



# Pomeranian Medical University in Szczecin

## SYLLABUS of the MODULE (SUBJECT) General Information

Module title: PAEDIATRICS	
Module type	Obligatory
Faculty PMU	Faculty of Medicine and Dentistry
Major	Medicine
Level of study	long-cycle (S2J)
Mode of study	full-time studies
Year of studies, semester	Year IV, semester 7, 8
ECTS credits (incl. semester breakdown)	5
Type/s of training	lectures (15h) /seminars (25h)/ practical/ (60h-including 6h stimulation)
Form of assessment*	<input checked="" type="checkbox"/> graded assessment: <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input checked="" type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> <input type="checkbox"/> non-graded assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> final examination <ul style="list-style-type: none"> <li><input type="checkbox"/> descriptive</li> <li><input type="checkbox"/> test</li> <li><input type="checkbox"/> practical</li> <li><input type="checkbox"/> oral</li> </ul> </li> </ul>
Head of the Department/ Clinic, Unit	Prof. dr hab. n. med. Mieczysław Walczak
Tutor responsible for the module	Tomasz Jackowski, PhD MD
Department's/ Clinic's/ Unit's website	<a href="http://www.pum.edu.pl">www.pum.edu.pl</a>
Language	English

\* replace  into  where applicable

## Detailed information

<b>Module objectives</b>		<ol style="list-style-type: none"> <li>1. To review all knowledge gained during previous courses of pediatrics, including the physiology of developmental period</li> <li>2. To acquire the ability of clinical thinking, collecting the history, physical examination of children, making the differential diagnosis, selecting proper diagnostic measures as well as selecting principles of treatment of conditions discussed during the course</li> <li>3. To acquire the ability of selecting proper prophylactic measures related to conditions occurring during the developmental period</li> <li>4. To develop ethical attitude and skills helpful to deal with a sick child, to develop skills for dealing with parents / guardians of a sick child</li> </ol>
Prerequisite /essential requirements	Knowledge	<i>The knowledge accumulated during the first two years of study at the Faculty of Medicine, in particular anatomy, embryology, histology, biochemistry, physiology, introduction to clinical medicine, pathology and pharmacology.</i>
	Skills	<i>The student:</i> <ul style="list-style-type: none"> <li>• Takes history from the child and their family</li> <li>• Performs physical examination on children of every age</li> <li>• Is able to assess the patient's general condition, consciousness</li> <li>• Can assess anthropometric measurements in accordance to percentile charts</li> <li>• Can assess puberty stage</li> <li>• Can perform periodic review examinations</li> <li>• Can perform basic medical procedures</li> </ul>
	Competences	<i>The student:</i> <ul style="list-style-type: none"> <li>• Shows the habit of self-education, understands the need to educate themselves the whole life, can inspire and organise the process of others studying</li> <li>• Cooperates with other members of the team; can cooperate in the team while taking different roles in it</li> <li>• Accepts every person's autonomy</li> <li>• Accepts the need for ethical standards</li> <li>• During performer observations and functional tests, takes care of proper relations between them and the examination's subject</li> <li>• Demonstrates an attitude promoting health and physical activity</li> <li>• Is aware of social and cultural differences influencing the individual interpretation of a person's life situation</li> <li>• Is aware of other people's religious beliefs when it comes to human body</li> <li>• Shows respect for the patients to care for their well-being</li> </ul>

