

MINISTRY OF HEALTH OF UKRAINE
BUKOVINIAN STATE MEDICAL UNIVERSITY

"APPROVE"

Vice-rector for scientific and pedagogical work
Associate Professor  I.V. Gerush
" 28 " 08 2021

**STUDENT GUIDE
(SYLLABUS)
of studying the discipline
(elective course)**

Palliative and Hospice Care

Field of knowledge 22 Healthcare
(code and name of the field of knowledge)

Specialty 222 Medicine
(code and name of the specialty)

Educational degree master
(master, bachelor, junior bachelor)

Educational year VI


Form of study full-time
(full-time, part-time, distance)

Department Department of Phthisiology and Pulmonology
(name of the department)

Approved at the methodical session of the department of Phthisiology and Pulmonology
"25" of June 2021 (Protocol № 12).

Head of the Department  L.D. Todoriko
(signature)

Approved by the subject methodical commission on Therapeutic disciplines
"29" of June 2021 (Protocol № 13).

Chairman of the subject methodical
commission  V.K. Taschuk
(signature)

Chernivtsi -- 2021

1. GENERAL INFORMATION ABOUT SCIENTIFIC AND PEDAGOGICAL WORKERS WHO TEACH THE SUBJECT

Department	Department of Phthisiology and Pulmonology
Surname, name of scientific and pedagogical staff, scientific degree, academic status	- Yeremenchuk Inha - PhD, Assistant Professor - Semianiv Ihor – PhD, Assistant Professor - Pidverbetska Olena – PhD, Assistant Professor
Web page of the department on the official website of the university	https://www.bsmu.edu.ua/ftiziatriyi-ta-pulmonologiyi/
Department website	http://kfp.bsmu.edu.ua/
E-mail	pulmonology@bsmu.edu.ua
Address	Ukraine, 58000, Chernivtsi, I. Bohuna, 18 str.
Contact phone	(0372) 55-53-80

2. GENERAL INFORMATION ABOUT THE DISCIPLINE

Status of the discipline	normative
Number of credits	3
Total amount of hours	90
Lectures	-
Practical lessons	30
Individual work	60
Type of final control	Credit

3. DESCRIPTION OF THE DISCIPLINE (ABSTRACT)

"Palliative and Hospice Care" is a clinical discipline, during the study of which students learn basic theoretical knowledge and practical approaches to determining the category of patients who need palliative and hospice care, mastering the basics of palliative care in Ukraine and the principles of work as part of a multidisciplinary team for palliative care, approaches to management and treatment regimens of palliative patients with various diseases and pathological conditions as well as the basics of ethical and moral principles when working with this category of patients. Assimilation of theoretical material is accompanied by the acquisition of appropriate integrated, general and professional competencies.

4. POLICY OF THE SUBJECT

4.1. List of normative documents:

- Regulations on the organization of the educational process (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/polozhennya-pro-organizacziyu-osvitnogo-proczesu-u-vdnzu-bukovinskij-derzhavnij-medichnij-universitet.pdf>);
- Instructions for assessing the educational activities of BSMU students in the implementation of the European credit transfer system of the educational process (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/bdmu-instrukcziya-shhodo-oczinyuvannya-%D1%94kts-2014-3.pdf>);
- Regulations on the procedure for reworking missed and uncredited classes (<https://www.bsmu.edu.ua/wp-content/uploads/2019/12/reworks.pdf>);
- Regulations on the appeal of the results of the final control of knowledge of higher education (<https://www.bsmu.edu.ua/wp-content/uploads/2020/07/polozhennya-pro-apelyacziyu-rezultativ-pidsumkovogo-kontrolyu-znan.pdf>);
- Codex of Academic Integrity (https://www.bsmu.edu.ua/wp-content/uploads/2019/12/kodeks_academic_faith.pdf);
- Moral and ethical codex of students (https://www.bsmu.edu.ua/wp-content/uploads/2019/12/ethics_code.docx);
- Regulations on the prevention and detection of academic plagiarism (<https://www.bsmu.edu.ua/wp-content/uploads/2019/12/antiplagiat-1.pdf>);

- Regulations on the procedure and conditions for students to choose elective courses (https://www.bsmu.edu.ua/wp-content/uploads/2020/04/nakaz_polozhennyh_vybirkovi_dyscypliny_2020.pdf);
- Rules of internal labor regulations of the Higher State Educational Institution of Ukraine "Bucovynian State Medical University" (<https://www.bsmu.edu.ua/wp-content/uploads/2020/03/17.1-bdmu-kolektivnij-dogovir-dodatok.doc>).

