Ministry of Health, Labour and Social Protection of Republic of Moldova

STATE UNIVERSITY OF MEDICINE AND PHARMACY "NICOLAE TESTEMITANU"

Faculty of Pharmacy

Department of SOCIAL PHARMACY "VASILE PROCOPISIN"

INTERNSHIP OF INITIATION IN PHARMACY

Internship program

Learning guide and internship agenda for students of first year, Faculty of Pharmacy

(Last name,	First name of student)
Group	. u.v. 20 -20

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INTERNSHIP OF INITIATION IN PHARMACY

Internship program

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INTERNSHIP AGENDA

Student	Group F year I
Student(last name, first name)	
Place of internship doing	
Place of internship doing	(enterprise name, address)
Period of internship doing	
	(duration – 10 days, 60 hours)
Internship manager from pharmacy	
	(Last name, First name)
(funct	tion)
Internship manager from departmen	nt
Internship manager from departmen	(Last name, First name)
(func	tion)
Sign	nature of internship manager from pharmacy
	S,P pharmacy

I. GENERALITIES

Internship of initiation in pharmacy (at home) represents an initiation of student from I year of study in the content of chosen profession, in community pharmacist's activity and has the applicative role in professional training of future specialist.

The purpose of internship of initiation in pharmacy represents familiarization of student with community pharmacy's activities and to initiate him in future pharmacist activities in community pharmacy.

The main objectives of activity in pharmacy are drugs of any kind and in any form reception, preparation, storage and dispense, according with normative documents in force, as well with internationals standards; dispensing of other parapharmaceutical products registered or authorized by Health, Labour and Social Protection; processing medical prescriptions; monitoring of rational use of drugs and responding to symptoms of minor affections. Based on this, the main task of pharmacy is carrying aut the multilateral pharmaceutical activity in view of providing the opportune and high quality assistance with drugs and parapharmaceutical products to population. For achievement this task pharmacist have to possess not only theoretical knowledge, but also aptitude to perform a series of standard operating procedures, which anticipates the drug dispensing for pacient: : selecting, storing, preparing, checking, receiving, as well and follows the drugs dispensing process: dispensing, counseling, controlled selfmedication, promoting healthy lifestyles etc. In this context, at internship of initiation in pharmacy (at home) future pharmacits will get acquainted with first practical elements of activity in pharmacy, which will be achieved through the program accomplishment and acquiring the practical skills recommended below.

Internship achievement is allowed only for those students who studied and promoted first year in faculty of Pharmacy and who pursuant to medical exam results are admitted for practical activity in pharmaceutical enterprises and institutions.

Internship is este provied for 10 days (60 academic hours) of students activity in pharmacy.

Internship, as part of the study process, is conducted under direct leadership of professor from department of Social Pharmacy "Vasile Procopişin" and of experienced pharmacist, with higher education from pharmaceutical enterprise designated by order by the head - pharmacist.

Student familiarization with pharmacy's activity depends on the degree of involvement of manager of internship from pharmacy in ensuring the conditions of internship doing and offering the opportunity to participate in direct organization process of work in pharmacy. It is obligatory to inform the student on pharmacy's security. Also the student have to get acquainted with security rules and is obligated in their observance during the period of internship doing in pharmacy.

Student's obligations during the internship

- ◆ to be present at pharmacy in period laid down according to established schedule in the first day of internship;
- ♦ to possess special equipment (gown, bonnet, gloves, footwear of exchange);
- ♦ to take knowledge with pharmacy: structure, work program, location, basic task, generale scheme, nomenclature of offered pharmaceutical products; Offering supplementary services (receiving the individual command, pharmacist's consultation etc.);
- ◆ to take knowledge with pharmacy staff, posts in pharmacy and with the activities at every place of work;
- ◆ to take knowledge with security technique at work place in pharmacy, composition of rooms and technical endowment of sections;
- ◆ to take knowledge with the legislative and norming acts that regulate the activity in pharmacy;
- ◆ to participate (at the request of specialists) in pharmacy activities;
- daily to complete the internship report;
- in case of absence from pharmacy by reason of illness or another reason, well argued, to announce the practice manager from department and from pharmacy for establishing the schedule of recovery of absences days;
- to regularly fulfill, with strictness the obligations provided in program of doing internship and to respect the rules of security in pharmacy.

