

CLASS CARD: Physiotherapy in orthopedics

Basic classes	Code in the study plan	ECTS
Physiotherapy in orthopedics	FV-86	1

Education profile	Practical
Faculty and field of study	Rehabilitation
Studies program in which the subject is realized	Phyciotherapy
Professor's name	Bartosz Wysoczański, PhD
Level of studies (eg. bachelor, master)	5 year linear master study
Study year and semester	4/ VII
Language	English
Method of realization (stationary/ distance learning)	stationary
Lectures/classes hours	30
Form of passing classes	practical
Type of subject (obligatory/ facultative)	facultative
Prerequisites	knowledge of: functional anatomy, kinesiotherapy, kinesiology, clinical biomechanics, pathomechanics, and the clinical basics of physiotherapy.

DETAILED INFORMATION

Course aims and objectives

1	To acquaint the student about pathological changes and their prevention occurring in the musculoskeletal system.
2	Acquiring the skills of proper inference in the field of kinesiotherapy, physical therapy.

LEARNING OUTCOMES IN KNOWLEDGE, SKILLS AND SOCIAL COMPETENCES FOR CLASSES

Learning outcome	Subject's learning outcomes
KNOWLEDGE	
D.W1	1. Describes and explains pathological changes in various diseases and structural disorders caused by illness, injury or other form of disability 2. Identifies and recognizes pathologies within the musculoskeletal system.

D.W2	Knows the principles and method of conducting subjective and objective examination.
SKILLS	
D.U1	<ol style="list-style-type: none"> 1. Student is able to make a functional diagnosis of orthopedic dysfunctions within the musculoskeletal system resulting from overload, degenerative and traumatic changes. 2. Performs tests and evaluates the functional deficit of patients in the perioperative period.
D.U2	Performs tests and evaluates the functional deficit of patients in the perioperative period.
D.U3	Student is able to make a functional diagnosis of orthopedic dysfunctions within the musculoskeletal system resulting from overload, degenerative and traumatic changes.
SOCIAL COMPETENCES	
O.K4	Student is able to see the need to secure intimate conditions during patient examination.
O.K6	Understands the need to cooperate with specialists with different competences in order to diagnose the patient.

SUBJECT PROGRAM CONTENT DIVISION BY FORMS OF IMPLEMENTATION

FORM OF CLASSES – LECTURE - subject		Reference to subject-specific learning outcomes
FORM OF CLASSES – CLASSES– subject		Reference to subject-specific learning outcomes
SC 1	Upper extremity – clinical cases	D.W1, D.W2, D.U1, D.U2, D.U3, O.K4, O.K6
SC 2	Biomechanical and functional connections between upper extremity, shoulder girdle and the rest of the torso – clinical cases	D.W1, D.W2, D.U1, D.U2, D.U3, O.K4, O.K6
SC 3	Lower extremity – clinical cases	D.W1, D.W2, D.U1, D.U2, D.U3, O.K4, O.K6

PLANNED METHODS/FORMS/TEACHING MEANS

Program content	Teaching methods/forms
1-3	Discussion, Practical activities, Conducting part of the classes by the students
Teaching resources: medical scrubs	

METHODS OF VERIFYING THE EXPECTED LEARNING OUTCOMES ACHIEVED BY THE STUDENT

Learning outcomes for classes	Assessment methods
1-3	Practical test

CONDITIONS FOR PASSING CLASSES:

1. Active presence on all classes
2. Practical Test according to the norms

SAMPLE ASSESSMENT/EXAMINATION TOPICS

Local grade	Grade	Criteria
5	A	<p>Correctly conducted clinical tests and inference</p> <p>Proposing plan for rehabilitation or prevention of an injury. Student will teach the patient how to properly carry out the kinesiotherapy exercises, and explain him their purpose.</p> <p>Develop and assign a homework for the patient.</p>
4,5	B	<p>Correctly conducted clinical tests and inference.</p> <p>Proposing plan for rehabilitation or prevention of an injury.</p> <p>Student will teach the patient how to properly carry out the kinesiotherapy exercises, and explain him their purpose.</p>
4	C	<p>Correctly conducted clinical tests and inference.</p> <p>Student will teach the patient how to properly carry out the kinesiotherapy exercises, and explain him their purpose.</p>
3,5	D	<p>Correctly conducted clinical tests and inference.</p> <p>A student will properly carry out the kinesiotherapy exercises, and explain their purpose.</p>
3	E	Correctly conducted clinical tests and inference.
2	F	A student cannot conduct a clinical tests.

ENGLISH BIBLIOGRAPHY

Basic	<ul style="list-style-type: none"> • Magee DJ. Orthopedic Physical Assessment. 7th ed. St. Louis: Elsevier; 2020.
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	<ul style="list-style-type: none"> Levine D, Richards J, Whittle MW. Whittle's Gait Analysis. 6th ed. Edinburgh: Elsevier; 2022. Cook G. Movement: Functional Movement Systems: Screening, Assessment, Corrective Strategies. Santa Cruz: On Target Publications; 2010.
Additional	

SELF STUDY

Full-time studies		Type of activity
Number of hours to complete the activity	ECTS	
30	1	Active presence at the classes
4		Preparing for a practical test, familiarize with the bibliography concerning exact topic

Number of ECTS points that a student obtains in classes developing practical skills: 1

Author of the class card:	Name, surname and email
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