4.2. Policy on adherence to the principles of academic integrity of higher education students:

- independent performance of educational tasks of current and final controls without the use of external sources of information;
- cheating during control of knowledge is prohibited;
- independent performance of individual tasks and correct registration of references to sources of information in case of borrowing of ideas, statements, information.

4.3. Policy on adherence to the principles and norms of ethics and deontology by higher education students:

- actions in professional and educational situations from the standpoint of academic integrity and professional ethics and deontology;
- compliance with the rules of internal regulations of the university, to be tolerant, friendly and balanced in communication with students and teachers, medical staff of health care institutions;
- awareness of the importance of examples of human behavior in accordance with the norms of academic integrity and medical ethics.

4.4. Attendance policy for higher education students:

- attendance at all training sessions (lectures, practical classes, final modular control) is mandatory for the purpose of current and final assessment of knowledge (except for respectable reasons).

4.5. Deadline policy and completion of missed or uncredited classes by higher education students:

- reworks of missed classes are held according to the schedule of missed or uncredited classes and consultations.

5. PRECISIONS AND POST-REQUIREMENTS OF THE EDUCATIONAL DISCIPLINE (INTERDISCIPLINARY RELATIONS)

List of disciplines, on which the study of academic discipline is based	List of academic disciplines, for which the basis is laid as a result of studying the discipline
Human anatomy	General practice (family medicine)
Physiology	Internal Medicine
Pathophysiology	Oncology
Pathological anatomy	Infectious diseases (including tuberculosis)
Clinical pharmacology	Surgery
Oncology	
Tuberculosis	
Infectious diseases	
Internal Medicine	

6. PURPOSE AND TASKS OF THE EDUCATIONAL DISCIPLINE:

6.1. The purpose of teaching the discipline is to acquire and deepen knowledge, skills and abilities, mastering the competencies necessary in the professional activity of a doctor to provide comprehensive palliative (including hospice) care to patients who meet the criteria for determining a patient in need of palliative care.

6.2. The main tasks of studying the discipline are:

- to form students' understanding of the concept, mastering the principles of organization and provision of palliative and hospice care to patients;
- to form students' skills and abilities to identify patients in need of palliative and hospice care;
- to form students' skills in assessing the quality of life of patients in need of palliative and hospice care;
- to form students' understanding and skills of applying the syndromic approach in palliative medicine;
- to form the ability in students to use step therapy of pain in patients;
- to form in students skills of management of incurable patients with tuberculosis, AIDS, co-infection HIV-infection / tuberculosis;
- to promote the acquisition by students of skills of application of psychological, ethical, social and religious aspects of palliative medicine.

7. COMPETENCIES, THE FORMATION OF WHICH IS CONTRIBUTED BY THE DISCIPLINE:

7.1. Integral competence:

- an ability to solve typical and complex specialized tasks and practical problems in professional activity in the field of the health care or in the process of training, which involves research and/or innovation and is characterized by the complexity and uncertainty of conditions and requirements;

7.2. General competencies:

- The ability to act socially responsibly and consciously.

7.3. Professional (special) competencies:

- The ability to determine the required mode of work and rest in the treatment of diseases.

8. RESULTS OF STUDYING THE DISCIPLINE.

As a result of studying the discipline student must:

8.1. Know:

- concepts and types of palliative care;
- criteria for identifying a patient in need of palliative care;
- methods of assessing the quality of life of palliative patients;
- main tasks, components and principles of palliative care;
- the principle of multidisciplinary in the organization of palliative and hospice care;
- organizational forms of palliative care;
- structure, functions, tasks of the hospice;
- basics of syndromic approach in palliative medicine;
- symptomatic treatment of the most frequent disorders of the gastrointestinal tract, respiratory system, urinary system;
- symptomatic treatment of certain mental and neurological disorders in palliative patients;
- tactics of management of patients with chronic pain syndrome;
- principles of palliative care for patients with tuberculosis, AIDS, HIV / tuberculosis;
- palliative care for patients with lesions of the skin and mucous membranes;
- ethical, moral and psychological foundations of palliative care for dying patients;
- algorithm of resuscitation measures;
- diagnosis and emergency care for acute heart failure, pulmonary hemorrhage, acute respiratory failure, pulmonary embolism.

