

**A COURSE SYLLABUS - DOCTORAL SCHOOL
REGARDING THE QUALIFICATION CYCLE FROM 2020 TO 2024**

GENERAL INFORMATION ABOUT COURSE				
Course title		Docrtoral Seminar		
Name of the unit running the course		Doctoral School at University of Rzeszów		
Type of course (<i>obligatory, optional</i>)		obligatory		
Year and semester of studies		II, III, IV; semester III-VIII		
Discipline		Health studies		
Language of Course		Polish		
Name of Course coordinator		Prof. dr hab. n. med. Jan Rutowski		
Name of Course lecturer		Prof. dr hab. n. med. Jan Rutowski		
Prerequisites		Initial plan of the dissertation		
BRIEF DESCRIPTION OF COURSE (100-200 words)				
The doctoral seminar focuses on supporting the subsequent stages of the research procedure, the implementation of which is crucial for the preparation of a doctoral dissertation. The stages related to conducting the research, validation of the used research tools, preparation of statistical analysis, and preparation of publications will be the key issues discussed during the classes.				
COURSE LEARNING OUTCOMES AND METHODS OF EVALUATING LEARNING OUTCOMES				
Learning outcome	The description of the learning outcome defined for the course	Relation to the degree programme outcomes (symbol)	Learning Format (Lectures, classes,...)	Method of assessment of learning outcomes (e.g. test, oral exam, written exam, project,...)
Knowledge (no.)	One knows and understands			
1	<ul style="list-style-type: none"> To the extent enabling a revision of the existing paradigms - global achievements, including theoretical foundations as well as general issues and selected specific issues - appropriate for the scientific discipline of health science 	P8S-WG/1	Seminar	Oral credit
2	<ul style="list-style-type: none"> Main development trends in the disciplines of medical sciences and health sciences Research methodology Principles of popularizing the results of scientific activity 	P8S-WG/2 P8S-WG/3 P8S-WG/4	Seminar	Oral credit
3	<ul style="list-style-type: none"> Basic principles of knowledge transfer to the economic and social sphere as well as commercialization of the results of scientific activity 	P8S-WK/3	Seminar	Oral credit

	and know-how related to these results			
Skills (no.)	One can			
1	<ul style="list-style-type: none"> Use the knowledge from various fields of science for creative identification and innovative solving of complex problems or performing research tasks, in particular: <ul style="list-style-type: none"> define the purpose and subject of the research, formulate a research hypothesis, develop methods, techniques and research tools and use them creatively, make conclusions on the basis of the scientific research Make a critical analysis and evaluation of the research results related to the topic of the dissertation. Transfer the results of scientific activity to the economic and social sphere 	P8S-UW/1 P8S-UW/2 P8S-UW/3	Seminar	Oral credit
2	<ul style="list-style-type: none"> Communicate on specialist topics to the extent that allows active participation in the international scientific environment Disseminate the results of scientific activity Initiate a debate Participate in the scientific discourse 	P8S-UK/1 P8S-UK/2 P8S-UK/3 P8S-UK/4	Seminar	Oral credit
3	<ul style="list-style-type: none"> Plan and implement individual and team research projects, including an international environment 	P8S-UO	Seminar	Oral credit
4	<ul style="list-style-type: none"> Plan and act for his/her own development as well as inspire and organize the development of other people 	P8S-UU/1	Seminar	Oral credit
Social competence (no.)	One is ready for			
1	<ul style="list-style-type: none"> critical evaluation of the achievements within a given scientific discipline disseminating the results of scientific activity, also in popular forms recognition of the importance of knowledge in solving cognitive and practical problems 	P8S-KK/1 P8S-KK/2 P8S-KK/3	Seminar	Oral credit

2	<ul style="list-style-type: none"> • maintaining and developing the ethos of research and creative communities, including: <ul style="list-style-type: none"> ▪ conducting research activities independently ▪ respecting the principle of public ownership of the results of scientific activity, taking into account the principles of intellectual property protection 	P8S-KR	Seminar	Oral credit
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LEARNING FORMAT - NUMBER OF HOURS

Semester (n0.)	Lectures	Seminars	Lab classes	Internships	others	ECTS
III	---	30	---	---	---	0
IV	---	30	---	---	---	0
V	---	30	---	---	---	0
VI	---	30	---	---	---	0
VII	---	30	---	---	---	0
VIII	---	30	---	---	---	0

METHODS OF INSTRUCTION

DISCUSSION, MULTIMEDIA PRESENTATIONS, WRITTEN REPORTS, STUDYING LITERATURE

COURSE CONTENT

Seminar:

Semester III:

1. Cultural validation of NCCCS, Dempster and Jefferson scales (conducting research, preparation and processing of results, statistical analysis).

Semester IV:

2. Preparation of the publication.
3. Conducting quantitative research among nurses working in ICU in the country with the use of NCCCS, DPBS, JSAPNC tools.
4. Preparation and development - research results for statistical analysis.

Semester V:

5. Statistical analysis of the obtained research results.
6. Development of conclusions and practical implications.

Semester VI:

7. Preparation of the draft version of the doctoral dissertation.

Semester VII:

8. Substantive evaluation of the prepared manuscript.

Semester VIII:

9. Preparation of the final version of the doctoral dissertation.

COURSE ASSESSMENT CRITERIA

The assessment includes the activity of the doctoral student, regularity of work, attendance at meetings, progress in the implementation of assigned tasks (research, preparation of the text of the publication, dissertations).

TOTAL PhD STUDENT WORKLOAD REQUIRED TO ACHIEVE THE INTENDED

**LEARNING OUTCOMES
- NUMBER OF HOURS AND ECTS CREDITS**

Activity	Number of hours
Scheduled course contact hours	180 hours
Other contact hours involving the teacher (consultation hours, examinations)	
Non-contact hours - student's own work (preparation for classes or examinations, project, etc.)	>600 hours
Total number of hours	>780 hours
Total number of ECTS credits	

INSTRUCTIONAL MATERIALS

Compulsory literature:	<ol style="list-style-type: none"> 1. Apanowicz J., Metodologiczne uwarunkowania pracy naukowej: prace doktorskie, prace habilitacyjne, Warszawa 2005; 2. Gajewski P., Podstawy EBM, Kraków 2008 3. Jędrychowski W., Zasady planowania i prowadzenia badań naukowych medycynie, Kraków 2004; 4. Literature collected by the doctoral student for the preparation of the doctoral dissertation
Complementary literature:	<ol style="list-style-type: none"> 1. Additional literature collected by the doctoral student for the preparation of the doctoral dissertation