



Syllabus for academic year: 2021/2022													
Training cycle: 2017/2018-2022/2023													
Description of the course													
Course	FAMILY MEDICINE (1)								Group of detailed education results				
	Group code	E		Group name NON-INTERVENTIONAL CLINICAL SCIENCES									
Faculty	Faculty of Medicine												
Major	medicine												
Level of studies	<input checked="" type="checkbox"/> uniform magister studies <input type="checkbox"/> 1 st degree studies <input type="checkbox"/> 2 nd degree studies <input type="checkbox"/> 3 rd degree studies <input type="checkbox"/> postgraduate studies												
Form of studies	<input checked="" type="checkbox"/> full-time <input type="checkbox"/> part-time												
Year of studies	V						Semester:	<input checked="" type="checkbox"/> winter <input checked="" type="checkbox"/> summer					
Type of course	<input checked="" type="checkbox"/> obligatory <input type="checkbox"/> limited choice <input type="checkbox"/> free choice / optional												
Language of study	<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English												
Number of hours													
Form of education													
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Directed Classes with Patient (DCP)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self Study (DSS)	E-learning (EL)
Winter semester: 20 h													
DEPARTMENT OF FAMILY MEDICINE													
Direct (contact) education ¹					15								
Distance learning ²	5												
Summer semester: 45 h													
DEPARTMENT OF FAMILY MEDICINE													
Direct (contact) education		15			10		15						

¹ Education conducted with direct participation of university teachers or other academics

² Education with applied methods and techniques for distance learning



Distance learning	5													
TOTAL per year: 65h														
DEPARTMENT OF FAMILY MEDICINE														
Direct (contact) education	15		25			15								
Distance learning	10													
Educational objectives (max. 6 items)														
<p>C1. Getting acquainted with the specificity of the work of a family doctor and primary health care</p> <p>C2. Shaping competences related to the process of creating and managing a family doctor's practice.</p> <p>C3. Developing competences in the field of psychology, sociology and communication of a primary care physician with the patient and his family</p> <p>C4. Developing competences in the field of specific pediatric problems, adult age, and problems related to the family and the environment occurring in primary health care</p> <p>C5 Developing competences in the field of key geriatric problems: dementia, depression, urinary incontinence, bedsores occurring in primary healthcare</p> <p>C6. Development social competences needed to practice the medical profession, in accordance with graduate's profile.</p>														
Education result for course in relation to verification methods of the intended education result and the type of class:														
Number of detailed education result	Student who completes the course knows/is able to					Methods of verification of intended education results	Form of didactic class <i>*enter the abbreviation</i>							
D.W5	the principles and methods of communication with the patient and his/her family to build an empathic, trusting relationship;					Oral response/ elaboration of an essay	L, SE							
E.W2	the principles of nutrition for healthy and sick children, including natural feeding, immunisation and keeping a child's health record;					Oral response/ elaboration of an essay	SE, CC							
E.W3	<p>the causes, symptoms, principles of diagnosis and therapeutic management of the diseases that are most frequent in children:</p> <ol style="list-style-type: none"> rickets, tetany, convulsions, heart defects, myocarditis, endocarditis and pericarditis, cardiomyopathy, cardiac arrhythmias, heart failure, hypertension, vaso-vagal episodes, acute and chronic diseases of the upper and lower respiratory tract, congenital malformations of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema, anaemias, haemorrhagic diathesis, bone marrow failure, childhood cancers, including solid tumours typical of childhood, acute and chronic abdominal pain, vomiting, diarrhoea, constipation, gastrointestinal bleeding, peptic ulcer disease, inflammatory bowel diseases, pancreatic diseases, cholestasis and liver diseases and other acquired diseases and congenital defects of the gastrointestinal tract, 					Oral response/ elaboration of an essay	L, SE, CC							



