

DESCRIPTION OF THE COURSE OF STUDY

Course code	12.6-3LEK-F-ZK	
Name of the course in	Polish	Żywność kliniczna
	English	Clinical nutrition

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

1.1. Field of study	medicine
1.2. Mode of study	full-time
1.3. Level of study	uniform Master's study
1.4. Profile of study*	practical
1.5. Specialization*	lack
1.6. Unit running the course of study	Faculty of Medicine and Health Sciences, Department of General Surgery, Oncology and Endocrinology
1.7. Person/s preparing the course description	Dr n. med. Jarosław Matykiewicz
1.8. Person responsible for the course of study	Prof. zw. dr. hab. n. med. Stanisław Gluszek
1.9. Contact	jaromaty@wp.pl

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

2.1. Affiliation with the module	facultative
2.2. Language of instruction	English
2.3. Semesters in which the course of study is offered	
2.4. Prerequisites*	

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3.1. Form of classes	Lecture: 15, classes: 20	
3.2. Place of classes	Lecture /Classes - in the classrooms of JKU	
3.3. Form of assessment	Credit with grade	
3.4. Teaching methods	Practical classes, conversational lecture, discussion,	
3.5. Bibliography	Required reading	Clinical Nutrition, Official Journal of ESPEN, The European Society for Clinical Nutrition and Metabolism, Vol. 35, Issue 5, Editor: N. E. P. Deutz, MD, PhD , ISSN: 0261-5614.
	Further reading	Academy of Nutrition and Dietetics Pocket Guide to Nutrition Assessment, 3rd Ed., Pamela Charney, PhD, RD; Ainsley Malone, MS, RD, LD, CNSC, FAND, ISBN: 9780880914895;

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

4.1. Course objectives (including form of classes)
<ol style="list-style-type: none"> 1. Acquiring the principles of screening and comprehensive evaluation of nutritional state. 2. Becoming acquainted with eating disorders. 3. Learning physiology and biochemistry of nutrition. 4. Learning the role of particular substrates in clinical nutrition. 5. Becoming acquainted with the techniques of nutrition therapy - enteral feeding and completely parenteral nutrition.. 6. Gaining knowledge on the principles of nutrition therapy monitoring. 7. Gaining knowledge on the use of nutrition therapy in various clinical situations. 8. Learning about the organisation and conditions for nutrition therapy in Poland.
4.2. Detailed syllabus (including form of classes)
Lecture Topics
<ol style="list-style-type: none"> 1. Recognising malnutrition, screening and comprehensive evaluation of the nutritional state – 2h 2. The impact of malnutrition on bodily functions – 2h 3. Metabolism of energy, carbohydrates, proteins and fats. Water and electrolytes in clinical nutrition – 2h 4. Vitamins, trace elements, fibers and special substances in nutrition therapy – 1h 5. Indications for nutrition therapy – 1h 6. Enteral feeding – 2h 7. Parenteral nutrition – 2h 8. Monitoring nutritional treatment – 2h 9. Organisation and legal aspects of nutrition therapy in Poland – 1h

Practical exercises as part of the functioning of the wards in which nutrition treatment is conducted. The topics include nutrition issues in the following situations:

1. Perioperative and post-traumatic nutrition therapy – 5h
2. Nutrition therapy in digestive tract fistulas, short bowel syndrome and radiation-induced intestinal damage – 5h
3. Nutrition therapy in neurological and metabolic diseases – 5h
4. Nutrition therapy in patients with cancers and septic patients – 5h

4.3 Education outcomes in the discipline

Code	A student, who passed the course	Relation to teaching outcomes																			
within the scope of KNOWLEDGE:																					
W01	knows nutrition and vaccination principles for healthy and sick children, immunization and carries routine health checks for children	E.W2																			
within the scope of ABILITIES:																					
U01	applies dietary treatment (including enteral and parenteral feeding)	E.U25.																			
4.4. Methods of assessment of the intended teaching outcomes																					
Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others*		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes		
	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...	L	C	...
W01																					
U01																					

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes		
Form of classes	Grade	Criterion of assessment
lecture (L)	3	61%-68%
	3,5	69%-76%
	4	77%-84%
	4,5	85%-92%
	5	93%-100%
classes (C)*	3	61%-68%
	3,5	69%-76%
	4	77%-84%
	4,5	85%-92%
	5	93%-100%
others (...)*	3	61%-68%
	3,5	69%-76%
	4	77%-84%
	4,5	85%-92%
	5	93%-100%

- **Thresholds are valid from 2018/ 2019 academic year**

10. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

Category	Student's workload
	Full-time studies
<i>NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/</i>	35
<i>Participation in lectures*</i>	15
<i>Participation in classes, seminars, laboratories*</i>	20
<i>Preparation in the exam/ final test*</i>	
<i>Others*</i>	
<i>INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/</i>	15
<i>Preparation for the lecture*</i>	
<i>Preparation for the classes, seminars, laboratories*</i>	10
<i>Preparation for the exam/test*</i>	5
<i>Gathering materials for the project/Internet query*</i>	
<i>Preparation of multimedia presentation</i>	
<i>Others*</i>	
<i>TOTAL NUMBER OF HOURS</i>	50
ECTS credits for the course of study	2

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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