

Course description

Part 1

General information about the course		
1. Major of study: Physiotherapy		2. Study level: unified MSc
		3. Form of study: intramural
4. Year: III/cycle 2021-2026		5. Semester: V
6. Course name: Physiotherapy in internal diseases in surgery		
7. Course status: required		
8. Course contents and assigned learning outcomes		
Characteristics of surgical treatment - the importance of physiotherapy in surgery		
Objectives of the subject:		
- to acquaint students with the principles of selection and implementation of therapeutic exercises and physical procedures in accordance with the clinical and functional condition of surgical patients		
- performing functional tests of internal organs and performance tests necessary for the selection of physiotherapy measures for surgical patients		
- performing procedures and using appropriate therapeutic methods in surgical patients		
Learning outcomes / reference to learning outcomes indicated in the standards		
For knowledge – student knows and understands: DW3, DW4, DW10		
For skills student can do: DU35, DU37, DU38, DU46, DU47		
For social competencies student is ready to: presenting an attitude promoting a healthy lifestyle, promoting and being active creating a healthy lifestyle and health promotion during related activities practicing the profession and determining the level of fitness necessary to practice the profession of physiotherapist		
9. Number of hours for the course		36
10. Number of ECTS points for the course		2
11. Ways to verify and evaluate learning outcomes		
Learning outcomes	Methods of verification	Assessment methods*
In terms of knowledge	Written test	*
In terms of skills	Observation of skills acquired by the student during practical classes, verification of the correctness of performing physiotherapy procedures	*
In terms of competence	Observation of skills acquired by the student during practical classes	*

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Rehabilitation, Faculty of Health Science in Katowice, Medical University of Silesia in Katowice, Ziołowa street 45/47 40-635 Katowice, Phone number (32) 252 43 70 / dolko@sum.edu.pl		
13. Name of the course coordinator: Katarzyna Gwizdek MSc, PT, kgwizdek@sum.edu.pl		
14. Prerequisites for knowledge, skills and other competencies: Characteristics of surgical treatment - the importance of physiotherapy in surgery		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	Medical clothing, variable footwear, stethoscope, blood pressure monitor, neurological hammer, centimeter tape, goniometer	
17. Location of classes	Department of Rehabilitation, Faculty of Health Science in Katowice, Medical University of Silesia in Katowice, Ziołowa street 45/47 40-635 Katowice	
18. Location and time for contact hours	Department of Rehabilitation, Faculty of Health Science in Katowice, Medical University of Silesia in Katowice, Ziołowa street 45/47 40-635 Katowice, fixed hours according to the report available at the Cathedral's secretariat	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_W01	The student knows ofetiology, pathomechanism, manifestations and the course of the most prevalent diseases in the area of: cardiology and cardiosugery, pulmonology, surgery, gynecology and obstetrics, geriatrics, psychiatry, intensive medical care, oncology and palliative medicine at the scope ensuring rational use of physiotherapies	DW3
P_W02	The student knows ofprinciples of diagnostics and general rules and management methods in the most prevalent diseases in the area of: cardiology and cardiosurgery, pulmonology, surgery, gynecology and obstetrics, geriatrics, psychiatry, intensive medical care, oncology and palliative medical care at the scope ensuring rational use of physiotherapies	DW4
P_W04	The student knows of rules for qualification foe surgery and major surgical procedures, including amputation for vascular causes and minimally invasive surgeries	DW10

P_U01	The student can of perform procedures in the area of respiratory physiotherapy in different pulmonological diseases, conditions after chest injuries, post-operative chest conditions and after lung transplants	DU35
P_U02	The student can of design, select depending on the patient's clinical and functional condition, and perform physiotherapeutic procedures in patients with functional and organic diseases of peripheral vessels and those after limb amputation for vascular causes	DU37
P_U03	The student can of implement strategies for early mobilization of a patients after abdominal or thoracic surgeries , perform physiotherapeutic procedures to expand the lungs and clear the bronchi, provide instructions in the area of prophylactics of early and delayed post-operative complications and give recommendations regarding post-operative ambulatory physiotherapy	DU38
P_U04	The student can of design, select depending on the patient's clinical and functional condition, and perform physiotherapeutic procedures in women after mastectomy, including management of lymphatic edema and impairment of the upper limb	DU46
P_U05	The student can of apply the principles of good communication with the patient and communicate with other members of the therapeutic team	DU47

20. Forms and topics of classes		Number of hours
20.1. Lectures		12
Physiotherapy of patients before and after the most common surgical procedures. Improvement programming, taking into account the stages, conditions and place of implementation		5
Modification of rehabilitation treatment in surgical patients, including specific functional diagnostics		3
Selected elements of functional examinations as well as elements of subjective and physical examination used in patients before and after surgery. Current guidelines for the rehabilitation of surgically treated people - a literature review		4
20.2. Seminars		6
Respiratory physiotherapy procedures in the states after chest trauma, conditions after chest surgery and after lung transplantation		1
Planning, selection - depending on the clinical and functional condition of the patient - procedures in patients with functional and organic peripheral vascular diseases		1,5
Planning, selection - depending on the clinical and functional condition of the patient - procedures in patients after amputation for vascular reasons		1,5
Planning, selection - depending on the clinical and functional condition of the patient - physiotherapy procedures for women after mastectomy, including management of lymph edema and impaired upper limb function		2
20.3. Practical classes		18

Implementing strategies for early patient activation after abdominal or chest surgery, performing physiotherapeutic procedures to relax the lungs and facilitate bronchial cleansing	5
Instructing the patient in the prevention of early and late postoperative complications and giving postoperative outpatient physiotherapy recommendations	4
Performing physiotherapeutic procedures in patients with functional and organic peripheral vascular diseases and patients after vascular amputation	4
Performing physiotherapy treatments for women after mastectomy, including management of lymphedema and upper limb impairment	5
20.4. Without a teacher	14
Etiology, pathomechanism, symptoms and course of the most common surgically treated diseases	5
Functional diagnostics in physiotherapy after surgery intervention	4
The process of physiotherapy in surgery	5
24. Readings	
<ol style="list-style-type: none"> 1. Marek Woźniewski ; aut. Grażyna Dąbrowska [i in.]. / Physiotherapy in surgery Warsaw: Medical publishing house PZWL, 2012. - VI, 196 s 2. Marek Woźniewski; [aut. Wojciech Golusinski i in.]. / Physiotherapy in oncology Warsaw : Medical publishing house PZWL, 2012. - X, 260 s 3. Zbigniew Śliwiński, Aleksander Sieroń ,editorial office . Great Physiotherapist : Publishing house. Elsevier Urban&Partner Wrocław 2014 tom II 4. Jacyna-Onyszkiewicz, Adam. / Basics of physiotherapy in surger / Poznań : Scientific publishing house WSPiA im. Mieszka I, 2011 5. Fiodorenko-Dumas, Zanna. / Rehabilitation in peripheral vascular diseases / Wrocław : MedPharm Polska, 2011. - 159 s. 6. Mikołajewska, Emilia. / Physiotherapy after mastectomy: treatment, exercises, prosthetic supplies / Warszawa : Medical publishing house PZWL, 2010. - 95, [1] s 	
25. Detail evaluation criteria	
<p>In accordance with the recommendations of the inspection bodies</p> <p>Completion of the course – student has achieved the assumed learning outcomes</p> <p>Detail criteria for completion and evaluation of the course are specified in the course regulations</p>	