

COURSE UNIT DESCRIPTION

Course unit title		Code	
Professional practice (pediatric practice)		KTPR3415	
Lecturer(s)		Department(s)	
Coordinating: lect. L. Budrienė Others:		Vilnius university, Faculty of medicine, Department of Rehabilitation, physical and sports medicine, Santariškių g. 2, LT – 08661, Vilnius	
Cycle	Level of the course unit	Type of the course unit	
1st cycle	IV/VI	Compulsory	
Mode of delivery	Period of delivery	Language of instruction	
Face-to-face	VI semester	Lithuanian	
Prerequisites and corequisites			
Prerequisites: A student must have completed the following courses: Basics of physiotherapy, Pathological conditions and functional disorders, Medical ethics, First aid and basics of nursing, Physiotherapy in pediatrics		Corequisites (if any):	
Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
10	160	146	120
Purpose of the course unit			
Programme competences to be developed			
To develop an assessment skills of functional status for patients with cardiovascular, digestion and respiratory systems or ENT disorders; to develop abilities to perform physiotherapy programme and evaluate PT programme's efficiency for mentioned pathological conditions. To improve practice skills in assessment of child's development and abilities to perform physiotherapy programme and evaluate its efficiency or choosing appropriate assistive devices for the children with different disorders.			
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods	
At the end of the study programme graduate will:			
Demonstrate an ability to communicate and organise effectively working in a team/group.	Role playing, group discussion, case study.	Knowledge are assessed during seminars	
Be able to perform systematic and purposive physiotherapeutic assessment of cardiovascular, digestion and respiratory systems or ENT and based on the analysis to make physiotherapy goals, objects or PT diagnosis; be able to assess development of the child and to make PT diagnosis;		Knowledge are assessed during seminars (case study), practical skills are assessed by practical instructor in rehabilitation unit.	
Be able to make and perform physiotherapy programme based on PT diagnosis and to adjust assistive technologies for patients with cardiovascular, digestion and respiratory systems or ENT disorders, also for children with different disorders.	Clinical practice in rehabilitation units: demonstration of clinical skills under supervision Group discussion and role playing, case studies during seminars. Writing of clinical practice diary	Knowledge are assessed during seminars (case study), practical skills are assessed by practical instructor in rehabilitation unit.	
Be able to evaluate and analyse a physiotherapy intervention for patients with cardiovascular, digestion and respiratory systems or ENT disorders, also for children with different disorders.		Assessment by clinical instructor according to estimated criteria.	
Demonstrate understanding of ethical principles communicating with patients and rehabilitation team members.		Assessment of clinical practice diary	

Be able to educate patients with cardiovascular, digestion and respiratory systems or ENT disorders, also children with different disorders to become responsible for a health promoting lifestyle.		
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Topics	Contact work hours							Time and tasks of self-study	
	Lectures	Consultations	Seminars	Practice	Labaratory wokr	Practical training	Total contact hours	Self-study	Tasks
1. Physiotherapy assesement methods for patients with cardiovascular system disorders						146	146	120	Preapare for clinical case study
2. Physiotherapy for patients with cardiovascular systems disorders.									Preapare for clinical case study
3. Physiotherapy for patients with respiratory system disorders.									Preapare for clinical case study
4. Physiotherapy for patients with anemia, leukemia.									Preapare for clinical case study
5. Physiotherapy and physical agents for patients after muscular skeletal injuries									Preapare for clinical case study
6. Physiotherapy for children with different disorders.									Preapare for clinical case study
7. Physiotherapy for patients with ENT disorders.									Preapare for clinical case study
8. Physiotherapy for patients with digestion system disorders.									Preapare for clinical case study
Total:						146	146	120	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Description of two clinical cases	Pass/Fail	During semester	<p>Evaluated of clinical cases:</p> <p>3 points – Physiotherapy (PT) assessment is performed consistently (primary and repeated); physiotherapy issues, goals and objectives is made correctly (according to the SMART principle), physiotherapy diagnosis formulated and PT programme is made properly; an assistive technologies ajusted properly too; PT efficiency is evaluated with recommendations for patient; professional terminology is used correctly.</p> <p>2 points - Physiotherapy assessment is performed consistently, but interpetation of data is not correct; PT issues, goals and objectives is made correctly, but using not enough professional terminology. PT diagnosis formulated and PT programme is made innacurate; the use of an assitive technologies aren't justified; PT efficiency is evaluated with incorrect recommendations for patient;</p> <p>1 point – Physiotherapy assessment is performed not consistently; PT issues, goals, objectives and PT diagnosis are made incorrect; PT programme is made innacurate; the use of an assitive technologies aren't justified; PT efficiency isn't</p>

