

Family Medicine

Educational subject description sheet

Basic information

Department Faculty of Medicine Field of study Medical Program Study level long-cycle master's degree program Study form full-time Education profile general academic Disciplines Medical science Subject related to scientific research Yes		Didactic cycle 2016/17 Realization year 2019/20, 2021/22 Lecture languages English Block obligatory for passing in the course of studies Mandatory obligatory Examination examination Standard group E. Clinical non-procedural medical disciplines
Subject coordinator	Adam Windak, Katarzyna Nessler	
Lecturer	Adam Windak, Elżbieta Kryj-Radziszewska, Tomasz Tomasik, Marek Oleszczyk, Grzegorz Margas, Katarzyna Nessler, Krzysztof Studziński, Janusz Krzysztoń	

Periods Semester 7, Semester 8	Examination credit Activities and hours clinical classes: 55	Number of ECTS points 3.0
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Periods Semester 11, Semester 12	Examination examination Activities and hours clinical classes: 60	Number of ECTS points 4.0
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Goals

G1	introduction to principles of family medicine.
G2	introduction to patient-centered model of care
G3	explaining the role of family as a potential source of illness and natural support group
G4	explanation of environmental and epidemiological conditions of most common diseases in family practice
G5	emphasizing importance of health promotion and disease prevention in family practice including primary, secondary and tertiary prevention
G6	presentation of role of family doctor in health care system and principles of cooperation with medical and non-medical institutions in patient/family health care
G7	introduction to principles of monitoring and improvement of quality of care in family practice
G8	teaching of practical skills in family medicine
G9	systematisation of acquired knowledge
G10	preparation of students for independent work

Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	symptoms and course of diseases	O.W2	classroom observation, clinical case presentation
W2	methods of diagnostic and therapeutic procedures appropriate for specific disease states	O.W3	booklet of practical skills, classroom observation, clinical case presentation
W3	ethical, social and legal conditions for practicing the medical profession and the principles of health promotion, based on scientific evidence and accepted standards	O.W4	clinical case presentation
W4	environmental and epidemiological determinants of the most frequent diseases	E.W1	clinical case presentation
W5	the principles of nutrition of healthy and sick children, including breastfeeding, preventive vaccination and child health monitoring	E.W2	booklet of practical skills, classroom observation, clinical case presentation

W6	the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases of children: (1) rickets, tetanus, convulsions, (2) heart defects, myocarditis, endocarditis, pericarditis, cardiomyopathy, arrhythmia, heart failure, hypertension, syncope, (3) acute and chronic diseases of the upper and lower airways, congenital defects of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema, (4) anemia, hemorrhagic diatheses, conditions of bone marrow failure, pediatric neoplastic diseases, including solid tumors typical of childhood, (5) acute and chronic abdominal pain, vomiting, diarrhea, constipation, gastrointestinal bleeding, peptic ulcer disease, non-specific intestinal diseases, pancreatic diseases, cholestasis and liver diseases, and other acquired diseases and congenital defects of the digestive tract, (6) urinary tract infections, congenital anomalies of the urinary system, nephrotic syndrome, renal stones, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urinary tract disorders, vesicoureteral reflux disease, (7) growing disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, disorders of puberty and gonadal functions, (8) cerebral palsy, encephalomyelitis, meningitis, epilepsy, (9) the most common infectious diseases of childhood, (10) genetic syndromes, (11) diseases of connective tissue, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis	E.W3	booklet of practical skills, classroom observation, clinical case presentation
W7	issues of abused child and sexual abuse, mental retardation and behavioral disorders – psychoses, addictions, eating disorders and excretion in children	E.W4	classroom observation

