



UNIwersytet
Andrzeja Frycza Modrzewskiego
w Krakowie

Collegium Medicum Faculty of Medicine

SUBJECT CARD

Field of studies: Medicine

Form of studies: Full-time course

Degree: long-cycle Master's program

Specializations: No specialization

Academic year: 2024/2025

FAMILY MEDICINE	
SUBJECT NAME	Family medicine
NUMBER OF ECTS POINTS:	7
LANGUAGE OF INSTRUCTION	English
TEACHER(S)	Anna Krztoń-Królewiecka M.D., Ph.D. Klaudia Bolsęga M.D. Karolina Cieślik M.D. Jakub Drożdż M.D. Kamila Kardel M.D. Łukasz Reczek M.D. Marcin Obodziński M.D.
PERSON RESPONSIBLE	Anna Krztoń-Królewiecka M.D., Ph.D.
NUMBER OF HOURS:	
LECTURES:	28h
TUTORIALS:	4h
CLASSES:	98h
GENERAL OBJECTIVES	

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OBJECTIVE 1:	To provide the student with a solid foundation in the principles of Family Medicine, the role of the Family Doctor and the place of Primary Care in the healthcare system in Poland and Europe. Attention is devoted to the recognition of differences in needs and clinical picture of patients typically seen by Primary Care Physicians and patients requiring secondary and tertiary care.
OBJECTIVE 2:	This rotation provides exposure and experience in the clinical setting of the most important and most common conditions (from all fields of medicine) encountered by Family Physicians
LEARNING OUTCOMES	
MK1	Knowledge: student knows the epidemiology of viral, bacterial, fungal and parasitic infections, taking into account the geographical extent of their occurrence.
MK2	Knowledge: student knows the impact of abiotic and biotic (viruses, bacteria) environmental factors on the human body and human populations and the ways of their penetration into the human body, describes the consequences of exposure of the human body to various chemical and biological agents and principles of prevention.
MK3	Knowledge: student knows the basics of disinfection, sterilization and aseptic technique.
MK4	Knowledge: student lists the legal regulations regarding the healthcare provision, patient rights, basic legal requirement to practice medicine and the responsibilities of the Medical Council. Student knows the legal regulations of death certification by physicians.
MK5	Knowledge: student explains the role of Family Doctor in intervention against domestic violence. Student knows how to identify predisposing risk factors of family abuse, note early signs and symptoms, assess for violence and safety within families, manage consequences of abuse and use community resources.
MK6	Knowledge: student explains the importance of verbal and nonverbal communication and the role of trust in patient-doctor relationship.
MK7	Knowledge: student describes psychosocial consequences of chronic disease and hospitalization.
MK8	Knowledge: student discusses the functioning of medical institutions and the social role of the doctor.

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MK9	Knowledge: student explains the basic psychological mechanism of human behavior in health and disease.
MK10	Knowledge: student presents the role of family in treatment process.
MK11	Knowledge: student presents the issues of adaptation to illness, the stages of adjustment to illness, coping with death and grief.
MK12	Knowledge: student explains the role of stress in pathophysiology of diseases and recognizes stress coping mechanisms.
MK13	Knowledge: student describes mechanisms, goals and methods of treatment of addiction to psychoactive drugs.
MK14	Knowledge: student explains the use of commonly used imaging techniques.
MK15	Knowledge: student knows the principles of altruism and clinical responsibility, is aware of rules in therapeutic team
MK16	Knowledge: student knows and understands the causes, symptoms, principles of diagnosis and therapeutic management of the most common surgical diseases, taking into account the distinctiveness of childhood.
MK17	Knowledge: student discusses the rules of healthy and sick children nutrition, the rules of preventive vaccinations and the schedule of well-child visits.
MK18	Knowledge: student explains such issues as: child abuse, sexual abuse, mental retardation, behaviour disorders, psychosis, addiction, eating disorders, enuresis and encopresis.
MK19	Knowledge: student knows the most common life-threatening conditions in children and knows the rules of first aid.
MK20	Knowledge: student describes and understands the process of ageing and knows the principles of the Comprehensive Geriatric Assessment and the need of interdisciplinary care for older adults.
MK21	Knowledge: student names the rules of pharmacotherapy in elderly patients.
MK22	Knowledge: student knows the hazards of hospitalization of the elderly
MK23	Knowledge: student knows the basic rules about caring and support for the elderly and is aware of the burdens in caregivers for older adults.