			evaluated; Recommendations for patient are general; Professional terminology is poor. 0 point – Physiotherapy assessment isn't performed or performed using 1/3 assessment methods; there is no interpretation of data and no formulated goals, objectives or interpretation is incorrect; PT programme is made inaccurate; the use of assistive technologies aren't justified; PT efficiency isn't evaluated; Recommendations for patient are unsuitable or it isn't introduced completely; Professional terminology is poor.
Assessment of practical instructor	Pass/Fail	Last day of clinical practice	Student's ability is assessed during clinical practice at the rehabilitation unit: Excellent (10 points) - PT programme is performed methodically correct; the student is dutiful, disciplined, punctual, excellent in theoretical knowledge and communication with the patient and medical staff; Very good (9 points) – PT programme is performed methodically correct, the student is dutiful, disciplined, punctual, very good in theoretical knowledge and communication with the patient and medical staff; Good (8 points) - PT programme is performed correctly, but there is a lack of strong practical skills; good in theoretical knowledge and communication with the patient and medical staff; clinical practice programme is completed (for a missed days student has worked by additional schedule), On average (7 points) - PT programme is performed with the physiotherapist's instructions; the student doesn't demonstrate initiative, not always disciplined, punctual, tidy; sufficient in theoretical knowledge; Satisfactory (6 points) - PT programme is performed with the physiotherapist's instructions; the student doesn't demonstrate initiative, is hard and reluctant in communication with the patient and medical staff; is weak in theoretical knowledge; clinical practice programme isn't completed (for a missed days student hasn't fully worked by additional schedule); Poor (5 points) - PT programme is performed under physiotherapist's supervision; the student isn't interested in their profession, demonstrates weak theoretical knowledge; is hard and reluctant in communication with the patient and medical staff; Unsatisfactory (4 points or less) – student is unable to perform PT programme, isn't interested in their profession, demonstrates lack of theoretical knowledge; is hard in communication with patients and medical staff; missed 1/3 of clinical practice time;
Writing of clinical practice diary	Pass/Fail	One day pass after the completion of clinical practice	1 point – A clinical practice diary is fully completed 0 point – A clinical practice diary is completed less than half or isn't given completely.

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and Publisher or Internet link
Required reading				
Susan B. O'Sullivan, Thomas J. Schmitz,	2014	Physical Rehabilitation (Chapter 8,14)		F.A. Davis Company (Library of VU MF)

George D. Fulk				
Gary D. Hammer, Stephen J. McPhee,	2014	Pathophysiology of Disease: An Introduction to Clinical Medicine, 7e (Chapter 13, 14, 16, 18)		Copyright by McGraw-Hill Education (AccessMedicine, VU database)
Campbell S ir kiti	2012	Physical Therapy for Children, 4e		Elsevier Saunders (Library of VU MF)
Editor: Gerard M. Diherty	2010	Current diagnosis and treatment: Surgery, 13 e (Chapter 1-5,25, 27, 31, 38, 39, 44)		Copyright by the McGraw-Hill Companies (AccessMedicine, VU duomenų bazė)
Mosby, Kathy falk.	2010.	Guide to Physical Therapy		Copyright gy Mosby (Library of VU MF)
Wolraich M. ir kt.	2008	Developmental-behavioral Pediatrics: Evidence and practice.		Mosby Elsevier (Library of VU MF)
Recommended reading				
Gary D. Hammer, Stephen J. McPhee,	2014	Pathophysiology of Disease: An Introduction to Clinical Medicine, 7e (Chapter 6)		Copyright by McGraw-Hill Education (AccessMedicine, VU database)