8.2. Be able to:

- identify patients in need of palliative and hospice care;
- assess the quality of life of palliative patients;
- determine the need to involve specialists in various specialties in a multidisciplinary team in the organization of palliative and hospice care;

- identify symptoms and syndromes that require medical and non-medical correction in the provision of palliative care;
- prescribe symptomatic treatment of the most common disorders of the gastrointestinal tract, respiratory system, urinary system;
- prescribe symptomatic treatment of certain mental and neurological disorders in palliative patients;
- prescribe symptomatic treatment to patients with chronic pain;
- draw up a plan for providing palliative care to patients with tuberculosis, AIDS, HIV / tuberculosis;
- prescribe palliative treatment to patients with lesions of the skin and mucous membranes;
- apply ethical, moral and psychological principles of palliative care to dying patients;
- carry out resuscitation measures;
- diagnose and provide emergency care for acute heart failure, pulmonary hemorrhage, acute respiratory failure, pulmonary embolism.

8.3. Demonstrate:

- skills in using quality of life palliative care questionnaires;
- skills of work as a member of a multidisciplinary team in the organization of palliative and hospice care;
- skills of application of the syndromic approach to treatment of palliative patients;
- skills of developing a plan for palliative care for patients with chronic progressive incurable diseases;
- application of ethical, moral and psychological bases of providing palliative care to dying patients;
- cardiopulmonary resuscitation;
- emergency care for acute heart failure, pulmonary hemorrhage, acute respiratory failure, pulmonary embolism.

9. INFORMATIONAL SCOPE OF THE DISCIPLINE

90 hours and 3 ECTS credits are allocated for the study of the discipline.

Elective discipline.

The discipline includes 1 module "Palliative and hospice care", which includes 3 content modules.

Content module 1. Fundamentals of palliative medicine.

Topic 1. Basics of palliative and hospice care.

Definition of palliative care and palliative treatment. Types of palliative care. Definition of "palliative patient". Criteria for identifying a patient in need of palliative care. The main groups of palliative patients.

The concept of life-threatening disease and life-limiting disease.

The concept of quality of life of the patient in the terminal stage of chronic incurable disease.

Clinical approaches and methods for assessing the quality of life of palliative patients

The main tasks, components and principles of palliative care. Methodological bases of palliative care.

Fundamentals of palliative care organization.

The principle of a multidisciplinary team in the organization of palliative care.

Organizational forms of palliative care. Palliative care facilities. Typical structure and functions of a hospice. Hospice care.

Regulations of palliative and hospice care in Ukraine. Ethical principles of palliative care.

Features of palliative care for children.

Content module 2. Syndromic approach to palliative care.

Topic 2. Management of the main clinical symptoms and syndromes of incurable diseases in the terminal stage.

The principle of the syndromic approach in palliative medicine. Symptomatic treatment of chronic progressive non-oncological (including orphan) and oncological diseases.

Symptomatic treatment of disorders of the gastrointestinal tract: anorexia/cachexia, dysphagia, nausea, vomiting, diarrhea, constipation, hiccups, ascites.

Symptomatic treatment of respiratory disorders: shortness of breath, cough, hemoptysis.

Symptomatic treatment of urogenital disorders: urinary incontinence, urinary retention, bladder spasm.

Symptomatic treatment of mental and neurological disorders: sleep disorders, depression, convulsions.

Palliative care for bedsores and prevention of their formation. Management of palliative patients with prolonged intoxication.

Topic 3. Palliative and hospice care for patients with chronic pain.

Pathogenetic bases of chronic pain syndrome.

Classification (types) of chronic pain. Principles of the WHO Cancer Pain Relief Program. Classes of drugs and pharmacological drugs for analgesia in chronic pain in oncology.

Levels of analgesia in palliative oncology according to WHO recommendations. Principles of treatment of chronic pain with opioid analgesics. Adjuvant (additional, adjuvant) pharmacotherapy of chronic pain. Management of patients with pain in bone lesions.

Patients' access to pharmacological anesthesia.

Topic 4. Palliative and hospice care for patients with tuberculosis, AIDS, HIV/tuberculosis co-infection.

Indications for cessation of etiotropic treatment of patients with tuberculosis and palliative care.

Algorithm for providing palliative care to patients with pulmonary tuberculosis. Features of care for patients with drug resistant forms of tuberculosis.

Palliative and hospice care for AIDS patients. Pharmacological care and care for AIDS patients with lesions of the skin and mucous membranes, itchy skin.

Management of incurable patients with HIV/tuberculosis co-infection.

Content module 3. Palliative care at the end of life.

Topic 5. Palliative care in the terminal period of life. Emergencies in palliative medicine.

Ethical, moral and psychological foundations of palliative care in the last days of life. Preagonal state. Agony. Clinical death. Resuscitation measures in palliative medicine.

Urgent conditions of palliative patients.

