

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

SUMY STATE UNIVERSITY

Academic and Research Medical Institute

Кафедра внутрішньої та сімейної медицини

CARE OF PATIENTS. THERAPEUTIC PRACTICE

Higher education level	The Second
Major: study programme	I2 Medicine: Medicine

Approved by Quality Council HHMI

Chairman of the Quality Council HHMI
Petrashenko Viktoriia Oleksandrivna

DATA ON APPROVAL

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Syllabus

1. General information

Full name	Care of Patients. Therapeutic Practice
Full official name of a higher education institution	Sumy State University
Full name of a structural unit	Academic and Research Medical Institute. Кафедра внутрішньої та сімейної медицини
Author(s)	Dudchenko Yevhenii Serhiiovych, Bokova Svitlana
Cycle/higher education level	The Second Level Of Higher Education, National Qualifications Framework Of Ukraine – The 7th Level, QF-LLL – The 7th Level, FQ-EHEA – The Second Cycle
Duration	one semester
Workload	1 ECTS, 30 hours. For full-time course 10 hours are working hours with the lecturer (10 hours of seminars), 20 hours of the individual study.
Language(s)	English

2. Place in the study programme

Relation to curriculum	Compulsory course available for study programme "Medicine"
Prerequisites	Knowledge of human anatomy, histology, cytology and embryology, latin language and medical terminology, medical biology, medical and biological physics, medical chemistry, biological and bioorganic chemistry, physiology, microbiology, virology and immunology, medical informatics, Integrated course in fundamental disciplines, Ukrainian language
Additional requirements	There are no specific requirements
Restrictions	There are no specific restrictions

3. Aims

The aim of the discipline is to acquire fundamental theoretical and practical skills of professional activity of a junior nurse, mastering basic techniques on the basis of knowledge of main disciplines in compliance with the principles of medical ethics and deontology.

4. Contents

The main attention is focused to the study of hygienic, preventive and therapeutic measures, which are within the competence of nurse assistant and nurse. Practical skills are used to create of a constant comfortable sanitary and hygienic environment for patients, to assist for early recovery of

the patient, help to avoid the development of complications and nosocomial infections, and to speed up the rehabilitation of patients. Topic 1. Structure of the hospital, features of the organization of their work. Organization of the department's work. Scope of work of junior medical personnel. Topic 2. Organization of sanitary-hygienic and anti-epidemic regimes. Organization of the reception department's work. Examination for pediculosis. Topic 3. Sanitary treatment. Personal hygiene of staff and patients. Hygienic and therapeutic baths. Prevention of bedsores, causes, typical localization, prevention, classification and care depending on the severity of the process and localization. Topic 4. Organization of food in the hospital. Rules for serving food in the department. Sanitary requirements for the catering unit, buffet, dining room.

5. Intended learning outcomes

After successful completion of the internship, a student will be able to:

LO1	Possess comprehensive knowledge of the structure of professional activity.
LO2	Understand and demonstrate knowledge of fundamental and clinical biomedical sciences at a level sufficient to resolve professional tasks within the healthcare sector.
LO3	Knowledge and understanding of the subject area and professional activity comprehension.
LO4	Make reasoned decisions
LO5	Work in team
LO6	Communicate interpersonally
LO7	Determination and persistence on the tasks and commitments undertaken.
LO8	Maintain and multiply moral, cultural, scientific values and achievements of society based on understanding the history and development patterns of the subject area, its place in the general system of knowledge about nature and society and in the development of society, techniques and technologies using different types and forms of physical activity for active recreation and a healthy lifestyle.
LO9	Observe ethical principles when working with patients of different ages and diseases
LO10	Collect medical information about the patient and analyze clinical data.

6. Role in the achievement of programme learning outcomes

Programme learning outcomes:

For I2 Medicine:

PO1	Possess comprehensive knowledge of the structure of professional activity. Perform professional activities that require the continuous updating and integration of knowledge. Assume responsibility for professional development and demonstrate the capacity for further independent professional learning with a high level of autonomy.
PO4	Isolate and identify primary clinical symptoms and syndromes; establish a provisional clinical diagnosis of a disease using standard methodologies, based on preliminary patient history, physical examination findings, and knowledge of human anatomy, organs, and systems.

PO5	Collect patient complaints, medical and life history; assess the patient's psychomotor and physical development, as well as the state of bodily organs and systems; evaluate diagnostic information based on laboratory and instrumental findings, accounting for the patient's age.
PO19	Plan and implement a system of antiepidemic and prophylactic measures to prevent the onset and spread of diseases among the population.
PO20	Analyse the epidemiological situation and implement mass, individual, general, and localized prophylactic measures for infectious diseases.

