

LVIV NATIONAL MEDICAL UNIVERSITY  
NAMED AFTER DANYLO HALYTSKY

General Surgery Unit

**ASSERTED**

first Vice – rector of scientific –  
pedagogical work

professor Mechyslav Grzegotsky

\_\_\_\_\_ 201\_\_year

**WORKING PROGRAM OF ACADEMIC DISCIPLINE**

**Introductory medical practice**

(name of academic discipline)

**Specialty 7.12020101 “Pharmacy”**

(cipher and name of specialty)

pharmaceutical faculty, II course

(name of faculty)

Discussed and taken  
on the meeting of General  
Surgery Unit  
Protocol N  
for \_\_\_\_\_ 201\_\_year  
Head of Unit  
prof. ANDRIUSCHENKO V.

Approved by  
profile methodical commission  
of surgical disciplines  
Protocol N  
for \_\_\_\_\_ 201\_\_year  
Head of profile methodical  
commission - prof. ANDRIUSCHENKO V.

\_\_\_\_\_

\_\_\_\_\_

## **EXPLANATORY NOTE**

Geneva Convention on Human Rights defines human life as highest value. At the same time, abilities and skills in the care of surgical patients and providing them first aid to save or preserve the life of not only confirm the good tone of modern human, but are treated as an integral part of quality education. Modern pharmaceutical specialist with higher medical education should be fully developed and high – erudite person who can continually improve his/her skills, have the basic knowledge, techniques, skills that allows for prevention, diagnosis and treatment of different diseases, not only, but also somatic pathological conditions that can threaten the life, health and human efficiency.

In addition, the pharmacist must have a certain amount of knowledge and skills to identify pathology in urgent therapeutic and surgical conditions, provide first aid, the amount of which will ensure the preservation and maintenance of life till specialized care, learn the full scope of knowledge and skills from the first medical aid to ensure favorable course of further specialized care, remembering the great responsibility of the physician by the patients life.

The program of “Introductory medical practice” is based on industry standards for higher education (ISHE) of Ukraine, approved by the Decree of the Ministry of education and science of Ukraine N 929 from 7.12. 2009, and implemented in accordance with the Law of Ukraine “On higher education” from 17.01.02, resolutions of the Cabinet of Ministers of Ukraine from 20.01.98 N 65 on stage of higher education and from 07.08.98 N 1247 on state of standards of higher education, the order of Ministry of Health of Ukraine 31.07.8 N 285 on the requirements of state standards, the order of the Ministry of Health of Ukraine of 24.02.2000 N 35 on the features stage education in medical and pharmaceutical direction.

Therefore, rational, according to the position of Chair, is usage of current global achievements in the field of training of doctors and paramedics to patients for care of skills – elaborated by global medical community algorithms, rules and actions for the patients care of high efficiency, which is time – tested and confirmed by good results.

## DESCRIPTON AND STRUCTURE OF INTRODUCTORY

### MEDICAL PRACTICE

Structure of **Introductory medical practice** for students of 2-nd course of specialty “Pharmacy” (daily form) (in winter period):

<b>Name of practice</b>	<b>Amount of weeks</b>	<b>Amount of credits/hours</b>	<b>Year of training/semester</b>	<b>Type of control</b>
<b>Introductory medical practice</b>	1	1,5 credits/45 hours	II course/III semester	Differential credit

### THE PURPOSE AND TASKS OF PRACTICE

The goal of introductory medical practice is fixing of knowledge and practical skills, taken during study of discipline “First medical aid”, formation and development in students of professional ability to take independent solutions in the field of giving of urgent medical aid.

The main tasks of introductory medical practice are: to see a work and structure of organization of health care institution, to fix and improve of theoretical knowledge and master of practical skills of patients care, to learn to evaluate and control of vital functions of patients organism, to see different techniques of medical procedures.

During study of discipline students learn a structure and work of the hospital and its structural units, with rules of patients care, with technique of different medical procedures and manipulations, set of drugs to providing of the first aid of urgent states and get practical skills of care for severe patients, applying of different bandages, evaluation of the patients functional status.