COURSE UNIT DESCRIPTION

Course unit title		Code
Professional practice		KTPR3615
Lecturer(s)		Department(s)
Coordinating: Assist. PhD Ieva Eglė Jamontaitė Others: Lect. Lina Budrienė, lect.R.Venskaitis		Vilnius University, Faculty of Medicine, The Department of Rehabilitation, Physical and Sports Medicine, Santariškių str. 2, LT – 08661, Vilnius
Cycle	Level of the course unit	Type of the course unit
1st cycle	VI/VI	Compulsary
Mode of delivery	Period of delivery	Language of instruction
Face-to-face	VIII semester	Lithuanian
Requirements for studying		
Prerequisites: A student must have completed the following courses: Functional Anatomy, Human Physiology and Biochemistry, Biomechanics of human movement, Basics		Corequisites (if any): Bachelor thesis

of Kinesiology, Basics of Rehabilitation, First aid and basics of nursing, Physiotherapy in neurology, Physiotherapy in traumatology and orthopaedics, Physiotherapy in internal medicine, Physiotherapy in pediatrics, Physiotherapy in elderly			
Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
15	400	316	84

Purpose of the course unit		
Programme competences to be developed		
The student will develop an ability to integrate the knowledge, physical skills, principles of evidence based practice and clinical reasoning, ethical and professional behaviours that are necessary to function competently as a physiotherapist. Emphasis will be placed on developing student's knowledge and skills to function autonomously as primary contact health practitioner in different health care settings.		
Learning outcomes of the course unit	Teaching and studying methods	Assessment methods
General competences		
At the end of the study programme graduate will:		
Be able to collaborate, communicate and work as a physiotherapist in rehabilitation team in accordance with ethical principles.	Clinical practice in rehabilitation units: autonomous work with patients under supervision. Group discussion, role playing, case studies during seminars. Writing a practice report and diary.	Practical skills assessment by clinical instructor according estimated criteria. Presentation of practice report and diary.
Be able to demonstrate ability to organize and carry out individual and group activities in order to work towards a common outcome.		
Subject-specific competences		
At the end of the study programme graduate will:		
Be able to demonstrate ability to perform systematic and purposive physiotherapeutic assessment, formulate physiotherapy diagnosis for patients with different diseases and after trauma.	Clinical practice in rehabilitation units: autonomous work with patients under supervision. Group discussion, role playing, case studies during seminars. Preparation of individual assignment (case study). Writing a practice report and diary.	Individual assignment (case studies) presentation and evaluation. Practical skills assessment by clinical instructor according estimated criteria. Presentation of practice report and diary.
Be able to demonstrate ability to develop physiotherapy intervention plan based on physiotherapy diagnosis for whole rehabilitation period for patients with different diseases and after trauma.		
Be able to demonstrate ability to perform physiotherapy program, analyse effectiveness, make adjustments and discontinue if required.		
Be able to demonstrate ability to combine physiotherapy with other rehabilitation procedures (e.g.: occupational therapy).		
Be able to demonstrate ability to educate patients/clients to become responsible for a health promoting lifestyle and implement prevention.		
Be able to act professionally based on a critical scientific attitude and lifelong learning.	Searching of information , analysis of scientific literature, preparation of individual assignment (case study).	Individual assignment (case studies) presentation and evaluation.