W8	the causes, symptoms, principles of diagnosis and therapeutic management of the most common internal diseases and their complications in adults: 1) cardiovascular diseases, including ischemic heart disease, heart defects, endocarditis, myocardial infarction, pericardial infarction, heart failure (acute and chronic), diseases of arteries and venous vessels, arterial hypertension - primary and secondary, pulmonary hypertension, 2) respiratory system diseases, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchial dilatation, cystic fibrosis, respiratory infections, interstitial diseases of the lungs, pleura, mediastinum, obstructive and central sleep apnea, respiratory failure (acute and chronic), respiratory tumors, 3) diseases of the digestive system, including diseases of the mouth, esophagus, stomach and duodenum, intestines, pancreas, liver, bile ducts and gallbladder, 4) diseases of the internal secretion system, including diseases of the hypothalamus and pituitary gland, thyroidism, parathyroidism, adrenal cortex and medulla, ovaries and testicles, and neuroendocrine tumors, polyglandular syndromes, various types of diabetes and metabolic syndrome – hypoglycaemia, obesity, dyslipidemia, 5) diseases of the kidneys and the urinary tract, including acute and chronic renal failure, glomerulonephritis and interstitial kidney diseases, kidney cysts, kidney stones, urinary tract infections, urinary tract neoplasms, in particular of bladder and kidney neoplasms, 6) hematopoietic diseases, including bone marrow aplasia, anemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukemia, myeloproliferative and myelodysplastic-myeloproliferative tumours, myelodysplastic syndromes, mature B and T lymphocytes tumors, bleeding diatheses, thrombophilia, life-threatening conditions in hematology, blood disorders in other organ diseases, 7) rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, joint inflammations involving spinal cord, metabolic bone diseases, osteoporosis and osteoarthritis in particular, gout, 8) allergic diseases, including anaphylaxis and anaphylactic shock and angioedema, 9) water-electrolyte and acid-base disorders: dehydration conditions, overhydration conditions, electrolyte, acidic and alkaline disorders	E.W7	booklet of practical skills, classroom observation, clinical case presentation
W9	the causes and basic differences in the most common diseases in the elderly and the principles of management in basic geriatric syndromes	E.W9	classroom observation, clinical case presentation
W10	course and symptoms of the aging process and the principles of the overall geriatric assessment and interdisciplinary care for an elderly patient	E.W8	booklet of practical skills, clinical case presentation
W11	the basic principles of pharmacotherapy for diseases in the elderly	E.W10	booklet of practical skills, clinical case presentation
W12	basic principles of organizing care for the elderly and the burden on the carer of the elderly	E.W12	booklet of practical skills, classroom observation, clinical case presentation
W13	environmental and epidemiological determinants of the most frequent human neoplastic diseases	E.W23	clinical case presentation

W14	rules of conduct in the event of the detection of an infectious disease	E.W33	booklet of practical skills, classroom observation, clinical case presentation
W15	basic features, environmental and epidemiological conditions of the most common human skin diseases	E.W35	booklet of practical skills, classroom observation
W16	causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases and specific problems in the practice of a family physician	E.W38	booklet of practical skills, clinical case presentation
W17	the types of biological materials to be used for laboratory diagnosis and the rules for the collection of test material	E.W39	booklet of practical skills
W18	theoretical and practical basics of laboratory diagnostics	E.W40	booklet of practical skills
W19	health effects of systematic physical activity of children and adolescents and physical activity of adults in prevention of selected diseases	E.W44	booklet of practical skills
W20	principles of immunoprophylaxis of infectious diseases	E.W51	booklet of practical skills, classroom observation, clinical case presentation
W21	the specificity of the study in sports medicine, including exercise capacity tests. Knows the rules of medical certification in children, adolescent and adult sportsmen	E.W45	classroom observation
Skills - Student can:			
U1	identify medical problems and prioritize medical management	O.U1	booklet of practical skills, classroom observation
U2	identify life-threatening conditions that require immediate medical intervention	O.U2	booklet of practical skills, classroom observation
U3	plan the diagnostic procedure and interpret its results	O.U3	classroom observation
U4	implement appropriate and safe therapeutic treatment and predict its effects	O.U4	classroom observation, clinical case presentation
U5	plan own learning activities and constantly learn in order to update own knowledge	O.U5	classroom observation
U6	inspire the learning process of others	O.U6	classroom observation
U7	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient	O.U7	classroom observation
U8	communicate and share knowledge with colleagues in a team	O.U8	classroom observation
U9	carry out a medical history with an adult patient	E.U1	booklet of practical skills, classroom observation
U10	carry out a medical interview with the child and his or her family	E.U2	booklet of practical skills, classroom observation
U11	conduct a full and targeted physical examination of an adult patient	E.U3	booklet of practical skills, classroom observation
U12	carry out a physical examination of a child of all ages	E.U4	booklet of practical skills, classroom observation