Diagnosis and emergency care for acute heart failure, pulmonary hemorrhage, acute respiratory failure, pulmonary embolism.

10. STRUCTURE OF EDUCATIONAL DISCIPLINE

Names of content modules and topics	Amount of hours				
	Total	including			
		Classroom		Individual work	Independent students' work
Lectures	Practicals				
1	2	3	4	5	6
Module 1.					
Content module 1. <i>Fundamentals of palliative medicine</i>					
Topic 1. Basics of palliative and hospice care	18	–	6	–	12
Total on the content module 1	18	–	6	–	12
Content module 2. <i>Syndromic approach to palliative care</i>					
Topic 2. Management of the main clinical symptoms and syndromes of incurable diseases in the terminal stage.	18	–	6	–	12
Topic 3. Palliative and hospice care for patients with chronic pain.	18	–	6	–	12
Topic 4. Palliative and hospice care for patients with tuberculosis, AIDS, HIV/tuberculosis co-infection	18	–	6	–	12
Total on the content module 2	54	–	18	–	36
Content module 3. <i>Palliative care in the terminal period of life</i>					
Topic 5. Palliative care in the terminal period of life. Emergencies in palliative medicine.	18	–	6	–	12
Total on the content module 3	18	–	6	–	12
Individual work (if present)	–	–	–	–	–
TOTAL HOURS	90	–	30	–	60

11. THEMATIC PLAN OF LECTURES

№	Name of topic	Amount of hours
-	-	-

12. THEMATIC PLAN OF PRACTICAL CLASSES

№	Name of topic	Amount of hours
1	Basics of palliative and hospice care	6
2	Management of the main clinical symptoms and syndromes of incurable diseases in the terminal stage	6
3	Palliative and hospice care for patients with chronic pain	6
4	Palliative and hospice care for patients with tuberculosis, AIDS, HIV/tuberculosis co-infection	6
5	Palliative care in the terminal period of life. Emergencies in palliative medicine	6
	Total	30

13. THEMATIC PLAN OF INDIVIDUAL WORK

№	Name of topic	Amount of hours
1.	Preparation for practical classes - theoretical training and mastering of practical skills	60
Total		60

14. LIST OF INDIVIDUAL TASKS (*if provided*)

Individual tasks are not provided by the program.

15. METHODS AND FORMS OF IMPLEMENTATION OF THE CONTROL

Forms of control and assessment system are carried out in accordance with the requirements of the discipline program and "Instructions for assessing the educational activities of BSMU students in the implementation of the European credit transfer system of the educational process".

Control of the initial level of knowledge is conducted on the first practical lesson by solving 60 computer tests.

Current control is carried out at each practical lesson in accordance with the specific objectives of the topic. The control of the knowledge, abilities, practical skills acquired by students is carried out by means of testing, practical cases solving, the description of radiographs, spiograms, oral answering.

The credit is carried out upon completion of the study of all topics of the module by assessing the student's mastery of educational material in the discipline on the basis of the results of the program provided for work in practical classes.

Students who have fully attended the classroom classes in the discipline that are provided by the curriculum, and scored a number of points not less than the minimum during the study of the relevant module are allowed to the credit. A student who has not completed all types of work provided for in the curriculum, for good reason, adjustments are made to the individual curriculum and are allowed to work off academic debt until a certain date. For students who missed classes without good reason, the decision to complete them is made individually by the dean of the faculty.

The maximum number of points that a student can score when studying the discipline for the current educational activity - **200 points**.

16. EVALUATION OF THE LEVEL OF STUDENT TRAINING IN THE DISCIPLINE

The grade for the module is determined on the basis of the sum of grades of current educational activity (in points) and the grade of final module control (in points), which is set when assessment of theoretical knowledge and practical skills according to the lists defined by the discipline program is made.

The form of final control of academic success in the discipline "Actual issues of Pulmonology" is a credit.

Credit is a form of final control, which consists in assessing the student's mastery of educational material in a particular discipline solely on the basis of the results of his performance of certain types of work in practical, seminar or laboratory classes. Semester credit is planned in the absence of modular control, exam and does not require the presence of students.

The grade for the module is determined on the basis of the sum of grades of current educational activity (in points), which are set when assessing theoretical knowledge and practical skills in accordance with the lists defined by the program of the discipline.

Current control is carried out at each practical lesson in accordance with the specific objectives of each topic. When evaluating students' learning activities, it is necessary to give preference to standardized methods of control: solving questions and tasks for self-control, testing, solving situational problems, taking into account the conditions that are as close as possible to the real ones.