7. The role in the development of program competencies

For I2 Medicine:

PC1	GC 1. Ability to think abstractly, analyse, and synthesize.
PC2	GC 2. Ability to learn and master modern knowledge.
PC3	GC 3. Ability to apply knowledge in practical situations.
PC4	GC 4. Knowledge and understanding of the subject area and understanding of the professional activity.
PC5	GC 5. Ability to adapt and act in a new situation.
PC6	GC 6. Ability to make informed decisions.
PC7	GC 7. Ability to work in a team.
PC8	GC 8. Ability to engage in interpersonal interaction.
PC9	GC 12. Determination and persistence concerning tasks and responsibilities undertaken.
PC10	GC 15. Ability to preserve and enhance moral, cultural, and scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place within the general system of knowledge about nature and society, and in the development of society, engineering, and technologies; to utilize various types and forms of physical activity for active recreation and leading a healthy lifestyle.
PC11	SC 2. Ability to determine the required scope of laboratory and instrumental investigations and evaluate their results.
PC12	SC 25. Adherence to professional and academic integrity, assuming responsibility for the validity of obtained scientific results.

8. Learning activities

LA1	Preparation for practical classes
LA2	Self-study
LA3	Self-study activity implying tutorials and relevant information sources
LA4	Study of practice skills in clinics
LA5	Solving test tasks

LA6	Solving situational problems
LA7	E-learning in certain educational components: SSU platforms Mix learning, Lectur.ED and Google Meet, Zoom platforms
LA8	Practice on a phantom in the simulation center (to conduct an artificial lung ventilation and a closed-chest cardiac massage)
LA9	Practice on a phantom in the simulation center (to conduct anthropometric measurements, dripping drops in the ears and nose, toilet eyes, ears, mouth, feeding, washing)
LA10	Watching videos

9. Teaching methods

Provides learning through:

TM1	Practical training
TM2	Self-study
TM3	Problem-based learning
TM4	Team Based Learning
TM5	Case-based learning

Modern teaching methods (CBL, TBL) promotes the development of professional skills in the training of practice-oriented specialists. The discipline provides students with the following soft skills: GC1. Ability to learn and master modern knowledge. GC2. Ability to apply knowledge in practice. GC3. Knowledge and understanding of the subject area and professional activity comprehension. GC4. Ability to adapt and act in a new situation. GC5. Ability to make reasoned decisions. GC6. Ability to work as a team member. GC7. Interpersonal interaction skills.

10. Methods and criteria for assessment

10.1. Assessment criteria

National scale	Rating scale
5 (Excellent)	$170 \leq RD \leq 200$
4 (Good)	$164 \leq RD < 169$
4 (Good)	$140 \leq RD < 163$
3 (Satisfactory)	$127 \leq RD < 139$
3 (Satisfactory)	$120 \leq RD < 126$
2 (Fail)	$70 \leq RD < 119$
2 (Fail)	$0 \leq RD < 69$

10.2 Formative assessment

	Description	Deadline, weeks	Feedback
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FA1 Discussion and development of self-esteem skills	Interaction based on the comparison of the current level of success with previous indicators in order to improve the results of educational activities.	During the entire period of studying the discipline	Adjusting learning approaches based on assessment results. Control of performance of practical skills.
FA2 Surveys and guidelines of the teacher who manages the practice	Determination of the level of acquired experience of educational activities in accordance with the set goals and reasons for inconsistency. Correction of the learning process.	During the entire period of studying the discipline	Forming an assessment based on the analysis of the specified indicators of educational activity.
FA3 Solve of situational exercises by students and their discussion	Formation of clinical thinking and independence in practical work	Independent performance of situational tasks by students in practical classes and their discussion	Evaluation of the student's ability to clinical thinking and justification of the decisions made. Determination of the level of theoretical training.
FA4 Checking and evaluating written assignments	Control of the level of theoretical training.	During the entire period of studying the discipline	Forming an assessment based on the analysis of the received information
FA5 Testing	Checking the level of assimilation of knowledge, skills and abilities from each topic.	During the entire period of studying the discipline.	Forming an appropriate assessment on the basis of a certain level of theoretical training

10.3 Summative assessment

	Description	Deadline, weeks	Feedback
SA1 Overall score for current discipline	Assessment of written works, surveys, situational problems, testing. Determination of the level of acquired knowledge.	During the entire period of studying the discipline	A student can get a maximum of 120 points, a minimum of 72 points.

SA2 Overall score for final assessment: differentiated module	Candidates who have successfully mastered the material, passed practical skills and final computer testing are admitted to the differentiated module.	In the last lesson.	The maximum number of points that the winner can get is 80 points, the minimum number of points is 48 point
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Form of assessment:

Form of assessment:

		Points	Можливість перекладання з метою підвищення оцінки
The first semester of teaching		200 scores	
SA1. Overall score for current discipline		120	
	Oral discussions, tests, independent solve of situational exercises by students and their discussion	48	No
	Practical skills	72	No
SA2. Overall score for final assessment: differentiated module		80	
	Practical skills	50	No
	Testing	30	No

The maximum number of points that a student can receive in practical classes during the semester - 120. A student is allowed to the final control, if for the current activity he scored 72 points. For the final control the student can get a maximum of 80 points. The form of final control includes control of theoretical and practical training. The final module control is closed if student scored at least 48 points In case a negative result, the student has the right to retake the final module twice. In case of the introduction of quarantine restrictions classes are conducted remotely with the use of educational platforms SSU Mix learning, Lectur.ED and platforms Google Meet, Zoom.