U13	conduct an approximate hearing and field of vision examination, and an otoscopic examination	E.U6	booklet of practical skills, classroom observation
U14	compile anthropometric and blood pressure measurements with data on centile grids	E.U9	booklet of practical skills, classroom observation
U15	assess the degree of advancement of puberty	E.U10	booklet of practical skills, classroom observation
U16	conduct routine health checks	E.U11	booklet of practical skills, classroom observation
U17	perform differential diagnosis of the most common diseases of adults and children	E.U12	booklet of practical skills, classroom observation
U18	plan diagnostic, therapeutic and prophylactic procedures	E.U16	booklet of practical skills, classroom observation
U19	analyze the potential adverse reactions of individual medicines and the interactions between them	E.U17	classroom observation, clinical case presentation
U20	qualify the patient for home and hospital treatment	E.U20	classroom observation, clinical case presentation
U21	interpret the results of laboratory tests and identify the causes of abnormalities	E.U24	booklet of practical skills, classroom observation
U22	qualify the patient for vaccination	E.U27	booklet of practical skills, classroom observation
U23	plan specialist consultations	E.U32	booklet of practical skills, classroom observation
U24	maintain patient's medical records	E.U38	classroom observation
U25	understand the importance and organization of support groups for chronic patients and their families, and Balint groups for medical staff	E.U51	classroom observation
U26	qualify children and young people for physical education and sports, and adults for appropriate physical activity. Interprets the stress tests	E.U41	classroom observation
Social competences - Student is ready to:			
K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures	O.K1	booklet of practical skills, classroom observation
K2	to be guided by the well-being of a patient	O.K2	booklet of practical skills, classroom observation
K3	respect medical confidentiality and patients' rights	O.K3	booklet of practical skills, classroom observation
K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease	O.K4	classroom observation
K5	promote health-promoting behaviors	O.K6	booklet of practical skills, classroom observation, clinical case presentation
K6	use objective sources of information	O.K7	classroom observation, clinical case presentation
K7	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment	O.K9	classroom observation

K8	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others	O.K11	classroom observation
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Calculation of ECTS points

Semester 7, Semester 8

Activity form	Activity hours*
seminar	-
classes	55
lecture	-
preparation for classes	20
Student workload	Hours 70
Workload involving teacher	Hours 55
Practical workload	Hours 15

* hour means 45 minutes

Semester 11, Semester 12

Activity form	Activity hours*
clinical classes	60
preparation for classes	30
preparation for examination	20
Student workload	Hours 110
Workload involving teacher	Hours 60
Practical workload	Hours 60

