

SYLLABUS

REGARDING THE QUALIFICATION CYCLE FROM 2024 TO 2030
ACADEMIC YEAR 2027/2028

1. BASIC COURSE/MODULE INFORMATION

Course/Module title	Family Medicine
Course/Module code *	MRdz/E
Faculty (name of the unit offering the field of study)	Faculty of Medicine, University of Rzeszow
Name of the unit running the course	Department of Family Medicine
Field of study	Medical direction
Qualification level	Uniform Master's Studies
Profile	General academic
Study mode	Stationary / extramural
Year and semester of studies	4th year, 7th and 8th semester
Course type	Mandatory
Language of instruction	English
Coordinator	Dr Mariusz Małecki PhD , MD
Course teachers	Lecture: Dr Mariusz Małecki PhD, MD Seminar: Dr Mariusz Małecki, PhD, MD, Dr Konrad Skolimowski, Exercise: Dr Piotr Mierzwa, Dr Konrad Skolimowski, Dr Renata Małecka, Dr Konrad Wróbel, Dr Małgorzata Dulas.

* - as agreed at the faculty

1.1. Learning format – number of hours and ECTS credits

Semester (no.)	Lectures	Exercises	Laboratories	Seminars	Practical classes	Internships	others	ECTS credits
VII	13	9		13				2
VIII	13	9		13				2

1.2. Course delivery methods

- ☒ conducted in a traditional way
☐ involving distance education methods and techniques

1.3. Course/Module assessment: credit with grade

2. PREREQUISITES

Knowledge of physiology and pathophysiology and medical examination skills, including pediatric examination.

3. OBJECTIVES, LEARNING OUTCOMES, COURSE CONTENT, AND INSTRUCTIONAL METHODS

3.1. Course/Module objectives

C ₁	Getting to know the principles of family medicine and the role of a family doctor in the health care system.
C ₂	Expanding the theoretical basis and practical skills in family medicine and getting to know with the scope of competences of a family doctor and his role in the health care system
C ₃	Integrating the theoretical and clinical knowledge that has been already thought and its use in the conditions of outpatient advice

3.2. COURSE/MODULE LEARNING OUTCOMES

EK (the effect of education)	The content of learning outcomes defined for the class (module)	Reference to directional effects ¹
KNOWLEDGE: The graduate knows and understands the following.		
EK_01	Environmental and epidemiological conditions, causes, symptoms, principles of diagnosis and therapeutic procedures in the most common diseases in the practice of a family doctor;	E.W37
EK_02	Principles of health-seeking behavior, the basics of prevention and early detection of the most common diseases of civilization and the principles of screening for these diseases;	E.W38
SKILLS: a graduate can		
EK_03	Collect an interview with an adult, including an elderly person, using skills on the content, process and perception of communication, taking into account the biomedical perspective and the patient's perspective;	E.U1

¹In the case of a path of education leading to obtaining teaching qualifications, also take into account the learning outcomes of the standards of education preparing for the teaching profession.

EK_04	collect an interview with the child and his/her caregivers, using skills regarding the content, process and perception of communication, taking into account the biomedical and patient perspectives;	E.U2
EK_05	Perform a targeted physical examination of the adult breast and prostate gland;	E.U4
EK_06	Conduct balance examinations, including comparing anthropometric and blood pressure measurements with data on centile grids, and assessing maturation;	E.U8
EK_07	<p>Recognize the most common symptoms of disease in adults, apply diagnostic tests and interpret their results, carry out differential diagnosis, implement therapy, monitor the effects of treatment, and assess the indications for specialist consultation, especially for symptoms such as:</p> <ol style="list-style-type: none"> 1) fever; 2) weakness; 3) loss of appetite; 4) weight loss; 5) shock; 6) cardiac arrest; 7) disturbance of consciousness, including fainting; 8) edema; 9) rash; 10) coughing and expectoration; 11) hemoptysis; 12) shortness of breath; 13) nasal and ear discharge; 14) chest pain; 15) palpitations; 16) cyanosis; 17) nausea and vomiting; 18) swallowing disorders; 19) abdominal pain; 20) presence of blood in the stool; 21) constipation and diarrhea; 22) jaundice; 23) bloating and abdominal resistance; 24) anemia; 25) lymphadenopathy; 26) urinary disturbances; 27) hematuria and proteinuria; 28) menstrual disorders; 29) lowered mood and anxiety; 30) memory and cognitive function disorders; 31) headache; 32) dizziness; 33) hemiparesis; 34) seizures; 	E.U9