At the end of internship student will be able to:

- to determine the minimum requirements of pharmacy organization;
- to establish the basic directions of pharmacy activity;
- to propose (establish) the organizational structure of pharmacy and work program;
- to organize the respecting requirements of sanitary regime in pharmacy;
- ♦ to organize the keeping requirements of parapharmaceutical products in pharmacy;
- ♦ to apply the principles of dispensing non-prescription drugs and parapharmaceutical products;
- ♦ to familiarize and to apply the basic requirements of dispensing arrangement;
- ◆ to acquire the attributions of auxiliary staff: packager (by case), clean-room workers.

II. STUDENTS ATTRIBUTIONS DURING THE INTERNSHIP

On arrival in pharmacy student personal presents the necessary document for internship at head – pharmacist, who by order designate the internship manager, together draw up the schedule of work time allocation at sectors respectively with indication in report of concrete days.

During the internship students are obligated to respect labor law requirements, in force, regulation of interior orderliness of pharmacy, security technique.

During the internship students participate at work meetings and other activities of pharmacy staff. Daily, the amount of work done it is detailed registered in internship report, which is drawn up and is kept until the end of internship in pharmacy.

III. ALLOCATION OF TIME AT WORK SECTORS

The name of work sectors, activities and practical skills					
 Familiarization with pharmacy. 1.1. Pharmacy's structure; 1.2. Work program; 1.3. Location; 1.4. Basic task; 1.5. General scheme; 1.6. Nomenclature of offered pharmaceutical products; 1.7. Offering supplementary services (receiving the individual command, pharmacist's consultation etc.); 1.8. Pharmacy's staff; 1.9. Security technique at work places in pharmacy. 	12				
 2. Sanitary regime. 2.1 The requirements and respecting sanitary regime; 2.2 The schedule of doing sanitary days; 2.3 Cleaning the rooms and the pharmaceutical equipment; 2.4 Keeping and making inventory destined for cleaning; 2.5 Rights, obligations and work place organization of cleanrooms workers; 2.6 Processing of pharmaceutical equipment; 2.7 Sterilization methods. 	12				

	The name of work sectors, activities and practical skills	Nr. of hours Individual work
3.	 Pharmaceutical regime. 3.1 Familiarization with pharmacist's work organization in section of drug forms preparation; 3.2 Sanitary requirements for drug forms preparation; 3.3 Activity organization at work place of packager; 3.4 Participation at drug forms package and perfecting their dispensing; 3.5 Participation at products receiving from distributors. 	12
4.	 Parapharmaceutical products keeping organization. 4.1 Parapharmaceutical products keeping in pharmacy: made of rubber, materials for bandage, and other materials with medical destination; 4.2 Participation at products receiving from distributors: products release of common package; 4.3 Verification of units and their repatriation according to keeping conditions. 	12
5.	Organization of industrial drug forms section activity. 5.1 The section scheme and functions; 5.2 Organization of work place at patients care products dispensing, materials for bandage, medical optics, cosmetic products etc.; 5.3 Parapharmaceutical products dispensed from this section; their nomenclature; 5.4 Showcases principles in pharmacy; 5.5 Dispensing arrangement (enumeration of leaflets, advertising materials for visitors).	12
	Total	60

Reference objectives and contents units

Object	tives	Contents units
✓	to determine minimum requirements of	Familiarization
	pharmacy organization;	with pharmacy.
✓	to establish basic directions of pharmacy	Sanitary regime.
	activity;	Pharmaceutical
✓	to propose (establish) organizational	regime.
	structure of pharmacy and work program;	Parapharmaceutical
✓	to organize respecting conditions of sanitary	products keeping
	regime in pharmacy;	organization in
✓	to organize parapharmaceutical products	community
	keeping conditions in pharmacy;	pharmacy.
✓	to apply principles of non-prescrition drugs	Organization of
	and parapharmaceutical products dispensing;	industrial drug
✓	to familiarize and to apply basic requirements	forms section
	of dispensing arrangement;	activity.
✓	to acquire the attributions of auxiliary staff	
	and to organize their activity (by case):	
	packager, clean-room workers.	