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes	Activities
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1.	Principles of Family Medicine and Model for Comprehensive Medicine	W16, U1, U5, U6, U7, K6	seminar, clinical classes, lecture
2.	Epidemiology of the Most Common Diseases in the Family Practice	W15, W4	seminar, clinical classes
3.	Doctor – Patient Communication	W16, U7	seminar, clinical classes
4.	Systems of Support During Illness	W12, U25	seminar, clinical classes
5.	Prevention and Health Promotion	W3, W5, U13, U14, U16, U22, K5	classes, seminar, clinical classes
6.	Dependency Behaviors and Addictions	W7	seminar
7.	Environmental Determinants of Health and Disease	W4	seminar
8.	Diagnostic and Treatment Management	W16, W17, W18, W6, W8, U18, U21, U3	seminar, clinical classes
9.	Communication Techniques	U7	classes, clinical classes
10.	The Strategy of Building Doctor-Patient Relationship	U25, U7, K1, K2, K3, K4	classes, clinical classes
11.	History Taking – Steps in Family Medicine	U1, U7	classes, clinical classes
12.	Acute Illnesses in Family Medicine	W1, W14, W6, W8, U19, U2	clinical classes
13.	The chosen chronic and Civilization diseases	W1, W15, W6, W8, U19	seminar, clinical classes
14.	Care for Chronically and Terminally Ill Patients	W2, U20	seminar, clinical classes
15.	Family Practice Organization and Quality of Care	U24, U8, K2, K7, K8	seminar, clinical classes
16.	Specific Psychological and Clinical Problems of Pediatric, Adult and Senile Population in the Family Medicine Practice and the Methods of Solving Them.	W10, W11, W12, W16, W19, W20, W21, W5, W6, W7, W9, U10, U11, U12, U15, U17, U23, U26, U4, U9	seminar, clinical classes
17.	Prophylaxis, Diagnosis of Oncological and Civilization Diseases.	W13, W4	seminar, clinical classes
18.	Family Abuse.	W7	seminar, clinical classes
19.	Family Medicine Care After Patient Hospitalization	U20	seminar, clinical classes

Course advanced

Semester 7, Semester 8

Teaching methods:

case study, brainstorm, classes / practicals, clinical classes, discussion, lecture, educational film, case study method, situation method, group work, assignments solving, seminar, simulation, simulated patient, virtual patient

Activities	Examination methods	Credit conditions
seminar	classroom observation	Completion of module requires meeting the following conditions during seminars: 1. attendance in all seminars is needed to have a credit 2. activity in classes 3. attitude and conduct

Activities	Examination methods	Credit conditions
classes	classroom observation	Completion of module requires meeting the following conditions during seminars: 1. attendance in all seminars is needed to have a credit 2. activity in classes 3. attitude and conduct
lecture	classroom observation, clinical case presentation	

Semester 11, Semester 12

Teaching methods:

clinical classes, practical classes

Activities	Examination methods	Credit conditions
clinical classes	booklet of practical skills, classroom observation, clinical case presentation	Students are assessed based on attendance and participation in classes, obtaining skills is confirmed in the book called "Booklet of practical skills" Module passing requires fulfilling the following conditions: 1. attendance in classes 2. active participation in classes 3. presentation of two clinical cases 4. passing the final test exam

Additional info

The students are obliged to familiarize themselves with the literature recommended before the classes.

Entry requirements

Knowledge in: epidemiology, sociology, microbiology, psychology, laboratory diagnostics, pharmacology. To start second part of the subject on 6th year the following credits are obligatory: family medicine part 1 (4th year), leading subjects and all other subjects, which are continued from previous years (internal diseases, pediatrics, family medicine, psychiatry, surgery, obstetrics and gynecology, emergency medicine). Presence at all classes is obligatory.

Literature

Obligatory

1. Textbook of Family Practice, Rakel 2015, 9th, Elsevier

Optional

1. John Murtagh's General Practice 7th Edition (Australia Healthcare Medical Medical) Hardcover – August 29, 2013
2. The Color Atlas of Family Medicine, Usatine January, 12 2014, McGraw Hill
3. Oxford Textbook of Primary Medical Care, vol. 1 & 2, Oxford Univ. Press
4. Current Diagnosis and Treatment - Family Medicine South-Paul, Matheny, Lewis 2015, 4rd McGraw Hill
5. Family Medicine - PreTest Self-Assessment and Review, Knutson December, 12, 2012, 4rd McGraw Hill
6. Family Medicine Ambulatory Care and Prevention Shimp, Leslie, Smith, Mindy Ann, July, 21, 2014, 6th, Lange 2014.
7. Case Files - Family Medicine, Toy, 4th McGraw-Hill, 2016

