



TOTAL per year:												
2nd Department of General and Oncological Surgery		30										
Educational objectives (max. 6 items) C1. C2. C3.												
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class												
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>								
W 01	BW18 BW19 BW20	explains the organism's requirements for energy and main nutrients, and how they are increased in typical diseases and conditions	oral response, debate, test	SE								
W 02	BW18 BW19 BW20	characterizes the consequences of malnutrition for specific systems and organs, and their influence on patient's health	oral response, debate, test	SE								
W 03	BW18 BW19 BW20	describes the principles of preventing malnutrition associated with surgical and oncological treatment	oral response, debate, test	SE								
W 04	BW18 BW19 BW20	describes the principles of treating and preventing malnutrition	oral response, debate, test	SE								
W 05	BW18 BW19 BW20	names different routes of parenteral and enteral nutrition, and their possible complications	oral response, debate, test	SE								
W 06	BW18 BW19 BW20	discusses the possibilities of treating and preventing malnutrition in hospital and at home	oral response, debate, test	SE								
U 01	EU25	diagnoses malnutrition and evaluates the risk of its developing, based on the patient's history, physical examination and selected scoring systems	case analysis, debate, test	SE								
U 02	EU25	fills in medical records of nutritional evaluation and treatment	demonstration, test	SE								
U 03	EU25	qualifies a patient for nutritional intervention and chooses the adequate route	case analysis, debate, test	SE								
U 04	EU25	plans the right type and amount of nutritional formula, and the mode of its administration in typical situations	oral response, debate, test	SE								
U 05	EU25	uses aseptic techniques for parenteral and enteral nutrition	oral response, demonstration, test	SE								
U 06	EU25	identifies common complications of parenteral and enteral nutrition, and proposes adequate management	oral response, debate, test	SE								
K 01	N/A	shows interest in the patient's nutritional state	case analysis, debate	SE								
K 02	N/A	willingly participates in solving problems associated with patient's inability to eat	case analysis, debate	SE								



	normally	
<p>** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .</p>		
<p>Please mark on scale 1-5 how the above effects place your classes in the following categories: communication of knowledge, skills or forming attitudes: Knowledge: 5 Skills: 4 Social competences: 4</p>		
Student's amount of work (balance of ECTS points)		
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)	
1. Contact hours:	30	
2. Student's own work (self-study):	9	
Total student's workload	39	
ECTS points for module/course	1,5	
Comments		
Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)		
Lectures N/A		
Seminars		
<ol style="list-style-type: none"> 1. Introduction. History of parenteral and enteral nutrition. Contemporary terminology. 2. Different types and causes of malnutrition. 3. Consequences of malnutrition. 4. Evaluation of patient's nutritional status. 5. Indications for nutritional intervention. 6. Demand for energy and nutrients. 7. Refeeding syndrome. 8. Nutrition therapy in different diseases and conditions. 9. Methods of nutritional intervention. 10. Planning nutrition therapy. 11. Oral feeding (dietician consulting, oral nutritional supplements). 12. Indications for enteral nutrition. 13. Different access routes for enteral feeding and principles of their placement. 14. Different types of commercial enteral formulas. The individual choice of enteral formula. 15. Principles of administration of enteral nutrition. 16. Complications of enteral nutrition. 17. Indications for parenteral nutrition. 18. Different types of venous access and principles of their placement. 19. Composition of mixtures for parenteral nutrition and commonly added supplements. 20. Types of products for parenteral nutrition: Ready-To-Use (RTU) multichamber bags vs. individually prepared mixtures. 		



<p>21. Principles of administration of parenteral nutrition. 22. Complications of parenteral nutrition. 23. Organization of nutrition therapy in hospital and hospice care services. Nutrition Support Teams. 24. Medical records regarding nutrition therapy. 25. Home enteral and parenteral nutrition. 26. Evaluation of nutritional status: sample cases. 27. Planning enteral nutrition: sample cases. 28. Planning parenteral nutrition: sample cases. 29. Demonstration of sample products for enteral and parenteral nutrition, and the method of their administration. 30. Final test.</p>	
<p>Practical classes N/A</p>	
<p>Other N/A</p>	
<p>Basic literature (list according to importance, no more than 3 items) 1. Sobotka L (Ed.): Basics in Clinical Nutrition. 4th ed. Galen 2011 2. Garden OJ (Ed.): Principles and Practice of Surgery. Chapter 3. Elsevier 2007, 2012</p>	
<p>Additional literature and other materials (no more than 3 items) 1. www.espen.org – the website of European Society for Clinical Nutrition and Metabolism</p>	
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...) computer, multimedia projector, Internet</p>	
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course) Credit for basic theoretical subjects from the initial years of studies</p>	
<p>Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades) Attendance to the course and obtaining at least 60% score from the final test</p>	
<p>Grade:</p>	
<p>Criteria (only for courses/modules ending with an examination)</p>	
<p>Very Good (5.0)</p>	N/A
<p>Good Plus (4.5)</p>	



Good (4.0)	
Satisfactory Plus (3.5)	
Satisfactory (3.0)	

Name and address of module/course teaching unit, contact: telephone and e-mail address

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Coordinator / Person responsible for module/course, contact: telephone and e-mail address

Adam Skalski, MD, PhD

List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

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Date of Syllabus development

1 October 2016

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Syllabus developed by

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Signature of Head of teaching unit

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