IV. INFORMATION FOR INTERNSHIP MANAGER FROM PHARMACY

On presentation at internship head- pharmacist designates as internship manager a pharmacist with higher education and with a length of labor at least 5 years. Internship manager will effectuate the control of internship organization and accomplishment by student, will establish the schedule of time allocation to work sectors, will check systematically of drawn schedule achievement, will provide the necessary help at internship program achievement, will check the reports and other documents completed by student on each separate compartment and will make the necessary notes and corrections, signing each program compartment in report.

At the end of internship head - pharmacist signs internship report and applies the stamp of pharmacy. Without authentication of documents given by head - pharmacist, this won't be available and won't serve as proof for the veracity of accomplishment internship in pharmacy at home.

At the end of internship, student will receive *characteristic-reference*, drawn up by the manager of internship from pharmacy, which contains:

- ✓ achievement of work according to internship program;
- ✓ student attitude for practice;
- ✓ relations with pharmacy staff;
- ✓ respect of pharmaceutical deontology and ethics.

Criteria of appreciation the internship of initiation in pharmacy accomplishment by student by manager of internship from pharmacy

Qualify	Criteria
Excellent	Student was been presented according to established schedule at the beginning of internship; presented all necessary documents; completed the internship report daily; carried out all activities according to internship program; studied all effectual legislative and normative acts; established friendly relation with pharmacy staff; was responsible, tenacious, confident and intelligent, in this case he accomplished some responsible activities.
Good	Student was been presented according to established schedule at the beginning of internship; presented all necessary documents; completed the internship report daily; carried out 80% of activities according to internship report program; created a good impression on pharmacy staff, was responsible and interested in

Qualify	Criteria
	chosen profession.
Satisfactory	Student was been presented according to established schedule at the beginning of internship; presented all necessary documents; completed the internship report; carried out 70% of activities according to internship program; pharmacy staff didn't have objections for accomplished activities of student.
Unsatisfac- tory	Student wasn't been presented according to established schedule at the beginning of internship; didn't present all necessary documents; partial completed internship report; carried out less than 50% of activities according to internship program; didn't be interested in framing in the pharmacy staff.

V. THE STUDENT'S INDIVIDUAL WORK

During the internship prevails individual work of student. To make practice program and individual work easier students receive the methodical indication, where is listed all tasks with explanations and legislative and normative acts list for each theme.

Students are urged broadly to use such learning methods as observation, analysis, comparison, classification, schemes elaboration, situations modeling, etc.

For individual activity is recommended the study of supplementary material from compulsory and supplementary bibliographical sources, from available databases through communication networks, the use of legislative and normative regulatory acts of pharmaceutical activity, available materials on pharmacy activity results – the basis.

Nr.	Expected product	Strategies for achieving	Evaluation criteria	Deadline
1	Internship agenda	Tasks set realizing for each activity sector in community pharmacy.	Plenitude and correctness of individual tasks fulfilling, stipulated in methodical recommendations on internship	During the internship

Nr.	Expected product	Strategies for achieving	Evaluation criteria	Deadline
			realizing.	
2	Legislative and normative acts list	Familiarizing with laws and orders and their application in practice with activity field indication that it regulates.	Compliance of normative act with indicated activity field and plenitude of list.	During the internship
3	Pharmacy scheme and functions	Location scheme with indication of all rooms and pharmacy functions listing in accordance with community pharmacy sections.	Correctness of scheme realizing and functions list in accordance with pharmacy sections.	During the internship
4	Listing criteria of storage and products	Listing criteria of storage and keeping in accordance with order requirements and pharmaceutical and parapharmaceutical products listing present in pharmacy at each criteria.	Plenitude and correctness of presented information.	During the internship

VI. LIST OF COMPULSORY PRACTICAL MANIPULATIONS FOR ACCOMPLISHMENT

Day 1-2. 6.1. Familiarization with pharmacy

Task nr.1							
Draw up the	e layout wi	th ind	lication o	of all roc	ms an	ıd with enun	neration of
pharmacy's sections.	functions	in co	orrespon	dence	with	community	pharmacy

Task nr.2 Highlight		pharmacy	and	pharmacist	role	in	the	health	system.
									