		<ul style="list-style-type: none"> <li>• Is aware of the patients' rights</li> <li>• Can keep doctor-patient confidentiality</li> </ul>
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<b>Description of the learning outcomes for the subject /module</b>			
<b>No. of learning outcome</b>	<b>Student, who has passed the (subject) knows /is able to /can:</b>	<b>SYMBOL (referring the standards)</b>	<b>Method of verification of learning outcomes*</b>
W01	Knows the environmental and epidemiologic conditions of the most common diseases	E.W1	O, W, PM, ET
W02	Knows the rules of nutrition of healthy and sick children (including breastfeeding), vaccinations, childrens' health reviews	E.W2	O, W, PM, ET
W03	<p>knows and understands the causes, symptoms, diagnostics and treatment of most common children's diseases:</p> <ul style="list-style-type: none"> <li>• Rickets, tetany, seizures</li> <li>• Heart defects, myocarditis, endocarditis, pericarditis, cardiomyopathies, arrhythmias, heart failure, hypertension, syncopes</li> <li>• Acute diseases of upper and lower respiratory tract, congenital respiratory tract malformities, tuberculosis</li> <li>• Growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty disorders, gonad dysfunctions</li> <li>• Cerebral palsy, encephalitis, meningitis, epilepsy</li> <li>• Most common infectious diseases of childhood, genetic syndromes</li> </ul>	E.W3	O, W, PM, ET
W04	Knows the topics of: physically and sexually abused child, mental retardation, behaviour disorders, psychoses, addictions, eating disorders in children	E.W4	O, W, PM, ET
W05	Knows the most common life threatening events in children and how to treat them	E.W6	O, W, PM, ET
W06	Knows the biological materials used in laboratory diagnostics and how they are sampled	E.W39	O, W, PM, ET
W07	Knows theoretical and practical basics of laboratory diagnostics	E.W40	O, W, PM, ET
W08	Knows and understands the possibilities and limitations of laboratory studies in urgent cases	E.W41	O, W, PM, ET
U01	Takes history from the child and their family	E.U2	S, O, W, PM
U02	Performs physical examination on children of every age	E.U4	S, O, W, PM
U03	Performs approximate hearing and field of view examinations, othoscope examinations	E.U6	S, O, W, PM
U04	Is able to assess the patient's general condition, consciousness	E.U7	S, O, W, PM
U05	Is able to assess a neonate's state according to Apgar scale and assess their maturity, can check neonatal reflexes	E.U8	S, O, W, PM
U06	Can assess anthropometric measurements in accordance to percentile charts	E.U9	S, O, W, PM
U07	Can assess puberty stage	E.U10	S, O, W, PM
U08	Can perform periodic review examinations	E.U11	S, O, W, PM
U09	Can perform differential diagnostics of most common diseases in children and adults	E.U12	S, O, W, PM

U10	Assesses and describes the patient's somatic and psychological state	E.U13	S, O, W, PM
U11	Can recognise life threatening events	E.U14	S, O, W, PM
U12	Can recognise state under the influence of alcohol or drugs	E.U15	S, O, W, PM
U13	Plans diagnostic, therapeutic and prophylactic measures	E.U16	S, O, W, PM
U14	Analyses adverse effects of certain medicine and interactions between them	E.U17	S, O, W, PM
U15	Suggests individualisation of the guidelines and other treatment methods in case of inefficiency or contraindications of standard therapy	E.U18	S, O, W, PM
U16	Interprets laboratory results and recognizes causes of abnormalities	E.U24	S, O, W, PM
U17	Uses nutrition treatment (including enteral and parenteral nutrition)	E.U25	S, O, W, PM
U18	Plans for post-exposure prophylaxis of blood-transmitted diseases	E.U26	S, O, W, PM
U19	Qualifies patients to vaccinations	E.U27	S, O, W, PM
U20	Takes samples for laboratory diagnostics	E.U28	S, O, W, PM
U21	Performs basic medical procedures, including: <ul style="list-style-type: none"> <li>• Measuring body temperature, heart rate, blood pressure</li> <li>• Monitoring life parameters using a cardiomonitor, pulsoxymeter</li> <li>• Inserting an oropharyngeal tube</li> <li>• Subcutaneous, intramuscular and intravenous injections, cannulation of peripheral veins, sampling peripheral venous blood, sampling arterial blood, sampling arterialisated capillar blood, sampling blood for cultures</li> <li>• Taking swabs from the nose, throat and skin, pleural puncture</li> <li>• Catheterization of the bladder in boys and girls, probing the stomach, gastric lavage, enema,</li> <li>• Standard ECG along with interpretation</li> <li>• Simple strip tests and blood glucose measurement</li> </ul>	E.U29	S, O, W, PM
U22	Assists in performing medical procedures: <ul style="list-style-type: none"> <li>• Blood and blood products transfusions</li> <li>• Pleural drainage</li> <li>• Pericardial puncture</li> <li>• Perineal puncture</li> <li>• Lumbar puncture</li> <li>• Fine needle biopsy</li> <li>• Epidermal tests,</li> <li>• Intradermal and scarrificaton test,</li> </ul> And interprets their results.	E.U30	S, O, W, PM
U23	Plans specialist consultations	E.U32	S, O, W, PM
U24	Performs basic treatment in acute poisoning	E.U33	S, O, W, PM
K01	Keeps profound and respectful contact with the patient, shows understanding of cultural differences	K.1	S,O
K02	Is motivated by the patient's well-beind	K.2	S,O
K03	Keeps doctor-patient confidentiality	K.3	S,O
K04	Acts according to ethical norms, with awareness of social standards and limitations caused by the disease	K.4	S,O
K05	Is aware of their own limitations and sees the need to self-assess the deficits and educational needs	K.5	S,O

