

## Course description

<b>Course abbreviation:</b>	KFE/EVP1	<b>Page:</b>	1 / 4
<b>Course name:</b>	Ergotherapy in pediatrics 1.		
<b>Academic Year:</b>	2023/2024	<b>Printed:</b>	31.05.2024 15:03

<b>Department/Unit /</b>	KFE / EVP1			<b>Academic Year</b>	2023/2024
<b>Title</b>	Ergotherapy in pediatrics 1.			<b>Type of completion</b>	Pre-Exam Credit
<b>Accredited/Credits</b>	Yes, 3 Cred.			<b>Type of completion</b>	Combined
<b>Number of hours</b>	Lecture 1 [Hours/Week] Tutorial 3 [Hours/Week]			<b>Course credit prior to</b>	NO
<b>Occ/max</b>	Status A	Status B	Status C	<b>Counted into average</b>	NO
<b>Summer semester</b>	0 / -	0 / -	0 / -	<b>Min. (B+C) students</b>	10
<b>Winter semester</b>	22 / -	0 / -	0 / -	<b>Repeated registration</b>	NO
<b>Timetable</b>	Yes			<b>Semester taught</b>	Winter semester
<b>Language of instruction</b>				<b>Internship duration</b>	0
<b>Optional course</b>	Yes				
<b>Evaluation scale</b>	S\N				
<b>No. of hours of on-premise</b>					
<b>Auto acc. of credit</b>	Yes in the case of a previous evaluation 4 nebo nic.				
<b>Periodicity</b>	K				
<b>Substituted course</b>	None				
<b>Preclusive courses</b>	N/A				
<b>Prerequisite courses</b>	N/A				
<b>Informally recommended courses</b>	N/A				
<b>Courses depending on this Course</b>	KFE/CLE4N				

### Course objectives:

Learning outcomes of the course unit is to acquaint students with the basics of developmental kinesiology and possibilities of its application in eergotherapy, to explain the nature of ergotherapy, approaches and methods used in inborn and acquired defects, to emphasize the importance of cooperation with family and other members of multidisciplinary team, to define the essence of handling, to define the essence of upright, postural and defensive functions.

### Requirements on student

Lecture: Written test with 75% success rate, 80% attendance at lectures.  
Practical: 100% attendance at practicals, essay elaboration.

### Content

#### Lectures

1. Developmental kinesiology, examination of the child in the first year of life.
2. Postural activity in first and second trimenon.
3. Postural activity in the third trimenon and in the fourth trimenon.
4. Walking, grip and game development.
5. Ergotherapy in cerebral palsy in children, spastic and non-spastic forms, examination.
6. Comprehensive rehabilitation for cerebral palsy in children - therapeutic, pedagogical, social, occupational.
7. Ergotherapy for Down Syndrome Diagnosis.
8. Ergotherapy for mental retardation.
9. Development of self-sufficiency, training of self-sufficiency in children with cerebral palsy.
10. The issue of verticalization in children with cerebral palsy.
11. Ergotherapy in scoliosis and faulty posture, school of back.

#### Practicals

1. Examination of gross and fine motorics, cognitive and postural functions.
2. Positioning.
3. Handling, inhibition, facilitation.

4. Basics of handling of spastic and hypotonic children, positioning.
5. Oblique sitting, climbing, rating, motivation by game to reach positions, compensation.
6. Stand and walk, evaluation, game motivation to achieve positions, compensation.
7. Practical use of games, toys and therapeutic activities for individual ages.
8. Examination of the child through observation under natural conditions, determination of the goal of therapy, problem areas, short-term and long-term planning with respect to diagnosis.
9. Compensatory aids for children with health disabilities, adaptation of the home environment.
10. Refill of the therapeutic unit, use of the game, parental education.
11. Modern trends in TeraSuit therapy, Constraint induced Movement Therapy in children with cerebral palsy.