11. Learning resources

11.1 Material and technical support

MTS1	Library holdings
MTS2	Information and communication systems
MTS3	Computers
MTS4	Computer systems and networks
MTS5	Multimedia equipment
MTS6	Software (to support distance learning)
MTS7	Simulation center (phantom of the patient to practice the skills of artificial ventilation and indirect heart massage)

MTS8	Simulation center (phantom of doll to practice skills in caring for seriously ill children (for practicing washing techniques, bathing children, swaddling))
MTS9	Medical equipment (trays, tweezers, dilator, tongue holder, floor and table scales, horizontal and vertical height meter, centimeter tape for anthropometric research, tonometer, disposable consumables (gauze napkins, cotton balls))
MTS10	Educational video

Medical facilities / premises and equipment (Municipal non-profit enterprise of the city council "Sumy City Children's Clinical Hospital St. Zinaida", Communal non-profit enterprise of the region council "Sumy Region Clinical Hospital", Communal non-profit enterprise of the region council "Sumy Region Clinical for War Veterans", SSU Clinic

11.2 Information and methodical support

Essential Reading	
1	Harrison's Principles of Internal Medicine [Електронний ресурс]. Vol.1. — 21st ed. — New York : McGraw Hill, 2022. — 3855 p.
Supplemental Reading	
1	Methodical instructions for practical exercises in the discipline «Nursing» / compilers: G.A. Sumtsov, S. I. Bokova. – Sumy : Sumy State University, 2020. – 30 p.
2	General patient care and medical manipulation techniques, University I-III years - 7th ed., Corrected. For order. V. I. Litvinenko., K.: Medicine, 2017. - 424 p.
3	Demikhova N., Chernatska O., Mazur T., Bokova S. et al. Markers of cardiovascular complications in patients with type 2 diabetes mellitus and arterial hypertension. Bangladesh Journal of Medical Science. - 2018.
4	Methodical instructions for practical lessons on the topic «Fundamental skill soft patient care. Algorithms» on the discipline «Care of patients of the therapeutic profile» / compilers: T. M. Rudenko, S. I. Bokova. – Sumy : Sumy State University, 2022. – 38 p.
Web-based and electronic resources	
1	https://elearning.sumdu.edu.ua/works/6906/nodes/1816349
2	https://elearning.sumdu.edu.ua/free_content/lectured:585338cfddb689079f6e6cd4762db2bab36d265/20211006053356//index.html
3	https://www.coursera.org/programs/sums-kii-dierzhavonii-universitet-learning-program-b07jd

12. Bases

Bases of practice that will provide professional competencies and practical skills: Communal non-profit enterprise of the region council "Sumy Region Clinical Hospital", Simulation center SRMI, Sumy State University Clinic

13. Policies

13.1 Academic Integrity Policy

Participants must complete all tasks identified in the internship program independently. Reporting

for passing the internship should not contain plagiarism, facts of fabrication, falsification, cheating. During the internship period, manifestations of other types of academic dishonesty determined by the Academic Integrity policy are also unacceptable. If a supervisor reveals violations of academic integrity of students during the practice, he has the right to conduct one of the following actions:

- to reduce by up to 40% points received during the fulfillment of internship assignments;
- to give recommendations for a retake of submitted internship assignments with a decrease by up to 25% of received points;
- do not count the results of the internship without giving the right to revise them;
- appoint a retake with a decrease by up to 15% of received points;
- refuse to retake of internship

13.2 Політика щодо використання інструментів штучного інтелекту при виконанні завдань

Політика використання інструментів штучного інтелекту (ChatGPT, Tome тощо) оголошується викладачем на початку курсу.

It is prohibited to use artificial intelligence tools to prepare assignments specified in the syllabus and regulations of the academic discipline.

Несанкціоноване використання інструментів штучного інтелекту є порушенням академічної доброчесності.

13.3 Політика щодо використання матеріалів з джерел відкритого доступу

When students use materials from open access sources to prepare work specified in the syllabus and regulations of the academic discipline, they must comply with the terms of Creative Commons licenses for the use of copyrighted materials.

13.4 Attendance policy

Attendance to the internship base is mandatory. Supervisors from an enterprise (organization, institution) determine a student's schedule of stay at the internship base. All missed classes must be completed with a positive grade

13.5 Deadline and recompilation policy

Current grades and missed classes are added to the differentiated credit. A student who scored less than 72 points for the current educational activity has unworked points the class retry the relevant topics in the days allocated by the teacher. In case of unsatisfactory result, the student has the right to retake the differentiated assessment twice.

13.6 Assessment appeals policy

The results of the internship assessment are subject to appeal. For this, a student must submit a request to a director/dean on the day of certification or after announcing the results, but no later than the next working day.

An appeal commission is established by the order of a director/dean. The appeal commission's decision may change the grade in the event of violations revealed during the attestation.

COURSE DESCRIPTOR