Standard effects

Code	Content
E.U1	carry out a medical history with an adult patient
E.U2	carry out a medical interview with the child and his or her family
E.U3	conduct a full and targeted physical examination of an adult patient
E.U4	carry out a physical examination of a child of all ages
E.U6	conduct an approximate hearing and field of vision examination, and an otoscopic examination
E.U9	compile anthropometric and blood pressure measurements with data on centile grids
E.U10	assess the degree of advancement of puberty
E.U11	conduct routine health checks
E.U12	perform differential diagnosis of the most common diseases of adults and children
E.U16	plan diagnostic, therapeutic and prophylactic procedures
E.U17	analyze the potential adverse reactions of individual medicines and the interactions between them
E.U20	qualify the patient for home and hospital treatment
E.U24	interpret the results of laboratory tests and identify the causes of abnormalities
E.U27	qualify the patient for vaccination
E.U32	plan specialist consultations
E.U38	maintain patient's medical records
E.U41	qualify children and young people for physical education and sports, and adults for appropriate physical activity. Interprets the stress tests
E.U51	understand the importance and organization of support groups for chronic patients and their families, and Balint groups for medical staff
E.W1	environmental and epidemiological determinants of the most frequent diseases
E.W2	the principles of nutrition of healthy and sick children, including breastfeeding, preventive vaccination and child health monitoring
E.W3	the causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases of children: (1) rickets, tetanus, convulsions, (2) heart defects, myocarditis, endocarditis, pericarditis, cardiomyopathy, arrhythmia, heart failure, hypertension, syncope, (3) acute and chronic diseases of the upper and lower airways, congenital defects of the respiratory system, tuberculosis, cystic fibrosis, asthma, allergic rhinitis, urticaria, anaphylactic shock, angioedema, (4) anemia, hemorrhagic diatheses, conditions of bone marrow failure, pediatric neoplastic diseases, including solid tumors typical of childhood, (5) acute and chronic abdominal pain, vomiting, diarrhea, constipation, gastrointestinal bleeding, peptic ulcer disease, non-specific intestinal diseases, pancreatic diseases, cholestasis and liver diseases, and other acquired diseases and congenital defects of the digestive tract, (6) urinary tract infections, congenital anomalies of the urinary system, nephrotic syndrome, renal stones, acute and chronic renal failure, acute and chronic nephritis, systemic kidney diseases, urinary tract disorders, vesicoureteral reflux disease, (7) growing disorders, thyroid and parathyroid diseases, adrenal diseases, diabetes, obesity, disorders of puberty and gonadal functions, (8) cerebral palsy, encephalomyelitis, meningitis, epilepsy, (9) the most common infectious diseases of childhood, (10) genetic syndromes, (11) diseases of connective tissue, rheumatic fever, juvenile arthritis, systemic lupus, dermatomyositis
E.W4	issues of abused child and sexual abuse, mental retardation and behavioral disorders – psychoses, addictions, eating disorders and excretion in children