### Thematic plan of practice

N in order	Topics	Amount of hours
1.	Peculiarities of organization of patients care in surgical department	6
2.	Asepsis and Antisepsis	6
3.	Surgical manipulations, surgical operation, care for patients after operation	6
4.	CPR (cardio – pulmonary resuscitation)	6
5.	Dressings [Desmurgy]. Differential credit	6 (4 + 2)

## CONTENT OF PRACTICE

	Name of ability, practical skill	
1.	To be able to prepare appropriate disinfective (sanitizer) solution and carry out sanitary processing of bedside tables and sills in the ward, carry out wet cleaning of procedure room.	3-4-5
2.	To be able determine body temperature of patient and make temperature card.	3-4-5
3.	To be able to exam of patient on availability of scabies and head lice.	3-4-5
4.	To be able to carry out determination of the patients height in standing position, sitting position, determine weight of body and calculate of index of the body mass.	3-4-5
5.	To prepare hygienic bath to sanitary processing of patient and to carry out it disinfection after usage.	3-4-5
6.	To be able to transport of the patient on stretchers and shift him on the bed.	3-4-5
7.	To be able to use functional bed and provide related positions in attack of dyspnoe and collapse.	3-4-5
8.	To explore of the patients pulse on radial arteries, to make conclusion about it main properties.	3-4-5
8.	To determine of the patients pulse on the lower extremities and make conclusion about it compliance to norm.	3-4-5
9.	To determine of the patients blood pressure, make conclusion about it compliance to norm.	3-4-5
10.	To carry out research of breathing of indicative patient, make conclusion about main it properties.	3-4-5
11.	On temperature card to note proposed by head of practice indexes of pulse, blood pressure, body temperature, to make conclusion about its compliance to norm and about type of temperature scale.	3-4-5
12.	To carry out change of the patients body and bed linen, who is on the bed regimen.	3-4-5
13.	To be able to instill the drops to ears, nose, eyes.	3-4-5
14.	To be able to carry out feeding of the lying patient.	3-4-5
15.	To be able to prepare necessary means and to carry out prophylaxis of decubitus.	3-4-5
16.	To be able to prepare necessary equipment for cleaning enema (to demonstrate its technique on the dummy)	3-4-5
17.	To be able to carry out CPR (cardio- pulmonary resuscitation).	3-4-5
18.	To be able to use bedpan and bag for accumulation of	3-4-5

	urine.	
19.	To be able to prepare necessary means and to carry out hygiene of oral cavity, nose and ears of severe patient.	3-4-5
20.	To be able to prepare operational linen and material for dressings to further sterilization.	3-4-5
21.	To be able to ask a patient about his complaints. To be able to allocate general complaints of the patient.	3-4-5
22.	To know principles and to see technique of making of injections. To know to make its on phantoms.	3-4-5
23.	To know to prepare and to use of the rubber heater and bag for ice.	3-4-5
24.	To know to apply a main kinds of bandages.	3-4-5
	Together	72-120

Maximal mark for performing of practical skill is – 5 points:

- Performed without mistakes - 5 points;
- Performed with minor mistakes, corrected by this student – 4 points;
  - Performed with mistakes, corrected by teacher – 3 points;
  - Not performed – 0 points.

## METHODS OF CONTROL

Introductory medical practice estimates in according to traditional (4- points) and 200 – points scales. Mark for practice consists of sum of points for performing by student of practical skills, that checked by direct Head of practice base (maximal amount – 120 points, minimal – 72 points), and points for final control, that notes during differential credit (maximal amount – 80 points, minimal – 50 points).

During differential credit teacher takes into account the level of knowledge of questions from group “ The list of questions that submitted on differential credit”.

The points of this discipline convert independently as to scale ECTS as to 4 – points scale. Points of ECTS scale don't convert to 4 – points scale and opposite.