K06	Demonstrates an attitude promoting health and physical activity	K.6	S,O
K07	Uses objective sources of information	K.7	S,O
K08	Formulates conclusions based on own observations	K.8	S,O
K09	Can work as a part of the team of experts in a professional environment, including other medical professions from different cultural backgrounds, different nationalities	K.9	S,O
K10	Formulates opinions concerning different aspects of professional work	K.10	S,O
K11	Takes responsibility for their decisions made in professional environment, including safety of themselves and other people	K.11	S,O

Table presenting LEARNING OUTCOMES in relation to the form of classes

No. of learning outcome	Learning outcomes	Type of training						
		Lecture	Seminar	Practical	Clinical classes	Simulations	E-learning	Other...
W01	E.W1	X	X		X	X		
W02	E.W2	X	X		X	X		
W03	E.W3	X	X		X	X		
W04	E.W4	X	X		X	X		
W05	E.W6	X	X		X	X		
W06	E.W39	X	X		X	X		
W07	E.W40	X	X		X	X		
W08	E.W41	X	X		X	X		
U01	E.U2		X		X	X		
U02	E.U4		X		X	X		
U03	E.U6		X		X	X		
U04	E.U7		X		X	X		
U05	E.U8		X		X	X		
U06	E.U9		X		X	X		
U07	E.U10		X		X	X		
U08	E.U11		X		X	X		
U09	E.U12		X		X	X		
U10	E.U13		X		X	X		
U11	E.U14		X		X	X		
U12	E.U15		X		X	X		
U13	E.U16		X		X	X		
U14	E.U17		X		X	X		
U15	E.U18		X		X	X		
U16	E.U24		X		X	X		
U17	E.U25		X		X	X		
U18	E.U26		X		X	X		
U19	E.U27		X		X	X		
U20	E.U28		X		X	X		
U21	E.U29		X		X	X		
U22	E.U30		X		X	X		
U23	E.U32		X		X	X		
U24	E.U33		X		X	X		

K01	K.1		X		X			
K02	K.2		X		X			
K03	K.3		X		X			
K04	K.4		X		X	X		
K05	K.5		X		X	X		
K06	K.6		X		X			
K07	K.7		X		X			
K08	K.8		X		X	X		
K09	K.9		X		X	X		
K10	K.10		X		X			
K11	K.11		X		X			

<b>Table presenting TEACHING PROGRAMME</b>			
<b>No. of a teaching programme</b>	<b>Teaching programme</b>	<b>No. of hours</b>	<b>References to learning outcomes</b>
<b>Winter semester</b>			
<b>Lectures (e-learning) 15h</b>			
TK01	Seizures	1	W01, W03, W05, W06, W07, W08
TK02	Epilepsy	1	W01, W03, W05, W06, W07, W08
TK03	Cerebral palsy	1	W01, W03, W06, W07
TK04	Congenital central nervous system defects	1	W01, W03, W05, W06, W07, W08
TK05	Cardiomiopathies	1	W01, W03, W05, W06, W07, W08
TK06	Inflammatory circulatory system diseases	1	W01, W03, W05, W06, W07, W08
TK07	Congenital heart defects	2	W01, W03, W05, W06, W07, W08
TK08	Circulatory failure	1	W01, W03, W05, W06, W07, W08
TK09	Arrythmias	1	W01, W03, W05, W06, W07, W08
TK10	Acute respiratory tract diseases	2	W01, W03, W05, W06, W07, W08
TK11	Chronic respiratory tract diseases	1	W01, W03, W06, W07
TK12	Sudden infant death syndrome	1	W01, W03, W06, W07
TK13	Calcium/phosphate disorders	1	W01, W03, W05, W06, W07, W08
<b>Seminars 25h</b>			
TK01	Inborn errors of metabolism	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U23
TK02	Phenylketonuria – patophysiology, diagnosis, treatment	1	W01, W02, W03, W06, W07, U09, U13, U16, U23
TK03	Phenylketonuria – dietary treatment. Maternal phenylketonuria.	1	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23
TK04	Type 1 diabetes mellitus	2	W01, W02, W03, W05, W06, W07, W08, U09, U11, U13, U16, U17, U23
TK05	Type 2 diabetes mellitus; other types of DM	1	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23
TK06	Obesity and its complications	1	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23

