A COURSE SYLLABUS – DOCTORAL SCHOOL

REGARDING THE QUALIFICATION CYCLE FROM 2020 TO 2024

GENERAL INFORMATION ABOUT COURSE	
Course title	**Standardization of care for a patient in a life-threatening condition**
Name of the unit running the course	Doctoral School at University of Rzeszów
Type of course *(obligatory, optional)*	Optional (specialist) compulsory subject to chosen
Year and semester of studies	Year - II; sem. winter
Discipline	Health Sciences
Language of Course	polish
Name of Course coordinator	Dr Sabina Krupa
Name of Course lecturer	Dr Sabina Krupa
Prerequisites	The student has knowledge of anatomy, physiology, pathophysiology, pharmacology, internal diseases, sudden life-threatening conditions

BRIEF DESCRIPTION OF COURSE
(100-200 words)

C1 Preparing the student to interpret and understand the knowledge about the specificity of the organization and work of the ICU, life-threatening conditions and extracorporeal methods used in a life-threatening condition

C2 Preparing the student to work with a patient in life-threatening conditions, undergoing extracorporeal therapy (using a vital signs monitor, devices for extracorporeal therapies and an analyzer of critical parameters)

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.)				
Scope and depth - completeness of the cognitive perspective and dependence	To the extent enabling a revision of the existing paradigms - global achievements, covering theoretical foundations as well as general issues and selected specific issues - appropriate for a scientific or artistic discipline	P8S-WG/1	L	written exam
	Main development trends in scientific or artistic disciplines in which education takes place	P8S-WG/2	L	
	Scientific research methodology	P8S_WG/3	L	
Skills (no.)				
Use of knowledge - problems solved and tasks performed	Use knowledge from various fields of science or art for the creative identification and	P8S-UW/1	Ex.	written exam

	innovative solving of complex problems or performing research tasks, in particular: - define the purpose and subject of research, formulate a research hypothesis, - develop methods, techniques and research tools and use them creatively, - make conclusions on the basis of scientific research			
	Perform a critical analysis and evaluation of the results of scientific research, expert activity and other creative works and their contribution to the development of knowledge	P8S_UW/2	Ex.	
	Transfer the results of scientific activity to the economic and social sphere	P8S_UW/3	Ex.	
Communication - receiving and creating statements, disseminating knowledge in the scientific community and using a foreign language	Communicate on specialist topics to a degree enabling active participation in the international scientific environment	P8S_UK/1	Ex.	Discussion, written exam
	Disseminate the results of scientific activity, also in popular forms	P8S_UK/2	Ex.	
	Initiate a debate	P8S_UK/3	Ex.	
	Participate in the scientific discourse	P8S_UK/4	Ex.	
	Use a foreign language at the B2 level of the European Language Education System to a degree enabling participation in the international scientific and professional environment	P8S_UK/5	Ex.	
Social competence (no.)				
Assessments- a critical approach	Critical evaluation of the achievements within a given scientific or artistic discipline	P8S_KK/1	Ex.	written exam
	Recognize the importance of knowledge in solving cognitive and practical problems	P8S_KK/3	Ex.	Discussion, written exam
Responsibility - fulfilling social obligations and acting for the benefit of the public interest	Initiating activities for the public interest	P8S_KO/2	Ex.	Discussion

LEARNING FORMAT – NUMBER OF HOURS

Semester (no.)	Lectures	Seminars	Lab classes	Internships	others	ECTS

III	5	10	——	——	——	0

METHODS OF INSTRUCTION

PROBLEM SOLVING LECTURE
EXERCISES: TEXT ANALYSIS AND DISCUSSION, GROUP WORK (PROBLEM SOLVING, DISCUSSION), LABORATORY

COURSE CONTENT

1. **Lectures/ Seminars:**
   The most common diseases treated in the intensive care unit.
   The specificity of intensive therapy for adults and children.
   Extracorporeal methods used in ICU.
   Monitoring of vital signs with devices for extracorporeal therapies and an analyzer of critical parameters.
2. **Seminars / Lab classes/ others:**
   Analysis of laboratory tests in critically ill patients.
   Operation of the cardiopulmonary bypass machine.
   Caring for a patient undergoing ECMO therapy.

COURSE ASSESSMENT CRITERIA

Written test:
5.0 - shows knowledge of the content of education at the level of 91% -100%
4.5 - shows knowledge of the content of education at the level of 81% -90%
4.0 - shows knowledge of the content of education at the level of 71% -80%
3.5 - shows knowledge of the content of education at the level of 61% -70%
3.0 - shows knowledge of the content of education at the level of 60%
2.0 - shows knowledge of the content of education below 60%

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	15
Other contact hours involving the teacher (consultation hours, examinations)	——
Non-contact hours – student`s own work (preparation for classes or examinations, project, etc.)	15
Total number of hours	30
Total number of ECTS credits	———

INSTRUCTIONAL MATERIALS

Compulsory literature:	DYK D., WOŁOWICKA L. ANESTEZJOLOGIA I INTENSYWNA OPIEKA. PZWL 2019 MARINO P. INTENSYWNA TERAPIA. URBAN PARTNER, WARSZAWA 2017
Complementary literature:	ECMO EXTRACORPOREAL MEMBRANE OXYGENATION AUTOR PETR OŠŤÁDAL, JAN BĚLOHLÁVEK, 2018