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MK24	Knowledge: student knows and is able to distinguish the basic symptoms of neurological disorders.
MK25	Knowledge: student discusses the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases of the nervous system.
MK26	Knowledge: student presents the general symptomatology of mental disorders and their classification according to the most important current psychiatric classifications.
MK27	Knowledge: student knows the principles of diagnosis and management in psychiatric emergencies.
MK28	Knowledge: student knows the specificity of mental disorders in children, adolescents and the elderly.
MK29	Knowledge: student indicates the legal regulations referring to mental health care and compulsory admission and involuntary treatment of mentally ill patients.
MK30	Knowledge: student indicates the environmental and epidemiological conditions of the most common human cancers.
MK31	Knowledge: student discusses the basics of early cancer detection and the principles of screening in oncology.
MK32	Knowledge: student explains the principles of palliative care in terminally ill patients.
MK33	Knowledge: student knows pain treatment guidelines for cancer and chronic pain.
MK34	Knowledge: student explains such issues as: deformity, invalidity and disability.
MK35	Knowledge: student discusses the causes, symptoms, principles of diagnosis and therapeutic and prophylactic management in the most common bacterial, viral, parasitic and mycotic diseases, including pneumococcal infections, viral hepatitis, acquired immune deficiency (AIDS), sepsis and hospital infections.
MK36	Knowledge: student discusses the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases and specific problems in the Family Doctor's practice.
MK37	Knowledge: student knows the types of biological specimens and principles of sample collection for laboratory tests

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MS1:	Skills: student takes medical history with an adult patient.
MS2:	Skills: student takes medical history with a child and its family.
MS3:	Skills: student performs comprehensive physical examination of an adult patient.
MS4:	Skills: student performs physical examination of a child at any age.
MS5:	Skills: student assesses and describes psychosomatic patient condition.
MS6:	Skills: student recognizes a life-threatening condition.
MS7:	Skills: student recognizes condition indicating alcohol and drug use.
MS8:	Skills: student plans diagnostic, therapeutic and preventive management
MS9:	Skills: student analyzes the possible side effects and interections of drugs.
MS10:	Skills: student suggests an individualised approach to valid guidelines and other treatment methods, if standard therapy is ineffective or contraindicated.
MS11:	Skills: student recognizes drug abuse and suggests appropriate mangement.
MS12:	Skills: student qualifies patient for home monitoring or hospital treatment.
MS13:	Skills: student performs functional disability assessment.
MS14:	Skills: student uses nutritional therapy (including enteral and parenteral nutrition).
MS15:	Skills: student plans the management to prevent exposure to the transmission of bloodborne infectious diseases.
MS16:	Skills: student qualifies patient for vaccinations.
MS17:	Skills: student collects samples for laboratory testing.
MS18:	Skills: student performs basic medical procedures and treatments, including: injections, dressing wounds, basic ENT examination including inspection of ears, nose, throat and larynx
MS19:	Skills: student plans specialist consultations.