TK07	Thyroid disorders	1	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK08	Adrenal disorders	1	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK09	Puberty disorders	1	W01, W03, W06, W07, U09, U13, U16, U23
TK10	Congenital adrenal hyperplasia	1	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK11	Nutrition in children	1	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23
TK12	Growth disorders. Principles of rhGH and rh-IGF-1 therapy.	1,5	W01, W03, W06, W07, U09, U13, U16, U23
TK13	Intrauterine hypertrophy. Long term consequences of prematurity.	1,5	W01, W03, W06, W07, U09, U13, U16, U23
TK14	Eating disorders in children.	2	W01, W02, W03, W04, W06, W07, U09, U13, U16, U23
TK15	Infectious diseases	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK16	Meningitis.	1	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK17	Invasive meningococcal disease. Sepsis.	1	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK18	Long-term consequences of neonatal and intrauterine infections.	1,5	W01, W03, W06, W07, U09, U13, U16, U23
TK19	Neonatal jaundice	1,5	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
<b>Practical classes 54h</b>			
TK01	Child with carbohydrate metabolism disorders (diabetes, hypoglycemia)	3	U01, U02, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK02	Child with incorrect body weight – insufficient weight, obesity. Nutritional treatment.	3	U01, U02, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK03	Growth disorders – short stature, tall stature (including genetic disorders)	3	U01, U02, U03, U04, U06, U07, U08, U09, U10, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK04	Puberty disorders – precocious and delayed puberty, including genetic disorders. Disorders of sexual development.	3	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK05	Thyroid disorders – hypo- and hyperthyroidism. Autoimmune polyendocrine syndromes.	2	U01, U02, U03, U04, U05, U06, U07, U09,

			U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK06	Adrenal disorders – adrenal insufficiency, Cushing syndrome. Child with hyperandrogenism. Congenital adrenal hyperplasia.	3	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK07	Calcium/phosphate disorders. Bone disorders (osteoporosis, osteogenesis imperfecta, rickets).	2	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK08	Child with suspected inborn error of metabolism from neonatal period to adolescence – diagnosis and therapy. Neonatal screening.	4	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U15, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK09	Child with respiratory tract infection. Congenital respiratory tract defects.	4	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK10	Infant with incorrect psychomotor development.	4	U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K11
TK11	Child with seizures – diagnosis and treatment.	3	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK12	Headaches in children – diagnosis and treatment.	2	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK13	Child with syncope and chest pain – diagnosis and treatment.	4	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK14	Child with heart murmur. Congenital heart defects.	4	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK15	Child with arrhythmia.	2	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK16	Most common infectious diseases of childhood.	6	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11
TK17	Child with neuroinfection.	2	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K11

<b>Simulation 6h</b>			
TK18	Symulacje wysokiej wierność z wykorzystaniem scenariuszy przedstawiających najczęstsze stany ostre występujących w wieku dziecięcym	3	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U20, U21, U22, U23, K.4, K.5, K.8, K.9
TK19	Symulacje niskiej wierności pozwalające opanować podstawowe umiejętności w zakresie pediatrii	3	U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U20, U21, U22, U23, K.4, K.5, K.8, K.9
<b>E-learning</b>			
<b>Summer semester</b>			
<b>Lectures</b>			
<b>Seminars 25h</b>			
TK01	<i>Respiratory tract infections</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U23
TK02	<i>Diagnosis of short stature. Obesity in children and adolescence</i>	2	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23
TK03	<i>Clinical approach to inborn errors of metabolism (IEM)</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U23
TK04	<i>Hypoglycemia. Intrauterine growth restriction (IUGR)</i>	2	W01, W03, W06, W07, U09, U13, U16, U23
TK05	<i>Cushing disease and Cushing syndrome. Thyroid diseases in children.</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK06	<i>Phenylketonuria and other IEM. Maternal phenylketonuria</i>	2	W01, W02, W03, W05, W06, W07, U09, U13, U16, U17, U23
TK07	<i>Diabetes mellitus type 1</i>	2	W01, W02, W03, W05, W06, W07, W08, U09, U11, U13, U16, U17, U23
TK08	<i>Diabetes mellitus type 2</i>	2	W01, W02, W03, W06, W07, U09, U13, U16, U17, U23
TK09	<i>Anorexia. Eating disorders.</i>	2	W01, W02, W03, W04, W06, W07, U09, U13, U16, U23
TK10	<i>Infectious diseases of childhood Vaccinations</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK11	<i>Meningitis</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK12	<i>Congenital heart diseases</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U15, U16, U19, U23
TK13	<i>Congenital adrenal hyperplasia.</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK14	<i>Neonatal infections</i>	2	W01, W03, W06, W07, U09, U13, U16, U23

