

**A COURSE SYLLABUS – DOCTORAL SCHOOL  
REGARDING THE QUALIFICATION CYCLE FROM 2022 TO 2026**

<b>GENERAL INFORMATION ABOUT COURSE</b>				
Course title	<b>Nutrition in gastrointestinal diseases</b>			
Name of the unit running the course	Doctoral School at University of Rzeszow			
Type of course ( <i>obligatory, optional</i> )	Optional			
Year and semester of studies	2023/202; sem IV			
Discipline	Health sciences			
Language of Course	Polish			
Name of Course coordinator	Dr hab. Katarzyna Dereń, prof. UR			
Name of Course lecturer	Dr hab. Katarzyna Dereń, prof. UR			
Prerequisites	Knowledge of human nutrition, of the structure, physiology of the gastrointestinal tract, and hormonal control of food intake.			
<b>BRIEF DESCRIPTION OF COURSE (100-200 words)</b>				
<p>The relationship between mode of nutrition and the occurrence of selected gastrointestinal disease entities is undoubtedly an important factor that should be taken into account both in the prevention and during support of the therapy process of these diseases. The main purpose of this subject is to indicate the link between the appearance of selected entities of gastrointestinal disease and the way of nutrition. In addition, supporting the process of therapy with properly selected nutrition in many diseases, e.g., gastric and duodenal ulcers, chronic pancreatitis, Crohn's disease, ulcerative colitis, is extremely important due to the occurrence of periodic exacerbations. An additional purpose of the topic is to discuss in general terms the functioning of the gastrointestinal tract and to identify the necessary nutrients required for its proper functioning in selected diseases.</p>				
<b>COURSE LEARNING OUTCOMES AND METHODS OF EVALUATING LEARNING OUTCOMES</b>				
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,...)
<b>Knowledge (no.)</b>	<b>(Knows and understands)</b>			
1.	To the extent enabling the revision of the existing paradigms - a global achievement, covering theoretical foundations as well as general issues and selected specific issues of health sciences.	<b>P8S-WG/1</b>	Colloquia	Essay
2.	Main trends in health sciences.	<b>P8S-WG/2</b>	Colloquia	Essay
3.	Knows the methodology of scientific research in the discipline of health sciences	<b>P8S-WG/3</b>	Colloquia	Essay
<b>Skills (no.)</b>	<b>(Able to)</b>			
1.	Using knowledge from various	<b>P8S-UW/1</b>	Colloquia	Essay

	fields of science to identify and innovatively solve complex problems in the range of nutrition in gastrointestinal diseases.					
2.	Identify and critically analyze the results of research in the range of gastrointestinal diseases.	P8S-UW/2	Colloquia	Essay		
3.	Can communicate on specialist topics and initiate debate	P8S-UK/1 P8S-UK/3	Colloquia	Observation during classes, self-esteem		
4.	Can disseminate the results of scientific works, also in popular forms	P8S-UK/2	Colloquia	Observation during classes, self-esteem		
5.	Participate in scientific discourse	P8S-UK/4	Colloquia	Observation during classes, self-esteem		
<b>Social competence (no.)</b>	<b>(Ready to)</b>		Colloquia			
1.	Recognize the importance of knowledge in solving cognitive and practical problems.	P8S-KK/3	Colloquia	Observation during classes, self-esteem		
2.	Is ready to critically evaluate the achievements within the health science discipline	P8S-KK/2	Colloquia	Observation during classes, self-esteem		
3.	Is ready to act for the public interest	P8S-KO/2	Colloquia	Observation during classes, self-esteem		
<b>LEARNING FORMAT – NUMBER OF HOURS</b>						
Semester (no.)	Lectures	Seminars	Lab classes/ Colloquia	Internships	others	ECTS
IV	-	-	15	—	—	2
<b>METHODS OF INSTRUCTION</b>						
Colloquia A SUPPORTED BY A MULTIMEDIA PRESENTATION, TEXT ANALYSIS AND DISCUSSION, PROJECT WORK (PRACTICAL PROJECT), GROUP WORK (PROBLEM SOLVING, CASE STUDY, DISCUSSION) IN THE CASE OF EPIDEMIC RESTRICTIONS: BY REMOTE METHOD						
<b>COURSE CONTENT</b>						
<b>Colloquia</b>						
Introduction to nutrition in selected gastrointestinal diseases.						

Characteristics of nutrition in selected diseases of the gastrointestinal tract.

### COURSE ASSESSMENT CRITERIA

Grading:

Knowledge assessment:

Written credit

5.0 - demonstrates knowledge of each educational content at 92%-100% level

4.5 - demonstrates knowledge of each educational content at 84%-91% level

4.0 - demonstrates knowledge of each educational content at the level of 76%-83%

3.5 - demonstrates knowledge of each educational content at a level of 68%-75%

3.0 - demonstrates knowledge of each educational content at a level of 60%-67%

2.0 - demonstrates knowledge of each educational content at a level of less than 60%

Methods of verification of skill learning outcomes:

Assessment of skills

5.0 - the doctoral student actively participates in class, is well prepared, is very familiar with issues related to immunomodulatory nutrition.

4.5 - doctoral student actively participates in class, is well versed, knows issues related to immunomodulatory nutrition.

4.0 - doctoral student actively participates in class, is corrected, knows issues related to immunomodulatory nutrition well.

3.5 - doctoral student participates in class, his/her scope of preparation does not allow for a comprehensive presentation of the problem discussed, sufficiently familiar with issues related to immunomodulatory nutrition, is often corrected.

3.0 - doctoral student participates in classes, sufficiently familiar with the issues related to immunomodulatory nutrition, but often makes mistakes.

2.0 - doctoral student passively participates in class, statements are factually incorrect, does not know issues related to immunomodulatory nutrition, is often corrected.

A\* 100- 95%

A= 94- 90%

B\* = 89- 85%

B= 84- 80%

C\* = 79- 75%

C= 74- 70%

D\* = 69- 65%

D= 64- 60%

F > 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.)	-
<b>Total number of hours</b>	15
<b>Total number of ECTS credits</b>	2
<b>INSTRUCTIONAL MATERIALS</b>	
Compulsory literature:	<ol style="list-style-type: none"> <li>1. Marian Grzymisławski (red.). Dietetyka kliniczna. PZWL Wydawnictwo Lekarskie, Warszawa 2019.</li> <li>2. Andrzej Szczeklik. Interna Szczeklika 2018/19 : mały podręcznik. Kraków: Medycyna Praktyczna, 2018.</li> <li>3. B. Sands. Gastroenterologia Tom I i II. Wydawnictwo Czelej, 2018.</li> <li>4. Aktualne publikacje naukowe obejmujące tematykę żywienia w wybranych chorobach przewodu pokarmowego.</li> </ol>
Complementary literature:	<ol style="list-style-type: none"> <li>1. S. Bickson, R. Bloomfeld. Nieswoiste zapalenia jelit. Wrocław: ELSEVIER Urban &amp; Partner, 2013.</li> <li>2. E. Małecka-Panas, M. Słomka. Przewlekłe nieswoiste choroby zapalne jelit choroba Leśniowskiego-Crohna, wrzodziejące zapalenie jelita grubego. Wrocław: MedPharm Polska, 2012.</li> </ol>