

## Subject: Paediatrics physiotherapy

### I. General information

Organization unit	Faculty of Rehabilitation Chair: Rehabilitation
Course name	Paediatrics physiotherapy
Subject code	FV77
Teaching language	English
Type of subject (obligatory/ facultative)	obligatory
Level of studies (eg. bachelor, master)	master
Study year	4
Semester	7
ECTS points	2
Teacher/e-mail	Anna <a href="mailto:Anna.kloze@op.pl">Kloze/Anna.kloze@op.pl</a> <a href="mailto:anna.kloze@awf.edu.pl">anna.kloze@awf.edu.pl</a>
Studies program in which the subject is realized	PHYSIOTHERAPY
Method of realization (stationary/ distance learning)	Stationary
Prerequisites	Students are required to have knowledge of: 1. Basics of normal sensimotor development In children 2. Basics of abnormal psychomotor development In children

## II. Detailed Information

### Course aims and objectives

A1	To acquaint the students with basics of neurodevelopmental treatment for children
A2	To acquaint the students with basics tests for children with neurodevelopmental dysfunction

### Learning outcomes

Learning outcome	Subject's learning outcomes
<b>Knowledge</b>	
<b>D.W1</b> ethology, pathomechanism, symptoms and course of musculoskeletal dysfunction in the area of: orthopaedics, traumatology and sports medicine, rheumatology, neurology and neurosurgery, as well as paediatrics and paediatric neurology, to the extent that allows rational use of physiotherapy	Student understands pathomechanism children neurological dysfunctions to the extent that allows rational use of physiotherapy
<b>D.W2</b> diagnosis principles and general principles and methods of the most important musculoskeletal dysfunctions treatment in the field of: orthopaedics, traumatology and sports medicine, rheumatology, neurology and neurosurgery as well as paediatrics and paediatric neurology, to the extent enabling the use of physiotherapy;	Students has a knowledge about diagnosis principles and special tests for children with neurodevelopmental dysfunctions. Student knows methods of therapy useful in children with neurodevelopmental problems, Student knows principles based on NDT-Bobath principles in the first year of life
<b>Skills</b>	
<b>D.U18</b> perform child psychomotor development assessment	Student is able to assess child psychomotor development Student can use tests for children with neurodevelopmental dysfunctions
<b>D.U19</b> perform newborn and infant spontaneous movements assessment	Student has a skill to perform infant spontaneous movements assessment based on NDT-Bobath principles
<b>D.U21</b> perform clinical assessment of increased or decreased muscle tone in children, including spasticity and stiffness;	Student performs clinical assessment of increased or decreased muscle tone in children, including spasticity and stiffness
<b>Social Competences</b>	
<b>E.U2</b> interpret the research and relate it to the current state of knowledge	Student interprets the research and relate it to the current state of knowledge in physiotherapy at development age of children

<b>E.U5</b> present the results of a scientific study	Student presents the results of a scientific study connecting physiotherapy at development age of children
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### Syllabus contents

No	Title
<b>Classes/ Practical classes</b>	
SC1	Introduction to the course ( preparation for classes, requirements). Demonstration methods of evaluation and treatment based on NDT-Bobath principles in the first year of life
SC2	Demonstration neurodevelopmental tests and treatments for children with neuromotor dysfunctions Students participate in therapy and provide an assesment children with neurodevelopmental dysfunctions
SC3	Familiar with multidisciplinary treatment in early intervention process. Students participate in group therapy for children with special needs. Final evaluation.

### Assessment criterion

Local grade	Grade	Criteria
<b>5</b>	<b>A</b>	Student possesses the knowledge and skills required. Student presents the knowledge of a number of academic publications. The knowledge exceeds the material discussed during classes. Student adeptly uses tools to evaluate functional status of children and has remarkable social competences to work as a paediatric physiotherapist.
<b>4,5</b>	<b>B</b>	Student possesses the knowledge and skills required. Student presents the knowledge of a few academic publications and uses tools to evaluate functional status of children.
<b>4</b>	<b>C</b>	Student possesses the knowledge and skills required. Student uses an adequate test to evaluate a patient.
<b>3,5</b>	<b>D</b>	Student possesses the minimum knowledge and skills required. Student uses tests to evaluate a patient.
<b>3</b>	<b>E</b>	Student possesses the minimum knowledge and skills required to diagnose a patient and conduct a therapy on a basic level.
<b>2</b>	<b>F</b>	Student does not possess the minimum knowledge and skills required.

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

TYPES OF CLASSES	HOURS
Contact hours	22,5 h
Self study	37,5 h
<b>Total = 60 hours = 2 ECTS</b>	