

Course description

Part 1

Informacje ogólne o przedmiocie			
1. Major of study: Physiotherapy 2. Study profile: general academic	3. Study level: unified MSc 4. Form of study: intramural 5. Study cycle: cycle 2026-2031		
6. Year: III	7. Semester: V		
8. Course name: Physiotherapy in internal diseases in surgery			
9. Course status: required			
10. Course contents and assigned learning outcomes: Characteristics of surgical treatment - the importance of physiotherapy in surgery. Characterizing the role and importance of physiotherapy in surgery. Introducing students to the principles of selecting and implementing therapeutic exercises and physical procedures appropriate to the clinical and functional status of surgical patients. Performing functional tests of internal organs and performance tests necessary to select physiotherapy methods for surgical patients. Performing procedures and applying appropriate therapeutic methods to surgical patients.			
Learning outcomes/reference to learning outcomes included in (underline as appropriate): education standards (Regulation of the Minister of Science and Higher Education)/ <u>SUM Senate Resolution</u> (provide definitions included in the education standards/symbols of outcomes approved by the SUM Senate Resolution): in terms of knowledge, the student knows and understands: D.W3, D.W4, D.W10, D.W16 in terms of skills, the student is able to: D.U7, D.U35, D.U37, D.U38, D.U46, D.U47, D.U48 in terms of social competences, the student is ready to: OK_K05, OK_K06			
11. Number of hours per subject: (contact/including communication hours*/self-study*)	36/-/-	12. Number of ECTS points for the course:	2
13. Form of passing the course: integrated exam			
14. Ways to verify and evaluate learning outcomes:			
Learning outcomes	Methods of verification ***	Assessment methods**/ passing***	
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	*	

* if required by the educational standard

**in the case of an exam/credit assessment, the grade is assumed to be at the level of:

*** in accordance with the course regulations

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		
15. Name of Department, mailing address, e-mail: Department of Rehabilitation School of Health Sciences in Katowice Medical University of Silesia in Katowice, Ziołowa street 45/47 40-635 Katowice Phone number 32 252 43 70, 32 359 82 41/ dolko@sum.edu.pl		
16. Name and surname of the person responsible for the course / course coordinator: Katarzyna Gwizdek MSc, PT, kgwizdek@sum.edu.pl		
17. Prerequisites for knowledge, skills and other competencies: Knowledge of the basics of normal and functional anatomy, human physiology, general pathology and the clinical foundations of physiotherapy in surgery.		
18. Number of students in groups	In accordance with the Order of the Rector of the Medical University of Silesia	
19. Study materials / teaching resources	Medical clothing, change of footwear, stethoscope, blood pressure monitor, reflex hammer, measuring tape, goniometer, clock with a second hand (or stopwatch)	
20. Location of classes	Department of Rehabilitation School of Health Sciences in Katowice Medical University of Silesia in Katowice, Ziołowa street 45/47 40-635 Katowice	
21. Location and time for contact hours	according to the schedule on the notice board of the Department and Clinic of Rehabilitation at the Faculty of Rehabilitation and Rehabilitation Medicine at the Silesian Medical University in Katowice	
22. Learning outcomes:		
Number of the course learning outcome	Course learning outcomes	Reference to the learning outcomes contained in (underline as appropriate): educational standards/ <u>approved by the Senate of SUM</u>
C_K01	Student knows the etiology, pathomechanism, symptoms and course of the most common diseases in the field of surgery, to the extent that allows the rational use of physiotherapy measures.	D.W3
C_K02	Student knows the basics of diagnostics, the basic rules of conduct in the most common diseases in the field of surgery at a level that allows the practical use of physiotherapy measures.	D.W4
C_K03	Student knows the main principles of qualification for surgical procedures and basic surgical procedures, incl. vascular amputations as well as surgeries in the field of minimally invasive surgery.	D.W10
C_K04	The student knows the assumptions and principles of the ICF used in the process of physiotherapy in surgically treated patients.	D.W16
C_S01	The student is able to instruct patients undergoing surgical treatment, as well as their caregivers, on how to perform safe exercises, including those performed at home.	D.U7
C_S02	The student is able to perform procedures within the scope of respiratory physiotherapy, including those following	D.U35

	cardiac surgery with complications requiring the use of thoracic surgical techniques.	
C_S03	The student is able to plan, select, and perform procedures for patients after amputations due to vascular causes taking into account the patient's clinical and functional status.	D.U37
C_S04	The student can initiate early mobilization of patients after abdominal procedures. They can provide instruction on the prevention of early and late postoperative functional complications.	D.U38
C_S05	The student is able to plan, select, and perform physiotherapy treatments after mastectomy, as well as for patients with impaired upper limb function due to other causes, taking into account the patient's clinical and functional status.	D.U46
C_S06	The student is able to apply the principles of proper communication with the patient and is also able to communicate properly with other members of the therapeutic team.	D.U47
C_S07	The student is able to explain what actions can be taken to improve the quality of life of an elderly person, especially a terminally ill patient, using rehabilitation equipment.	D.U48
C_C01	The student is ready to recognize and recognize their own limitations, self-assess their deficits and educational needs in the field of physiotherapy in surgery, especially in the development of new surgical treatment methods.	OK_K05
C_C02	The student is ready to use objective sources of scientific information.	OK_K06
23. Teaching methods: Traditional teaching methods, expository methods (lectures, bibliography work), Activating methods (discussions, brainstorming, situational methods, role-playing, and engagement-supporting methods), Practical methods (practical and clinical sessions).		
24. Forms and topics of classes: **		Number of hours (contact):
24.1. 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
24.2. 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
24.3. Exercises		-

-	-
24.4. Clinical exercises	-
-	-
24.5. 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
24.6. Low fidelity simulations	-
-	-
24.7. High fidelity simulations	-
-	-
24.8. Self-study *	-
-	-
25. Balance of ECTS points:**	
ACTIVITY	NUMBER OF HOURS/ STUDENT WORKLOAD
Class hours according to the schedule with the teacher (contact)	36
Preparation for various forms of classes	-
Participation in consultations	-
Time for project/documentation/self-education	-
Self-education*	-
Preparation for the exam	-
Participation in the exam	-
Practical Classes	18
Professional internships	-
TOTAL HOURS	-
TOTAL NUMBER OF ECTS POINTS	2
26. 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 s. 	
27. Detail evaluation criteria:	
<p>In accordance with the recommendations of the inspection bodies Completion of the course – student has achieved the assumed learning outcomes Detail criteria for completion and evaluation of the course are specified in the course regulations.</p>	

* if required by the educational standard, the content of the self-study is provided by the instructor **
complete the appropriate sections in accordance with the instructions of the Council/Curriculum
Committee for the given field of study after approval by the Dean.