

Subject: Clinical basics of physiotherapy in orthopedics, traumatology and sports medicine

I. General information

Organization unit	Faculty of REHABILITATION Chair: Clinical Physiotherapy Supervisor: dr hab Grażyna Brzuszkiewicz - Kuźmicka
Course name	Clinical basics of physiotherapy in orthopedics, traumatology and sports medicine
Subject code	FV-62
Teaching language	english
Type of subject (obligatory/ facultative)	obligatory
Level of studies	Master (linear)
Study year	4
Semester	7
ECTS points	3
Teacher/ e-mail	Dr hab Aleksandra Truszczyńska-Baszak (aleksandra.truszczynska@awf.edu.pl)
Studies program in which the subject is realized	Physiotherapy
Method of realization (stationary/ distance learning)	stationary
Prerequisites	human functional anatomy, palpation anatomy, kinesiology, kinesiotherapy, biomechanics

II. Detailed Information

Course aims and objectives

A1	Familiarize students with the role of physiotherapy in orthopedics
A2	Preparing the student for examination, selection of therapeutic agents and performing procedures in the field of physiotherapy in orthopedics
A3	To familiarize the student with the treatment of selected injuries in the field of orthopedics

Learning outcomes

Learning outcome	Subject's learning outcomes
Knowledge	
In terms of knowledge, the graduate knows and understands:	
O.W.01	1. Has extended knowledge of functional anatomy, especially of the musculoskeletal system 2. Can determine the biomechanical and biophysical properties of individual tissues and cells in terms of factors that affect them
O.W.10	1. Understands the cause and effect relationships of pathological processes 2. Can perform an examination of the patient for the needs of physiotherapy, taking into account the specificity and type of injury 3. Can plan the therapeutic procedure depending on the type of injury or dysfunction 4. Can verify the effects of his work in the field of therapeutic activities
Skills	
In terms of skills, the graduate can: O.U1,3 4,5, D.U1,46	1. Understands the cause and effect relationships of pathological processes 2. Can perform an examination of the patient for the needs of physiotherapy, taking into account the specificity and type of injury 3. Can plan the therapeutic procedure depending on the type of injury or dysfunction 4. Can verify the effects of his work in the field of therapeutic activities
Social Competences	
In terms of social competence, the graduate is ready to: OK.06,7,9	1. Can combine knowledge from various scientific disciplines 2. Can look at the patient holistically, taking into account various aspects of the development and treatment of dysfunctions 3. Follows scientific reports on the use and treatment effects of various physiotherapeutic methods in orthopedics, traumatology and sports medicine

Syllabus contents

No	Title
Classes/ Practical classes	
O.W1/1,2,3 O.W10/1,2,3,4	Imaging diagnostics methods in orthopedics, traumatology and sports medicine
O.W1/1,2,3 O.W10/1,2,3,4 D.W1/1,2,3,4 DW2/1234 O.U3/1,2,3,4,5,6,7,8 O.U4/5,6 O.U5/7 D.U1/4,5,6 D.U4/1/2,3,4,5,6 D.U6/1,2,3,4,5,6 O.K61,2,3 O.K71,2,3,4,5	Overload and degenerative disease of peripheral joints - methods of treatment (including hip, knee arthroplasty) with particular emphasis on physiotherapy.

O.K91,2	
O.W1/1,2,3 O.W10/1,2,3,4 D.W1/1,2,3,4 DW2/1234 O.U3/1,2,3,4,5,6,7,8 O.U4/5,6 O.U5/7 D.U1/4,5,6 D.U4/1/2,3,4,5,6 D.U6/1,2,3,4,5,6 O.K61,2,3 O.K71,2,3,4,5 O.K91,2	Overload-degenerative disease of the spine - methods of treatment in particular types of damage (including discopathies, stenosis, instability, spondylolisthesis) with particular emphasis on physiotherapy.
O.W1/1,2,3 O.W10/1,2,3,4 D.W1/1,2,3,4 DW2/1234 O.U3/1,2,3,4,5,6,7,8 O.U4/5,6 O.U5/7 D.U1/4,5,6 D.U4/1/2,3,4,5,6 D.U6/1,2,3,4,5,6 O.K61,2,3 O.K71,2,3,4,5 O.K91,2	Physiotherapy in osteoporosis Shoulder complex and its physiotherapy Pelvic pain

Assessment criterion

Local grade	Grade	Criteria
5	A	adequate result in patient examination
4,5	B	adequate result in patient examination
4	C	adequate result in patient examination
3,5	D	adequate result in patient examination
3	E	adequate result in patient examination
2	F	Insufficient result in patient examination

1 ECTS point = 30 hours students work (contact + self study)

TYPES OF CLASSES	HOURS
Contact hours	30
Self study	30
Total = 60 hours = 2 ECTS	