Total						316	316	84	
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Assessment strategy	Weight %	Assessment period	Assessment criteria
Practical skills evaluation by clinical instructor	Pass/Fail	Last day of clinical practice	<p>Student's ability is assessed during clinical practice at the rehabilitation unit: Excellent (10 points) - PT programme is performed methodically correctly; the student is dutiful, disciplined, punctual, excellent in theoretical knowledge and communication with the patient and medical staff; Very good (9 points) – PT programme is performed methodically correctly, the student is dutiful, disciplined, punctual, very good in theoretical knowledge and communication with the patient and medical staff; Good (8 points) - PT programme is performed correctly, but there is a lack of strong practical skills; good in theoretical knowledge and communication with the patient and medical staff; clinical practice programme is completed (for a missed days student has worked by additional schedule), On average (7 points) - PT programme is performed with the physiotherapist's instructions; the student doesn't demonstrate initiative, not always disciplined, punctual, tidy; sufficient in theoretical knowledge; Satisfactory (6 points) - PT programme is performed with the physiotherapist's instructions; the student doesn't demonstrate initiative, is hard and reluctant in communication with the patient and medical staff; is wake in theoretical knowledge; clinical practice programme isn't completed (for a missed days student hasn't fully worked by additional schedule); Poor (5 points) - PT programme is performed under physiotherapist's supervision; the student isn't interested in their profession, demonstrates weak theoretical knowledge; is hard and reluctant in communication with the patient and medical staff; Unsatisfactory (4 points or less) – student is an able to perform PT programme, isn't interested in their profession, demonstrates lack of theoretical knoweledge; is hard in communication with patients and medical staff; missed 1/3 of clinical practice time;</p>
Presentation of 3 clinical cases	Pass/Fail	During semester	<p>Analysis of 3clinical cases (individual assignment in written):</p> <ol style="list-style-type: none"> 1) 2 cases with patient examination and physiotherapy program development; 2) 2 cases with patient comprehensive examination and rehabilitaion program development. <p>3 grade - carried out a detailed examination of the patient (initial and repeated), performed correct data interpretation, correctly formulated physiotherapy diagnosis, goals and objectives (according to the SMART); developed appropriate physiotherapy program; correctly selected orthopedic and assistive devices; evaluated physiotherapy efficiency with interpretation of results; described detailed recomendations for patient and prepared home program; in terminology is used correctly.</p> <p>2 grade - carried out a detailed examination of the patient (initial and repeated), but not all data corectly interpreted; correctly formulated physiotherapy diagnosis, goals and objectives (according to the SMART), but not sufficiently used specialty terminology; developed physiotherapy program with few inaccuracies selecting orthopedic and assistive devices; evaluated physiotherapy efficiency but with limited interpretation of results; described recomendations for patient and prepared home program with few inaccuracies.</p>

			<p>1 grade - carried out an incomplete examination of the patient (evaluated not all functions); not correctly formulated physiotherapy diagnosis, goals and objectives; developed physiotherapy program only partially reflects the goals and objectives, not adequately justified selection of exercises and orthopedic or assistive devices; evaluated physiotherapy efficiency without interpretation of results; presented very general recommendations to the patient, prepared home program.</p> <p>0 grade - carried out examination of the patient (initial and repeated) using inappropriate methods of examination; outcomes are not interpreted, formulated physiotherapy diagnosis, goals and objectives inaccurate; developed physiotherapy program only partially reflects the goals and objectives, not adequately justified selection of exercises and orthopedic or assistive devices; not evaluated physiotherapy program efficiency; not presented or presented inaccurate recommendations to the patient and home program.</p>
Practice report and diary presentation	Pass/Fail	During semester	<p>1 point – completed report and diary.</p> <p>0 point – report and diary not presented or not completed less than half.</p>
For missed practice sessions the student has to settle the extra time.			
The final exam score consist of:			

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and Publisher or Internet link
Jone K.	2011	Neurological assessment. A clinician's guide.	A	Churchill Livingstone
Stokes M.	2010	Neurological physiotherapy		Elsevier Health Sciences London, United Kingdom
Thomson A., Skinner A., Piercy J.	2012	Tidy's Physiotherapy		Butterworth-Heinemann London, United Kingdom
C.Ricketts, J.C.Ricketts	2011	Leadership: personal development and career success		Delmar, Cengage Learning