Points of students, who study for this specialty, range for ECTS scale as on the table:

Mark of ECTS	Statistic index
A	Best 10% students
B	Next 25% students
C	Next 30% students
D	Next 25% students
E	Last 10%

Ranging with giving of marks “A”, “B”, “C”, “D”, “E” carries out for students of this course who study for one specialty and finished learning of discipline.

Points for practice for students who finished program successfully – convert into traditional 4- points scale for absolute criterions.

Points of discipline	Mark for 4 – points scale
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to minimal amount of points, which student must to take (120 points)	3
Lower than minimal amount of points, which student must to get	2

### **THE LIST OF QUESTIONS THAT SUBMITTED ON DIFFERENTIAL CREDIT**

1. Determination of the patient temperature and making of temperature card.
2. Patients observation on availability of head lice and scabies.
3. Methods of the patients transportation.
4. Usage of functional bed and providing of appropriate positions to patients in cases of dyspnoe and collapse.

5. Determination of pulse on radial arteries, conclusion about its main properties.
6. Determination of pulse on the lower extremities, conclusion about its main properties.
7. Measurements of the blood pressure, conclusion about its compliance to norm.
8. Exploration of breathing in indicative patient, conclusion about its properties.
9. On temperature card note proposed by teacher indexes of the pulse, blood pressure, body temperature, to make conclusion about its compliance to norm and about type of temperature card.
10. Change of the patient's body and bed linen who is on bed regimen.
11. Main kinds of the drugs introduction.
12. To prepare necessary solutions and to demonstrate rules of behavior with disposable syringe before and after its usage.
13. To demonstrate the method of the rubber heater and bag with ice preparation and use them.
14. Methods of the lying patient's feeding.
15. To prepare necessary equipment to cleaning enema, technique its usage on phantom.
16. To prepare necessary means and to carry out hygiene of oral cavity, nose and ears of severe patient.
17. To prepare necessary means and to carry out prophylaxis of decubitus.
18. To demonstrate the technique of resuscitation measures (artificial ventilation of lungs, indirect cardiac massage) on phantom.
19. To explain principles of making of injections. To be able to perform them on phantom.
20. To demonstrate method of operational linen dressing.
21. To demonstrate method of napkins, tampons, swabs preparation for surgical patient care and rules of its disposal after usage.
22. To show process of applying of bandages on different parts of the body.
23. To prepare surgical instruments to sterilization.
24. To carry out tests on quality of presterilization processing of surgical instruments.



## SAMPLE OF THE PRACTICE DIARY, METHODOICAL RECOMMENDATIONS

### DIARY

of Introductory medical practice

of student \_\_\_\_\_

II course pharmaceutical faculty, \_\_\_\_group

Base of practice \_\_\_\_\_

Head of practice (of base of practice) \_\_\_\_\_

Head of practice (from Medical University) \_\_\_\_\_

N in order	The list of practical skills	Points	Signature of direct Head of practice (of base of practice)
1.	Worked in surgical department. Determined body temperature of 5 patients, distributed medications. Fed severe patient. Determined blood pressure in admittance department with further registration. Mastered of technique of preoperational processing of surgeons hands in operational block.	24	

	The sum for learning of practical skills (72 – 120 points)		
	Final control of practical skills, differential credit (50 – 80 points)		Signature of the Head (from University)

**Amount of points for practical skills confirms by stamp of hospital**

<b>Mark for practice</b>	<b>Points (200 – points scale)</b>	<b>Mark (4 – points scale)</b>	<b>Signature of Head of practice (from University)</b>
Introductory medical practice			

## **RECOMMENDED LITERATURE**

### BASIC:

1. Barbara Kozier, Glenora Erb. Fundamentals of Nursing. Second Edition. Concepts and Procedures. 1982, 1144 p.
2. Kushta Yury, Kushta Orest. Methodical recommendations on topic “Dressings [Desmurgy]” 2006. 32 p.

### ADDITIONAL:

1. Alexandr Butyrsky “General Surgery” 2006.
2. Richard D. Liechty, Robert T. Soper. Synopsis of Surgery. Fourth Edition. 1980. 715 p.