Task nr.3		functions o	f nhar	macy's specia	iliete				
			i piiai	macy 3 specie	msts.				
Head-phai	rmaci	ist:							
									
Pharmacis	···								
	····								

Laborant-pharmacist:
Clean-woman:
Other employees:
Task nr.4 List additional pharmaceutical services which are offered in pharmacy in which you spend internship.
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in
List additional pharmaceutical services which are offered in pharmacy in

Task nr.5			
List the pharmaceutical products assortment offered	according	to	the
pharmacological and pharmacotherapeutic action.			

Task nr.0 Highlight security i	the m		npartments	of	technique	Instructions	of	labour
Task nr.?		nents of	evidence re	gist	er of labour	security and	hea	lth.

Day 3-4.

6.2. Sanitary regime in community pharmacy

Task nr.1
List the legislative and normative acts which describe the sanitary regime requirements and analyze the compliance with these rules by pharmacy
staff.
Task nr.2
Study the sanitary Regulation on pharmacy and pharmaceutical deposits
endowment and exploitation (Government Decision Nr. 504 of 12.07.2012)
and describe: - Hygienic requirements for rooms and equipment:
- Hygienic requirements on heating, ventilation, microclimate system from rooms:

- Hygienic requirements on work conditions of staff:
- Sanitary and disinfection regime:
- Water supply and sewerage:
- Hygienic requirements on lighting:
- Requirements to personal hygiene of pharmacy workers:
- Medical examinations for pharmacy employees:

Task nr.3				, .	1		
pharmacy	the tempe of rooms a	ccording	to Order	MS RM	Nr.334 o	of 19.07.1	995 "With
respect to approval of Instruction about sanitary regime in pharmaceutical enterprises and institutions".						maceutical	
Task nr.4							
Describe	the singunt cleaning	-				_	maceutical

workers rights	workers rights, obligations	workers rights, obligations and their	workers rights, obligations and their organization

			_
Task nr.6 Describe the processing procedure of pharmacy in which you spend internship.	pharmaceutical	equipment	in
			_

Day 5-6. 6.3. Pharmaceutical regime

Task nr.1 Indicate the examples of drugs forms which is prepared in pharmacy's manufacturing section where you spend internship: solid (powders, granules, pills) semisolid and soft (suppositories, ointments, liniments, pastes) liquid (solutions, emulsions, gargarisms, mixtures, etc.) liquid forms for parenteral administration: injections and infusions: drops (for eye, ear, nose, for internal use)

Task nr.2
List the drugs forms which is prepared in aseptic condition in pharmacy
where you spend internship.
Task nr.3
List the sanitary requirements to the preparation of non-sterile drugs forms.
Task nr.4
List the special sanitary requirements to the drugs preparation in aseptic
conditions.

Task nr.5 List the types of packaging used for definitization of extemporal drugs forms.
List the types of packaging used for definitization of extemporal drugs forms.

Task nr.6 Describe the your contribution at drugs receipt from the distributor.
0 1

Task nr.7
Indicate the storage places (shop-window or storage in pharmacy) of received products from distributor in pharmacy (write concrete examples).
1
2
3
4
5
6.
7
8
9.
10

Day 7-8 6.4. Organization of parapharmaceutical products keeping

Task nr.1
Describe the drugs and pharmaceutical products storage and keeping rules: from rubber, dressing materials and other materials with medical
destination (Order MS nr.28 of 16.02.2006 "With respect to drugs, other pharmaceutical products and special destination articles keeping").
The second of th

Task nr.2	
	nt of parapharmaceuticale products from rubber which are ere you spend internship. The particularities of keeping
iiciii.	

Task nr.3					_	_
		ng materials			nacy where	you spend
internship a	ind the part	icularities o	f keeping	them.		
		st obligation in pharmac		apnai mace	uucai produ	

Task nr.5	
Describe your contribution at parapharmaceutical products rece	ipt from
distributor.	
Describe the indicators used by pharmacists for evaluation of quality compliance: 1. from rubber:	product
2. dressing materials:	
3. other materials with medical destination:	

Day 9-10

6.5. Organization of industrial pharmaceutical forms section activity

Task nr.1 Elaborate and draw in the form of scheme the section of industrial pharmaceutical forms of pharmacy where you spend internship.	al
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Task nr.2 Present the arranging pharmacy where you spe		pharm	naceutical	forms	section	in
						_
						_
						_
Task nr.3 List the functions of indu	strial drug disp	ensing	section.			
						_
						_

Task nr.4	
Study and ide	ntify the name of products for patient care in pharmacy:
•	
	·
Task nr.5	
	study the assortment of mineral waters in pharmacy. Classify
tnem accordin	ng to composition.
	