The current assessment of students' knowledge on the relevant topics is carried out on practical classes according to the traditional 4-point system (excellent, good, satisfactory, unsatisfactory) with subsequent conversion into a multi-point scale.

The grade "**excellent**" is given in the case when the student fully knows the content of the lesson and lecture material, illustrates the answers with various examples; gives comprehensively accurate and clear answers without any leading questions; spreads the material without errors and inaccuracies; freely solves problems and performs practical tasks of varying complexity.

The grade "**good**" is given when the student knows the content of the lesson and understands it well, answers the questions correctly, consistently and systematically, but they are not exhaustive, although the student answers additional questions without errors; solves all problems and performs practical tasks, but has difficulties only in the most severe cases.

The grade "**satisfactory**" is given to the student on the basis of his knowledge of the whole content of the lesson and with a satisfactory level of his understanding. The student is able to solve modified (simplified) problems with the help of leading questions; solves problems and performs practical skills, experiencing difficulties in simple cases; is not able to state the answer on his own systematically, but answers directly asked questions correctly.

The grade "**unsatisfactory**" is given in cases when the student's knowledge and skills do not meet the requirements of "satisfactory" grade.

Distribution of points assigned to students

Number of module number of study hours / number of credits ECTS	Number of content modules, their numbers	Number of practical classes	Conversion into point of the traditional scale				Scores for individual task	Minimum score *
			Traditional scale					
			"5"	"4"	"3"	"2"		
Module 1 90/3,0	3 (№№ 1-3)	5	40	32	24	0	0	120

The weight of each topic within one module is the same.

Forms of assessment of current educational activities should be standardized and include control of theoretical and practical skills. The final score for the current activity is recognized as the arithmetic sum of the scores for each lesson.

The maximum number of points that a student can score for the current activity during the study of the module is **200 points**. It is calculated by multiplying the number of points corresponding to the grade "5" by the number of topics in the (**4 classes × 40 points**).

The minimum number of points that a student must score for the current activity during the study of the module is calculated by multiplying the number of points corresponding to "3" by the number of topics in the module and is **120 points (5 classes × 24 points)**. **Obtaining the minimum number of points per module is a prerequisite for grading "passed"**.

Assessment of students' independent work

Students' independent work, which is provided by the topic of the lesson along with the classroom work, is assessed during the current control of the topic in the relevant lesson.

ASSESSMENT OF THE DISCIPLINE

The results of the credit are evaluated on a two-point scale: "**credited**", "**not credited**".

Assessment for the module and assessment for the discipline is defined as the sum of assessments of current educational activities (in points), which are displayed at each practical lesson on the relevant topic.

The student receives a grade of "**credited**" if he has completed all types of work provided for in the working curriculum of the discipline, attended all classes defined by the thematic plan of the discipline (if there are gaps - reworked them in time) and scored a score **not less than 120 points**.

The student receives a grade of "**not credited**" if the student has unfinished absences from classes (practical) and the number of points for the current control is less than the minimum.

The dean of the faculty issues a referral to the student who received a grade of "not credited" to eliminate academic debt in the discipline.

Rework of classes and increasing of points by students according to the direction of the dean's office should take place in the prescribed manner during the work on the schedule of the department. After completing the missed classes, the dean's office must give the student a test sheet, in which the teacher makes a credit mark.

Obtaining a grade "credited" from semester disciplines, the teaching of which ends with a credit, is a prerequisite for the transfer of the student to the next semester (year) of study.

17. RECOMMENDED LITERATURE

Auxillary

1. Palliative care in TB/HIV co-infection: students' manual / O. S. Shevchenko, V. M. Kozko, L. D. Todoriko et al. – Kharkiv : KNMU, 2019. – 76 p.
2. Guidelines on the management of chronic pain in children. WHO. 2020. 56p.
3. Palliative care for noncommunicable diseases: a global snapshot 2020. WHO. 2020. 4 p.
4. Integrating palliative care and symptom relief into primary health care: a WHO guide for planners, implementers and managers. WHO. 2018. 79 p.
5. WHO guidelines for the pharmacological and radiotherapeutic management of cancer pain in adults and adolescents. WHO. 2018. 142 p.

Information resources

1. www.moodle.bsmu.ua
2. <https://www.who.int/health-topics/palliative-care>
3. <https://youtu.be/DdU5aa0izXo>

20. COMPILERS OF THE STUDENT HANDBOOK (SYLLABUS)

1. Todoriko Liliia Dmytrivna – MD, Professor.
2. Pidverbetska Olena Valeriivna – PhD, Assistant.