## Fields of study

## Guarantors and lecturers

- **Guarantors:** PhDr. Ilona Zahradnická (100%)
- **Lecturer:** PhDr. Ilona Zahradnická (100%)
- **Tutorial lecturer:** PhDr. Ilona Zahradnická (100%)

## Literature

- **Recommended:** Vojta, Václav; Peters, Annegret. *Das Vojta-Prinzip : Muskelspiele in Reflexfortbewegung und motorischer Ontogenese*. 3. Aufl. Heidelberg : Springer, 2007. ISBN 978-3-540-46509-6.
- **Recommended:** Kraus, Jan. *Dětská mozková obrna*. Praha : Grada Publishing, 2005. ISBN 80-247-1018-8.
- **Recommended:** Marešová, Eva; Joudová, Pavla; Severa, Stanislav. *Dětská mozková obrna : možnosti a hranice včasné diagnostiky a terapie*. 1. vyd. Praha : Galén, 2011. ISBN 978-80-7262-703-5.
- **Recommended:** Vojta, Václav. *Mozkové hybné poruchy v kojeneckém věku : Včasná diagnóza a terapie*. 1. čes. vyd. Praha : Grada, 1993. ISBN 80-85424-98-3.
- **Recommended:** Holubářová, Jiřina; Pavlů, Dagmar. *Proprioceptivní neuromuskulární facilitace. 1. část*. 1. vyd. Praha : Karolinum, 2007. ISBN 978-80-246-1294-2.
- **Recommended:** Kolář, Pavel. *Rehabilitace v klinické praxi*. Praha : Galén, 2009. ISBN 978-80-7262-657-1.
- **Recommended:** Pavlů, Dagmar. *Speciální fyzioterapeutické koncepty a metody I. : koncepty a metody spočívající převážně na neurofyziologické bázi*. 2., opr. vyd. Brno : CERM, 2003. ISBN 80-7204-312-9.
- **Recommended:** Vojta, Václav. *Vojtův princip : Svalové souhry v reflexní lokomoci a motorická ontogeneze*. Praha : Grada, 1995. ISBN 80-7169-004-X.

## Time requirements

### All forms of study

Activities	Time requirements for activity [h]
Contact hours	44
Preparation for formative assessments (2-20)	20
Undergraduate study programme term essay (20-40)	20
<b>Total:</b>	<b>84</b>

## assessment methods

**Knowledge - knowledge achieved by taking this course are verified by the following means:**

Test

**Skills - skills achieved by taking this course are verified by the following means:**

Skills demonstration during practicum

**Competences - competence achieved by taking this course are verified by the following means:**

Test

Skills demonstration during practicum

**prerequisite****Knowledge - students are expected to possess the following knowledge before the course commences to finish it successfully:**

fundamental philosophy of theory of ergotherapy to explain

**Skills - students are expected to possess the following skills before the course commences to finish it successfully:**

to test the psychomotor development of the individual

**Competences - students are expected to possess the following competences before the course commences to finish it successfully:**

N/A

N/A

N/A

N/A

N/A

N/A

N/A

**teaching methods****Knowledge - the following training methods are used to achieve the required knowledge:**

Lecture with visual aids

**Skills - the following training methods are used to achieve the required skills:**

Practicum

Skills demonstration

**Competences - the following training methods are used to achieve the required competences:**

Lecture with visual aids

Practicum

Skills demonstration

**learning outcomes****Knowledge - knowledge resulting from the course:**

to characterize problematics of ergotherapy in pediatrics

to characterize supports in individual stages of developmental kinesiology

**Skills - skills resulting from the course:**

to use the developmental kinesiology as a diagnostic and therapeutic instrument in ergotherapy of children and adults

to use the support over the upper limb in the context of scrolling to the side, abdomen, seating and within the framework of transfers

parents to educate

to implement games as basic activities in therapeutic programs

to create a goal of handling in the treatment of spastic and non-spastic forms of cerebral palsy in children

to propose training for self-sufficiency for children suffering from cerebral palsy

**Competences - competences resulting from the course:**

N/A

N/A

N/A

N/A

N/A

N/A

N/A

**Course is included in study programmes:**

Study Programme	Type of	Form of	Branch	Stage	St. plan v.	Year	Block	Status	R.year	R.
Occupational Therapy	Bachelor	Full-time	Occupational Therapy	1	2019	2023	Povinné předměty	A	3	ZS