	<p>6. urinary tract infections, congenital defects of the urinary tract, nephrotic syndrome, kidney stones, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urinary disorders, vesicoureteral reflux disease,</p> <p>7. growth disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, puberty and gonadal function disorders,</p> <p>8. cerebral palsy, encephalitis and meningitis, epilepsy,</p> <p>9. the most common childhood infectious diseases,</p> <p>10. genetic syndromes,</p> <p>11. connective tissue diseases, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis;</p>		
E.W4	<p>the issues of abused children including sexual abuse, mental retardation and behavioural disorders - psychoses, addictions, eating and excretion disorders in children;</p>	<p>Oral response/ elaboration of an essay</p>	<p>SE, CC</p>
E.W7	<p>the causes, symptoms, principles of diagnosis and therapeutic management of the most common internal diseases affecting adults and their complications:</p> <ol style="list-style-type: none"> 1. cardiovascular diseases, including ischaemic heart disease, heart defects, diseases of the endocardium, heart muscle, pericardium, heart failure (acute and chronic), arterial and venous vascular diseases, hypertension - primary and secondary, pulmonary hypertension, 2. diseases of the respiratory system, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchial dilatation, cystic fibrosis, respiratory infections, interstitial lung diseases, pleural diseases, mediastinal diseases, obstructive and central sleep apnoea, respiratory failure (acute and chronic), respiratory cancers, 3. diseases of the digestive system, including diseases of the oral cavity, oesophagus, stomach and duodenum, intestines, pancreas, liver, bile ducts and gallbladder, 4. endocrine diseases, including hypothalamus and pituitary, thyroid, parathyroid gland, cortex of the adrenal gland and suprarenal medulla, ovarian and testicular diseases and neuroendocrine tumours, polyglandular syndromes, different types of diabetes mellitus and metabolic syndrome - hypoglycaemia, obesity, dyslipidaemia, 5. kidney and urinary tract diseases, including acute and chronic renal failure, glomerular and interstitial kidney diseases, renal cysts, kidney stones, urinary tract infections, and urinary tract tumours, in particular of the bladder and kidney, 6. haematopoietic diseases including bone marrow aplasia, anaemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukaemias, myeloproliferative neoplasms and myelodysplastic/myeloproliferative neoplasms, myelodysplastic syndromes, mature B and T cell neoplasms, haemorrhagic diathesis, thrombophilia, life-threatening conditions in haematology, blood 	<p>Oral response/ elaboration of an essay</p>	<p>L, SE,CC</p>



	<p>disorders in diseases of other organs</p> <p>7. rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, arthritis with spinal involvement, metabolic bone diseases, in particular osteoporosis and osteoarthritis, gout,</p> <p>8. allergic diseases, including anaphylaxis and anaphylactic shock, and angioedema,</p> <p>9. water-electrolyte and acid-base disorders: states of dehydration, states of overhydration, electrolyte disturbances, acidosis and alkalosis</p>		
E.W8	the course and manifestations of the ageing process and the principles of holistic geriatric assessment and interdisciplinary care in relation to the elderly patient;	Oral response/ elaboration of an essay	SE
E.W12	the basic principles of organizing care for the elderly and the responsibilities of a caregiver for the elderly person;	Oral response/ elaboration of an essay	SE, CK
E.W30	the concept of disability and invalidity;	Oral response/ elaboration of an essay	SE
E.W38	the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases and specific problems in the practice of the family doctor;	Oral response/ elaboration of an essay	L,SE, CC
D.U5	interview an adult patient, a child and a family using active listening techniques and expressing empathy, and talk to the patient about their life situation;	Observation of the performed activity	CC, CSC
E.U1	conduct anamnesis with an adult patient;	Observation of the performed activity	CC
E.U2	carry out a medical interview with a child and its family;	Observation of the performed activity	CC
E.U3	conduct a complete and focused physical examination of an adult patient;	Observation of the performed activity	CC
E.U4	conduct a physical examination on a child of any age;	Observation of the performed activity	CC
E.U6	conduct an orientation hearing and visual field examination as well as an otoscopic examination;	Observation of the performed activity	CC,CSC
E.U10	assess the stage of sexual maturation;	Observation of the performed activity	CC
E.U11	conduct a balance study;	Observation of the performed activity	CC
E.U12	perform differential diagnosis of the most common diseases of adults and children;	Observation of the performed activity	CC
E.U16	plan diagnostic, therapeutic and preventive procedures;	Observation of the performed activity	CC
E.U20	qualify the patient for home and hospital treatment;	Observation of the performed activity	CC



E.U24	interpret laboratory test results and identify causes of deviations from the norm;	Observation of the performed activity	CC
E.U27	qualify the patient for vaccination;	Observation of the performed activity	CC
E.U29	perform basic medical procedures and treatments including: <ol style="list-style-type: none"> 1. measurement of body temperature (surface and deep), heart rate measurement, non-invasive blood pressure measurement, 2. monitoring of vital signs with a cardiomonitor, pulse oximetry, 3. spirometric examination, oxygen treatment, support and mechanical ventilation, 4. inserting an oropharyngeal tube, 5. intravenous, intramuscular and subcutaneous injections, peripheral venous cannulation, collection of peripheral venous blood, collection of blood for culture, collection of arterial blood, collection of arterialised capillary blood, 6. taking nasal, throat and skin swabs, 7. bladder catheterisation in women and men, gastric probing, gastric lavage, enema, 8. standard resting electrocardiogram with interpretation, electrical cardioversion and cardiac defibrillation, 9. simple strip tests and blood glucose measurement 		CSC, CC
E.U38	maintain patient medical records	Observation of the performed activity	CC
G.U6	prepare medical certificates for patients, their families and other parties;	Observation of the performed activity	CC
G.U7	recognise, when examining a child, behaviours and symptoms that indicate the possibility that violence against the child may have occurred;	Observation of the performed activity	CC

* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload
1. Number of hours of direct contact:	55
2. Number of hours of distance learning:	10
3. Number of hours of student's own work:	24,5
4. Number of hours of directed self-study	n/a
Total student's workload	89,5
ECTS points for course	3

Content of classes: (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures (10h)



Winter semester (5h):

1. Maria Bujnowska-Fedak: Introduction to primary care/family medicine. Principles and practice of family medicine. The role and the function of the primary care team (2h)
2. Donata Kurpas: Core competencies of the general practitioner/family doctor (2h)
3. Maria Bujnowska-Fedak: Financing aspects of functioning of family medicine practices (1h)

Summer semester (5):

1. Maria Bujnowska-Fedak: The most common symptoms and signs seen by primary care physicians. Epidemiology of problems presented by patients in primary care (2h)
2. Maria Bujnowska-Fedak: Effective doctor-patient communication based on empathy and active listening (2h)
3. Donata Kurpas: Family medicine in the world. National and international GP/FM organizations, societies etc. (2h)

Seminars (15 h): summer semester

1. Maria Bujnowska-Fedak: Developing and running the family practice (1h)
2. Maria Bujnowska-Fedak: Specific adult problems: chronic diseases, aging, urinary incontinence (3h)
3. Donata Kurpas: Outpatient care and homecare in patients with chronic diseases. Palliative care (2h)
4. Donata Kurpas: Family in health and disease (family life cycle, conflicts, bereavement) (1h)
5. Ula Grata-Borkowska: Specific pediatric problems: ADHD (attention deficit hyperactivity disorder), autism, Asperger syndrome (2h)
6. Ula Grata-Borkowska: Management of chronic wounds: ulcers, bedsores, diabetic foot (2h)
7. Bartosz Sapolak: Introduction to skills laboratory: basic life support and first aid (1h)
8. Maria Bujnowska-Fedak: Introduction to skills laboratory: otorhinolaryngology (1h)
9. Ula Grata-Borkowska: Introduction to skills laboratory: ophthalmology (1h)
10. Andrzej Staniszewski/Ula Grata-Borkowska: Introduction to skills laboratory: surgery (1h)

Classes in simulated conditions: skills laboratories 1-3 (3 days x 5h = 15hrs): summer semester

1. First aid laboratory: ALS, intubation of children and adults, venous cannulation, defibrillation
2. ENT laboratory: otoscopy, ear irrigation, removal of a foreign body from the ear, first aid in nosebleeds, anterior nasal packing
3. Ophthalmic laboratory: removing a foreign body from the eye - first aid, eyelid eversion, fundus eye examination
4. Surgical / gynecological laboratory: suturing wounds, local and infiltration anesthesia, prostate examination, urinary bladder catheterization in women and men, breast examination, cytological smears
5. Communication laboratory: patient-centered clinical method, holistic approach, active listening, verbal and non-verbal communication

Clinical classes: 1-5: winter and summer semester

Family practice attachment (5x5h= 25hrs)

1. The organization and functioning of general practice - tasks of primary health care and cooperation with other parts of the health care system.
2. Diagnosis and therapy of the most common acute illnesses in children and adults in the family doctor's office.



3. Diagnosis and therapy of the most common chronic diseases in children and adults in the family doctor's office
4. Implementation of the principles of non-pharmacological and pharmacological treatment – coping with polypragmasy
5. Learning to perform minor procedures in the family physician office, as e.g. water ear irrigation, changing dressing
6. Care upon the elderly in primary care
7. Balance examinations and qualification for vaccination
8. Care upon bedridden patient, making home visits
9. Determining the indications for diagnostic tests and referrals to specialist care - outpatient or hospital.
10. Keeping medical records, issuing referrals and prescriptions, health certifications

Other

Basic literature (list according to importance, no more than 3 items)

1. Robert E. Rakel, David P. Rakel: *Textbook of Family Medicine*. 9th edition. Wyd. Elsevier Saunders 2016, ISBN: 978-0-323- 23990-5
2. Ian R. McWhinney, Thomas Freeman: *Textbook of Family Medicine*. 4th edition. Wyd. Oxford University Press 2016
3. Steciwko A.(ed.): *Practical skills for primary care physicians: Academia Medica Wratislaviensis*, Wrocław 2011

Additional literature and other materials (no more than 3 items)

1. Richard P. Ustine et al.: *The Color Atlas of Family Medicine*. Mc Graw Hill Medical 2019, third edition
2. Thomas J. Zuber, E.J. Mayeaux JR: *Atlas of primary care procedures*. Lippincott Williams&Wilkins 2004
3. Mindy A. Smith, Sarina Schragger, Vince WinklerPrins: *Essentials of Family Medicine*, 7th edition, Wolters Kluwer 2019

Preliminary conditions: (minimum requirements to be met by the student before starting the course)

A student admitted to classes by the Dean's Office is to demonstrate basic theoretical knowledge covering the issues in the subject of family medicine.