	35) back pain; 36) joint pain; 37) trauma or burn; 38) dehydration and conductivity;	
EK_o8	Recognize conditions requiring treatment in the hospital setting;	E.U12
EK_o9	maintain patient medical records, including in electronic form, in accordance with the law;	E.U18
EK_10	Provide health care services using available information and communication systems used in health care;	E.U20
EK_11	conduct patient health education, including nutrition education tailored to individual needs;	E.U21
EK_12	Apply rational antibiotic therapy depending on the patient's clinical condition;	E.U22
EK_13	Conduct a conversation with the patient, taking into account the pattern of the conversation (starting the conversation, gathering information, clarifying and planning, ending the conversation), taking into account the structuring of such a conversation, and forming a relationship with the patient using the selected model (e.g., Calgary-Cambridge guidelines, Segue, Kalamazoo Consensus, Maastricht Maas Global), including through electronic communication;	E.U23
EK_14	Communicate with patients from groups at risk of economic or social exclusion, respecting their dignity;	E.U27
EK_15	identify social determinants of health, indicators of the occurrence of anti-health and self-destructive behaviors and discuss them with the patient and make a note in the medical record;	E.U28
EK_16	identify possible indicators of the occurrence of violence, including domestic violence, collect an interview in the direction of verifying whether there is a risk that the patient is experiencing violence, make a note in the medical record and initiate the "Blue Card" procedure;	E.U29
EK_17	use the following protocols (e.g., when transferring patient care, ordering or providing patient consultation): 1) ATMIST (A (Age - age), T (Time of injury - time of injury), M (Mechanism of injury - mechanism of injury), I (Injury suspected - suspected effects of injury), S (Symptoms/Signs - symptoms), T (Treatment/Time - treatment and time of arrival)); 2) RSVP/ISBAR (R (Reason - cause, why), S (Story - patient's story), V (Vital signs - vital signs), P (Plan - plan for patient)/I (Introduction - introduction), S (Situation - situation), B (Background - background), A (Assessment - evaluation), R (Recommendation - recommendation)).	E.U34
SOCIAL COMPETENCIES: the graduate is ready to		

EK_18	establish and maintain deep and respectful contact with patients, and show understanding of worldview and cultural differences;	K.01
EK_19	guided by the welfare of the patient;	K.02
EK_20	Compliance with medical confidentiality and patient rights;	K.03
EK_21	to take action towards the patient on the basis of ethical principles, with awareness of the social conditions and limitations resulting from the disease;	K.04
EK_22	Recognizing and recognizing one's own limitations, making self-assessments of deficits and educational needs;	K.05
EK_23	Promoting health-seeking behavior;	K.06
EK_24	Use of objective sources of information;	K.07
EK_25	Formulate conclusions from their own measurements or observations;	K.08
EK_26	Implementation of the principles of professional camaraderie and teamwork, including with representatives of other medical professions, including in a multicultural and multinational environment;	K.09
EK_27	Formulate opinions on various aspects of professional activities;	K.10
EK_28	accepting responsibility related to decisions made in the course of professional activities, including in terms of the safety of themselves and others.	K.11

3.3. Course content

A. Problems of the lecture

B. Problems of auditorium, seminar, laboratory and practical classes

Course contents	Hours
Problems of the lecture 7th semester	
1. Syllabus. Organizational information. The family physician and primary health care in the health care system - Poland and Europe.	3
2. Competencies of a primary care physician – interpretation of laboratory test results. The concept of Family Medicine in Poland and worldwide. Quality of care in PHC – Poland and the European context.	3
3. Health promotion in the practice of a family doctor. Prophylaxis of selected diseases and screening tests in the practice of a family physician.	3
4. A newborn baby, an infant, an older child in the practice of a family physician. Implementation of preventive vaccinations. Balance tests of children	3

Problems of the lecture 8th semester	
1. Pharmacoeconomics in family medicine. Guidelines for the conduct in family medicine. Implementation of integrated care (Coordinated Health Care).	3
2. Civilization diseases in the practice of a family physician -arterial hypertension	3
3. Civilization diseases in the practice of a family physician - diabetes t 2	3
4. Neoplastic diseases in the practice of a family physician.	3
Problems of seminar 7th semester	
1. Organization of primary health care clinics. The most common health problems in primary care. Less frequent reasons for reporting - violence in the family.	3
2. Cooperation of a family physician with physicians of other specialties and with other medical professionals. Principles of referring patients to hospitals, sanatoriums, for medical rehabilitation.	3
3. Keeping medical documentation in the practice of a family physician. Additional laboratory and imaging tests in the practice of a family physician.	3
4. Communication between the family physician and the patient. Telemedicine as a form of providing health services in primary health care. Special patient groups.	2
5. Ethical problems in the practice of a family physician.	2
Problems of seminar 8th semester	
1. Mental health disorders in the practice of a family physician.	3
2. Back pain syndrome and osteoarthritis in the practice of a family physician.	3
3. The most common infectious diseases in the practice of a family physician. Prevention of infectious diseases. Preventive vaccination program. Vaccination of adults.	3
4. Emergency situations in the practice of a family physician.	2
5. PASS - FINAL TEST	2

