K2_K11	The graduate is ready to notice the existence of theoretical and methodological pluralism in scientific research and to recognize the consequences of this pluralism in one's own and others' research work
RCS_K2_U01	The graduate can fluently search for information from literature, databases and other sources, including the Internet, being aware of the mechanisms operating therein
RCS_K2_U02	The graduate can integrate information from various sources, interpret them creatively and critically, as well as draw conclusions and formulate and fully justify opinions (including author's opinions)
RCS_K2_U03	The graduate can independently design, prepare and conduct empirical research, as well as perform statistical analysis and interpretation of results; select (or create) an appropriate research method for a given problem and an appropriate statistical method for a given problem and type of analyzed data
RCS_K2_U04	The graduate can recognize and critically evaluate the course of research reasoning conducted in the paradigms of the basic sciences of cognitive science and its subdisciplines
RCS_K2_U05	The graduate can present their own ideas, hypotheses and concepts, as well as doubts and suggestions, referring to constructs and theoretical models, as well as relying on research results (including their own)
RCS_K2_U06	The graduate can recognize logical flaws and errors in oral and written statements and determines the impact of these flaws on the persuasiveness of arguments and their role in reasoning processes
RCS_K2_U07	The graduate can independently prepare monographic studies based on literature
RCS_K2_U11	The graduate can fluently and independently apply statistical, mathematical and logical techniques to describe and model phenomena related to human information processing and related data analysis
RCS_K2_U12	The graduate can integrate acquired knowledge and skills by solving applications and utility problems and propose innovative solutions in these areas
RCS_K2_U14	The graduate can create detailed documentation of the results of carrying out a research task; prepare a study containing a discussion of these results
RCS_K2_U15	The graduate can communicate his own and other people's research reports, created in the context of the scientific research process or professional practice, precisely and coherently formulating oral and written statements
RCS_K2_U16	The graduate can select appropriate linguistic means to meet the needs of communication in professional situations and during research, especially in communication with research participants, as well as in the context of popularizing the results of cognitive science research
RCS_K2_U17	The graduate can use English at least at level B2+ of the Common European Framework of Reference for Languages, including a range of professional vocabulary in the field of cognitive science

Kod	Treść
RCS_K2_W01	The graduate knows and understands in an in-depth way the multidisciplinary nature of cognitive science and its sources, the position of cognitive science within the system of sciences, its subject-specific and methodological characteristics, as well as the main trends in its development
RCS_K2_W04	The graduate knows and understands relevant theories or research results (including his own), based on which he formulates in-depth opinions on complex cognitive science issues
RCS_K2_W07	The graduate knows and understands in a structured and in-depth manner, advanced issues in the field of disciplines basic to cognitive science and subdisciplines of cognitive science (including their characteristic research methods)
RCS_K2_W08	The graduate knows and understands in a well-established practical way the principles of designing and conducting scientific research, with particular emphasis on formulating research problems, formulating hypotheses, as well as research methods, techniques and tools (including the principles of their design and testing)
RCS_K2_W09	The graduate knows and understands the applications of cognitive science in addressing civilizational challenges such as new technologies, health, education, marketing and management, economics, spatial design, rehabilitation, social relations, human-computer communication, and also proposes new forms and fields of cognitive science applications
RCS_K2_W12	The graduate knows and understands fluently at least one software package used for statistical data processing. Can also indicate alternative packages (and knows the basics of using them)
RCS_K2_W13	The graduate knows and understands fluently at least one programming language, as well as its alternatives (along with their fields of application)