In the event of a change of classes with a different group, the student is required to report this fact to the assistant professor for didactics and obtain consent to participate in the classes.

Conditions to receive credit for the course: (specify the form and conditions of receiving credit for classes included in the course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

The condition for obtaining the course of the subject family medicine in the winter semester is to elaborate in the form of a short essay guidelines for dealing with primary health care for at least one selected clinical problem and obtaining confirmation of classes by teachers conducting classes and family doctors in the family practices what is registered in the Individual Student Card of Family Medicine. Every student receives such a card at the beginning of the class. In the summer semester, at the end of classes in phantom



laboratories, the student is required to demonstrate the necessary practical skills required in each of the phantom labs. Credit in the form of a test of practical skills is on the grade.

Each absence from classes must be resolved. The form of doing the classes should be agreed in advance with the person responsible for the subject (the recommended form is a presentation or essay prepared by the student as part of self-education).

Test of practical skills (TPS)	Demonstration of practical skills acquired during classes in phantom laboratories (first aid, surgical/gynaecological, ENT, ophthalmological, doctor-patient communication). Positive assessment of the practical test is a condition for passing the summer semester.
Grade:	Criteria for courses ending with a grade ³
Very Good (5.0)	TPS - procedure is made in a very good way, totally alone, confirming the practical ability to apply the treatment on the phantom in compliance with all components of the procedure and taking into account the correct sequence of actions and the consequences after its execution for the patient
Good Above (4.5)	TPS - procedure is performed in a way confirming the practical ability to apply the intervention on the phantom in accordance with all components of the procedure
Good (4.0)	TPS – procedure is performed in a good way confirming the practical ability to apply the intervention on the phantom
Satisfactory Plus (3.5)	TPS – performs the procedure with minor failures, with at least a sufficient end result
Satisfactory (3.0)	TPS – understands the nature of the procedure, attempts to implement it with sufficient end result
	Criteria for courses ending with a credit ³
Credit	Not applicable

Grade:	Criteria for exam ³ Not applicable
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Department in charge of the course:	DEPARTMENT OF FAMILY MEDICINE
Department address:	51-141 WROCLAW, SYROKOMLI 1
Telephone:	71 3266876, 71 3255157, 71 3255126
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Person in charge for the course:	Dr hab.n.med. Maria Magdalena Bujnowska-Fedak
Telephone:	71 3266876, +48 606103050
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List of persons conducting specific classes:

Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
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³ The verification must cover all education results, which are realized in all form of classes within the course



Maria Bujnowska-Fedak	M.D., PhD, assistant professor	Medical science	Family physician	Lectures, seminars, classes
Donata Kurpas	M.D., PhD, professor	Medical science	Family physician	Lectures, seminars, classes
Bartosz Sapilak	M.D., PhD	Medical science	Family physician	Seminar, classes
Urszula Grata-Borkowska	M.D., PhD	Medical science	Family physician	Seminar, classes
Andrzej Staniszewski	M.D., PhD	Medical science	Family physician, surgeon	Classes
Łukasz Wysoczański	M.D.	Medical science	Resident in family medicine	Seminar, classes
Joanna Waligóra	M.D.	Medical science	Resident in family medicine	Classes
Monika Majewska	M.D.	Medical science	Family physician	Classes
Ewa Krawiecka-Jaworska	M.D.	Medical science	Family physician	Classes
Mariusz Domański	M.D., PhD	Medical science	Family physician, surgeon	Classes
Paulina Wysoczańska	M.D.	Medical science	Resident in family medicine	Classes
Mateusz Sobieski	M.D.	Medical science	Resident in family medicine	Classes

Date of Syllabus development

28.06.2021 y.

Syllabus developed by

Maria Magdalena Bujnowska-Fedak, M. D,
Maria Magdalena Bujnowska-Fedak, M.D, PhD

Dean's signature

Wroclaw Medical University
Faculty of Medicine
Vice Dean for English Studies

prof. Beata Sobieszczanska, PhD

Signature of Head(s) of teaching unit(s)

Wroclaw Medical University
KATEDRA MEDYCYNY RODZINNEJ
Kierownik

dr hab. n. med. Agnieszka Mastalerz-Migas