3.4. Methods of Instruction

Lecture: lecture with multimedia presentation

Exercises: practical exercises, observation of the doctor's work **AND** other medical personnel, individual work with a patient under the supervision of a doctor

Seminar: multimedia presentation with analysis of the content and discussion

4. Assessment techniques and criteria

4.1 Methods of evaluating learning outcomes

Learning outcome	Methods of assessment of learning outcomes (e.g. test, oral exam, written exam, project, report, observation during classes)	Learning format (lectures, classes,...)
EK_01	credit without grade	Lecture
EK_02	credit with grade	SEMINAR, EXERCISES
EK_03	credit with grade	SEMINAR, EXERCISES
EK_04	credit with grade	SEMINAR, EXERCISES

4.2 Course assessment criteria

The condition for completing the course is:

1. Full participation and activity in exercises and seminars.
2. Full participation in lectures.

Exercises and seminars - the student's task is to conduct a subjective and physical examination of the patient, interpret the laboratory results, make the correct diagnosis and plan the therapeutic procedure as well as answer the questions about the issues raised at the seminars.

Assessment of skills during exercises:

5,0 - the student actively participates in the classes, is well prepared, knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor, properly plans specialist consultations and keeps medical records.

4,5 - the student actively participates in the classes, knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor, properly plans specialist consultations and keeps medical records.

4,0 - the student actively participates in classes, is corrected, knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor, properly plans specialist consultations and keeps medical records.

3,5 - the student participates in the classes, its scope of preparation does not allow for a comprehensive presentation of the problem in question, knows and understands the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor to a sufficient degree, plans specialist consultations, sometimes making mistakes and keeps documentation medical.

3,0 - the student participates in the classes, knows and understands sufficiently the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor, plans specialist consultations, often making mistakes, and keeps medical records.

2,0 - the student passively participates in classes, statements are factually incorrect, does not know and understand the causes, symptoms, principles of diagnosis and therapeutic management in the most common diseases in the practice of a family doctor, incorrectly plans specialist consultations and incorrectly maintains medical documentation, is often corrected

PASS - FINAL TEST

- The test lasts 45 minutes from the start of writing the test, i.e. from the moment all students in the room took their place, the examiner presented the applicable rules, explained all doubts and answered all questions of students participating in the exam, the student representative confirmed with his signature that the students taking participation in the exam had the opportunity to familiarize themselves with the rules of the exam and obtained answers to all questions.
- The test consists of 60 questions with 1 correct answer.
- The condition for taking the final exam is to pass all exercises and seminars positively
- Range of grades: 2.0 - 5.0

5.0 - shows knowledge of the content of education at the level of 93% -100%

4.5 - shows knowledge of the content of education at the level of 85% -92%

4.0 - shows knowledge of the content of education at the level of 77% -84%

3.5 - shows knowledge of the content of education at the level of 69% -76%

3.0 - shows knowledge of the content of education at the level of 60% -68%

2.0 - shows knowledge of the content of education below 60%

5. Total student workload needed to achieve the intended learning outcomes – number of hours and ECTS credits

Activity	Number of hours
Course hours	70
Other contact hours involving the teacher (consultation hours, examinations)	6
Non-contact hours - student's own work (preparation for classes or examinations, projects, etc.)	44
Total number of hours	120
Total number of ECTS credits	4

* One ECTS point corresponds to 25-30 hours of total student workload

6. Internships related to the course/module

Number of hours	-
Internship regulations and procedures	-

7. Instructional materials

BASIC LITERATURE: TEXTBOOK OF FAMILY MEDICINE. AUTHOR: ROBERT AND DAVID P. RAKEL. NINTH EDITION. ELSEVIER 2015.
ADDITIONAL LITERATURE: CURRENT REGULATION OF THE MINISTER OF HEALTH ON MANDATORY VACCINATIONS.

Approved by the Head of the Department or an authorised person