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MS20:	Skills: student assesses pressure ulcers and uses appropriate dressings
MS21:	Skills: student keeps the medical record of a patient.
MS22:	Skills: student performs cardiopulmonary resuscitation (CPR) with the use of Automated External Defibrillator and provides first aid.
MS23:	Skills: student recognizes the start of labour and abnormal labour duration.
MS24:	Skills: student recognizes ocular emergencies and provides first professional aid in case of physical or chemical eye injuries.
MS25:	Skills: student performs clinical evaluation of the unconscious patient with the use of international assessment scales.
MS26:	Skills: student recognizes symptoms of increased intracranial pressure
MS27:	Skills: student explains to health service users their rights and legal regulations for service providers.
MS28:	Skills: student applies legal regulations referring medical certificates for patients, their families and external entities.
MS29:	Skills: student recognizes signs and symptoms of child abuse.
MS30:	Skills: student can motivate patients to develop pro-health behaviors.
MS31:	Skills: student reads microbiology test results.
MS32:	Skills: student demonstrates methods to deliver bad news to patients
MC1:	Social competencies: student follows ethical standards in professional activities.
INTRODUCTORY REQUIREMENTS	
Student possesses knowledge in the field of: behavioral and social science and non-surgical and surgical clinical science.	
COURSE PROGRAM	DESCRIPTION
LECTURE 1:	Introduction to Family Medicine. Primary health care.
LECTURE 2:	Ill child in the Family Doctor's office.
LECTURE 3:	Healthy child in the Family Doctor's office.

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LECTURE 4:	Vaccinations.
LECTURE 5:	Patient in the Family Doctor's office. The most common acute reasons of visits in primary care. Part I.
LECTURE 6:	Patient in the Family Doctor's office. The most common acute reasons of visits in primary care. Part II.
LECTURE 7:	Patient with chronic illness in the Family Doctor's office. Part I.
LECTURE 8:	Patient with chronic illness in the Family Doctor's office. Part II.
LECTURE 9:	Ageing of society. Taking care of the elderly. Diseases common in elderly population as a challenge for Family Doctor.
LECTURE 10:	Health promotion and prophylaxis of diseases in the Family Doctor's office.
LECTURE 11:	Acute and chronic skin disorders in the Family Doctor's office.
LECTURE 12:	Signs and symptoms of mental disorders. Addictions.
LECTURE 13:	Domestic violence. Cooperation between Family Doctor and social services
LECTURE 14:	Emergencies in the Family Doctor's office.
TUTORIAL 1	Principles of Family Medicine.
TUTORIAL 2	Family Doctor-Patient relationship.
CLASS 1	Primary care practice – rules of functioning, legal regulations, staff, equipment, opening hours, out-of-hours services. Incapacity of work: patients' rights to sick leave and sick pay/benefit. Medical certification. Prescribing guidance. Medicines reimbursement policies. When / how to make referrals to secondary and tertiary care units.
CLASS 2	An adult patient with respiratory tract infection in the Family Doctor's office. A child with respiratory tract infection in the Family Doctor's office. Basic ENT examination including inspection of ears, nose, throat and larynx, heart and lungs auscultation.
CLASS 3	A patient with back pain in the Family Doctor's office.
CLASS 4	A healthy child in the Family Doctor's office. Child health surveillance from newborn to adolescent.

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CLASS 5	Qualification for vaccinations. Immunization schedule. The organization of vaccination services in primary care.
CLASS 6	An ill child in the Family Doctor's office. Physical examination of a child at any age. Family physician- parent-child relationship. Pediatric patient and parent communication.
CLASS 7	An elderly in the Family Doctor's office. Comprehensive geriatric assessment.
CLASS 8	A home visit. The role of district nurse and long-term care nurse. Pressure ulcer evaluation. The Barthel scale. Referrals to residential homes and nursing homes. Legal regulations of death certification by physicians.
CLASS 9	Basic procedures in primary care: basic life parameters monitoring (pulse, respiratory rate, body temperature, blood pressure, oxygen saturation), finger stick blood glucose test, resting eeg, catheterization, dressing change, intramuscular injections, cerumen removal, suture removal.
CLASS 10	Supplementary diagnostic tests in Family Doctor's office. Evaluation and interpretation of normal and abnormal results, including results of imaging tests.
CLASS 11	Doctor-patient communication. Aspect of age, problem understanding, relationship-respect-trust, "difficult" patient. Practical training in communication techniques. Practical training in motivating patients to develop pro-health behaviors, and explaining patients their basic rights.
CLASS 12	An emergency in the Family Doctor's office: a patient with malignant hypertension. The management of hypertensive patient.
CLASS 13	Preventive programs in the Family Doctor's office.
CLASS 14	Multimorbidity. Polypragmasia. Patient care after hospital discharge.
DIDACTIC METHODS (APPLIED)	DESCRIPTION
	Lectures Tutorials Clinical classes in Family Doctor's office
STUDENTS WORKLOAD:	