TK15	<i>Normal puberty in children (physiology of puberty). Delayed puberty. Central and peripheral precocious puberty. Possibilities of treatment of central precocious puberty (agonist of GnRH)</i>	2	W01, W03, W06, W07, U09, U13, U16, U23
TK16	<i>Calcium, Magnesium and Phosphate Disorders</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U23
TK17	<i>Development of CNS and children's neurological assessment. Cerebral palsy in infancy. Convulsions in newborns, infants and young children Children's epilepsy</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U15, U16, U19 U23, U24
TK18	<i>Hyperbilirubinemia in infants</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U14, U16, U23
TK19	<i>Arrhythmias Cardiomyopathies Viral and nonviral myocarditis</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U19, U23
TK20	<i>The estimation of cardiac failure in children Resuscitation in pediatric cardiology Sudden Infant Death Syndrome (SIDS)</i>	2	W01, W03, W05, W06, W07, W08, U09, U11, U13, U16, U23
<b>Practical classes 54h</b>			
TK01	Child with glucose metabolism disorders.	3	W01, W02, W03, W05, W06, W07, W08, U01, U02, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK02	Child with insufficient body weight (including anorexia). Nutritional treatment.	3	W01, W02, W03, W04, W05, W06, W07, W08, U01, U02, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK03	Growth disorders – short stature, tall stature, genetic syndromes.	3	W01, W02, W03, W04, W06, W07, U01, U02, U03, U04, U06, U07, U08, U09, U10, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK04	Puberty disorders – precocious puberty, delayed puberty, genetic syndromes. Sex differentiation disorders.	3	W01, W02, W03, W04, W06, W07, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK05	Thyroid function disorders – hypo- and hyperthyroidism. Autoimmune polyglandular syndromes.	2	W01, W03, W04, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16,

			U17, U19, U20, U21, U22, U23, K01-K20
TK06	Adrenal function disorders – adrenal insufficiency, Cushing syndrome. Androgenization in children. Congenital adrenal hyperplasia.	3	W01, W02, W03, W04, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK07	Calcium-phosphate metabolism disorders, bone structure disorders (osteoporosis, osteogenesis imperfecta, rickets).	2	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK08	Children with suspected inborn error of metabolism from neonatal period until adolescence – diagnostic and therapeutic measures. Neonatal screening.	4	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U15, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK09	Children with respiratory tract infections and inborn respiratory tract malformities.	4	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK10	Infants with incorrect psychokinetic development – diagnostic and therapeutic measures.	4	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U13, U14, U16, U17, U19, U20, U21, U22, U23, K01-K20
TK11	Children with seizures - diagnostic and therapeutic measures.	3	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK12	Children with headaches - diagnostic and therapeutic measures.	2	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK13	Children with syncopes - diagnostic and therapeutic measures.	4	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK14	Children with heart murmurs. Congenital heart diseases.	4	W01, W02, W03, W05, W06, W07, W08, U01,

			U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK15	Children with arrhythmias.	2	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U12, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK16	Most common infectious diseases of childhood.	6	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20
TK17	Central nervous system infections in children.	2	W01, W02, W03, W05, W06, W07, W08, U01, U02, U03, U04, U05, U06, U07, U09, U10, U11, U13, U14, U16, U19, U20, U21, U22, U23, K01-K20

### Simulation 6h


### Booklist

Obligatory literature:

**1. K.J. Marcdante, R.M. Kliegman, Nelson Essentials of Pediatrics. 8<sup>th</sup> edition; Elsevier 2018**

**2. Tom Lissauer, Graham Clayden. Illustrated Textbook of Paediatrics, 5th Edition. Elsevier 2017.**

**3. C. G. D. Brook, R. S. Brown, Handbook of Clinical Pediatric Endocrinology, Wiley 2012**

Supplementary literature:

1. Educational platform Access Pediatrics  
<http://accesspediatrics.mhmedical.com/index.aspx>

2.

Student's workload	
Form of student's activity (in-class participation; activeness, produce a report, etc.)	Student's workload [h]
	Tutor
Contact hours with the tutor	100
Time spent on preparation to seminars/ practical classess	16
Time spent on reading recommended literature	8

Time spent on writing report/making project	2
Time spent on preparing to colloquium/ entry test	4
Time spent on preparing to exam	20
Other .....	
Student's workload in total	150
<b>ECTS credits for the subject (in total)</b>	<b>5</b>
<b>Remarks</b>	

\* Selected examples of methods of assessment:

EP – written examination

EU – oral examination

ET – test examination

EPR – practical examination

K – colloquium

R – report

S – practical skills assessment

RZC – practical classes report, incl. discussion on results

O – student's active participation and attitude assessment

SL – lab report

SP – case study

PS - assessment of student's ability to work independently

W – entry test

PM – multimedial presentation

other...