Code	Content
E.W7	the causes, symptoms, principles of diagnosis and therapeutic management of the most common internal diseases and their complications in adults: 1) cardiovascular diseases, including ischemic heart disease, heart defects, endocarditis, myocardial infarction, pericardial infarction, heart failure (acute and chronic), diseases of arteries and venous vessels, arterial hypertension - primary and secondary, pulmonary hypertension, 2) respiratory system diseases, including respiratory tract diseases, chronic obstructive pulmonary disease, bronchial asthma, bronchial dilatation, cystic fibrosis, respiratory infections, interstitial diseases of the lungs, pleura, mediastinum, obstructive and central sleep apnea, respiratory failure (acute and chronic), respiratory tumors, 3) diseases of the digestive system, including diseases of the mouth, esophagus, stomach and duodenum, intestines, pancreas, liver, bile ducts and gallbladder, 4) diseases of the internal secretion system, including diseases of the hypothalamus and pituitary gland, thyroidism, parathyroidism, adrenal cortex and medulla, ovaries and testicles, and neuroendocrine tumors, polyglandular syndromes, various types of diabetes and metabolic syndrome - hypoglycaemia, obesity, dyslipidemia, 5) diseases of the kidneys and the urinary tract, including acute and chronic renal failure, glomerulonephrine and interstitial kidney diseases, kidney cysts, kidney stones, urinary tract infections, urinary tract neoplasms, in particular of bladder and kidney neoplasms, 6) hematopoietic diseases, including bone marrow aplasia, anemia, granulocytopenia and agranulocytosis, thrombocytopenia, acute leukemia, myeloproliferative and myelodysplastic-myeloproliferative tumours, myelodysplastic syndromes, mature B and T lymphocytes tumors, bleeding diatheses, thrombophilia, life-threatening conditions in hematology, blood disorders in other organ diseases, 7) rheumatic diseases, including systemic connective tissue diseases, systemic vasculitis, joint inflammations involving spinal cord, metabolic bone diseases, osteoporosis and osteoarthritis in particular, gout, 8) allergic diseases, including anaphylaxis and anaphylactic shock and angioedema, 9) water-electrolyte and acid-base disorders: dehydration conditions, overhydration conditions, electrolyte, acidic and alkaline disorders
E.W8	course and symptoms of the aging process and the principles of the overall geriatric assessment and interdisciplinary care for an elderly patient
E.W9	the causes and basic differences in the most common diseases in the elderly and the principles of management in basic geriatric syndromes
E.W10	the basic principles of pharmacotherapy for diseases in the elderly
E.W12	basic principles of organizing care for the elderly and the burden on the carer of the elderly
E.W23	environmental and epidemiological determinants of the most frequent human neoplastic diseases
E.W33	rules of conduct in the event of the detection of an infectious disease
E.W35	basic features, environmental and epidemiological conditions of the most common human skin diseases
E.W38	causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases and specific problems in the practice of a family physician
E.W39	the types of biological materials to be used for laboratory diagnosis and the rules for the collection of test material
E.W40	theoretical and practical basics of laboratory diagnostics
E.W44	health effects of systematic physical activity of children and adolescents and physical activity of adults in prevention of selected diseases
E.W45	the specificity of the study in sports medicine, including exercise capacity tests. Knows the rules of medical certification in children, adolescent and adult sportsmen
E.W51	principles of immunoprophylaxis of infectious diseases
O.K1	to establish and maintain deep and respectful contact with patients and to show understanding for differences in world views and cultures
O.K2	to be guided by the well-being of a patient
O.K3	respect medical confidentiality and patients' rights
O.K4	take actions towards the patient on the basis of ethical norms and principles, with an awareness of the social determinants and limitations of the disease
O.K6	promote health-promoting behaviors
O.K7	use objective sources of information

Code	Content
O.K9	implement the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment
O.K11	assume responsibility for decisions taken in the course of their professional activities, including in terms of the safety of oneself and others
O.U1	identify medical problems and prioritize medical management
O.U2	identify life-threatening conditions that require immediate medical intervention
O.U3	plan the diagnostic procedure and interpret its results
O.U4	implement appropriate and safe therapeutic treatment and predict its effects
O.U5	plan own learning activities and constantly learn in order to update own knowledge
O.U6	inspire the learning process of others
O.U7	communicate with the patient and his family in an atmosphere of trust, taking into account the needs of the patient
O.U8	communicate and share knowledge with colleagues in a team
O.W2	symptoms and course of diseases
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