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CONTACT HOURS WITH THE ACADEMIC TEACHER	130 hours
HOURS WITHOUT THE PARTICIPATION OF THE ACADEMIC TEACHER	Preparation for classes: 30 hours Preparation for the exam: 50 hours
TOTAL NUMBER OF HOURS FOR THE COURSE	210 hours

CONDITIONS FOR COURSE COMPLETION

1. Family medicine course includes lectures, tutorials and clinical classes, which take place according to a fixed schedule.
2. Students are obligated to attend the classes only with the group into which they are assigned. Any change of group should be approved by the dean and the course coordinator.
3. Attendance at all lectures, tutorials and classes is obligatory.
4. In the case of absences, the possibility of making up for absences from classes should be consulted with the teacher and accepted by the course coordinator.
5. Clinical classes include 14 days of practical training in primary care practices. The group of 2 or 3 students accompanies the teacher – family physician in the daily work routine. Family doctors work in two rounds: from 8:00am till 1:15pm or from 12:45pm till 6:00pm so the classes take place in the morning or in the afternoon – the detailed schedule of classes and dress code in the particular practice will be presented for each group by the teacher. The students are obligated to contact the teacher before the start of the classes.
6. During clinical classes each student is obligated to have own stethoscope, face mask and disposable gloves.
7. Eating during classes is forbidden. During classes students are not allowed to use mobile phones.
8. To pass the classes, the student is obligated to attend all lectures, tutorials and clinical classes, to present clinical skills and ethical standards and pass the final written colloquium.
9. The exam includes topics covered during lectures, tutorials and clinical classes described in the Subject Card.
10. The condition for admission to the exam is passing the classes. The first term exam is multiple choice questions exam consisting of 50 questions. The student is obligated to answer at least 60% of the questions correctly to pass the exam. The retake exam is an oral exam including 3 questions.

METHODS OF ASSESSMENT:

IN TERMS OF KNOWLEDGE:	Written examination – multiple choice questions test
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IN TERMS OF SKILLS:	Practical skills demonstration during clinical classes in Family Doctor's office.
IN TERMS OF SOCIAL COMPETENCE:	Student observation during clinical classes in Family Doctor's office
FORMATIVE:	Discussion during clinical classes in Family Doctor's office. Written colloquium.
SUMMATIVE (I & II)	I term (EXAM): Written examination – 50 questions multiple choice test. II term (RETAKE EXAM): Oral exam including 3 questions.

GRADING SCALE

3,0 (Satisfactory)	Student answered 60%-69% of the questions on written examination correctly.
3,5 (Satisfactory plus)	Student answered 70%-76% of the questions on written examination correctly
4,0 (Good)	Student answered 77%-84% of the questions on written examination correctly.
4,5 (Good plus)	Student answered 85%-90% of the questions on written examination correctly.
5,0 (Very Good)	Student answered 91%-100% of the questions on written examination correctly

BASIC LITERATURE

[1] J. Murtagh, J. Rosenblatt, C. Murtagh, J. Coleman: Murtagh's General Practice 7th Edition, McGraw-Hill 2018.

SUPPLEMENTARY LITERATURE

[1] E. Toy, D. Briscoe, B. Britton, J.J. Heidelbaugh: Case Files Family Medicine 5th Edition, McGraw-Hill 2020.