	
	

Task nr.6
Inscribe 10 examples of cosmetic products in pharmacy where you spend internship and classify them according to dispensing form:
,
Task nr.7
List the principles of shop-window arranging in pharmacy.
Task nr.8
List the leaflets and advertising materials for pharmacy's visitors. Which is
their aim? Write several examples.

Task nr.7
Effectuate the dispensing scheme of pharmacy where you spend internship. Describe its arranging.
Describe its arranging.

VII. EVIDENCE AND INTERNSHIP REPORT

In first day of internhip, manager of internhip from pharmacy designate by order, togheter with student, taking in consideration the "Schedule of time allocation" and the pharmacy singularity draw up an individual schedule by form:

Individual schedule of internship

Nr.	Name of work sector	Duration in days (data)
1.		
2.		
3.		
4.		
5.		

The entire volume of work carried out is daily registered in Internship report. Report represents a official document, which characterizes work done. Registrations will be done according to this indications, exposed accurately, legibly and will contain own opinion (of student) on the exposed material, thus demonstrating the ability to subdue a profound analysis of concerned issue and expressing it in writing. Report must be kept in pharmacy and be presented at first request of professors from department.

At report will be attached a map with drawn up documents during monitoring of carried aut activities by student.

Daily, internship manage from pharmacy checks student registrations and makes the corresponding notes. At the end of internhip the head-pharmacist signs the report and applies the stamp of the pharmacy.

The entire volume of work carried out during the internship is daily registered in **Internship report** (see model).

Likewise student after internship finishing must draw up and present at colloquium and *internhip record*. Content is shown below.

INTERNSHIP RECORD of student _____ __ group _____ year II (Last name, first name) Pharmacy where internship have been done: _____ Terms of doing internship according to work program: _____ 2. Generalcharacteristic of conditions of doing internship: Content, mode and accomplishment internship program: Internship appreciation: Conclusions at the end of internship and proposals to improve internship: 7. Student signature: _____ Date ____

VIII. SUPPORTING THE COLLOQUIUM

Internship of initiation in pharmacy (at home) finalized with colloquium, which is spent at department, in future semester after preventively established schedule. Final mark of internship is the annual average mark, that consists of oral interview on program acquiring and student individual work during the internship.

As criteria of assessment and acceptance of colloquium at internship will serve the presentation of the internship record, internship report and the satisfactory characteristics – reference.

Absence at colloquium without acceptable reason is registered as "absent" and is equivalent with mark " not attested". Student has the right to 2 repeated supports of unprompted colloquium.

IX. QUESTIONS FOR INDIVIDUAL TRAINING

- 1. Structure, basic tasks and functions of pharmacy.
- 2. Sanitary regime in pharmacy the requirements for rooms and equipment, personal hygiene of employees, cleaning of rooms.
- 3. Functions of production section.
- 4. Functions of pharmaceutical industrial forms section.
- 5. The order of providing pharmaceutical products from pharmacy.
- 6. The provisions of the Code of Ethics of pharmacists in Republic of Moldova.
- 7. Nomenclature of drugs, parapharmaceutical and other products in pharmacy.
- 8. Basic principles of drugs storing and keeping.
- 9. The requirements for showcases arrangement in pharmacy.
- 10. Principles of drugs promoting in pharmacy.

RECOMMENDED BIBLIOGRAPHY:

A. Compulsory:

- 1. Government Decision RM no. 504 of 12th July 2012 for approval "Sanitary regulation on endowment and exploitation of pharmacies and pharmaceutical deposits".
- 2. Law RM No. 1227 of 27.06.1997 "With respect to advertising".
- 3. Law RM No. 1409-XIII of17.12.1997 ",With respect to drugs".
- 4. Law RM No. 1456 of 25.05.1993 "With respect to pharmaceutical activity".
- 5. Law RM No. 552-XV of 18.10.2001 "With respect to assessment and accreditation in health".
- 6. Order HM and SP RM No. 28 of 16.01.2006 "With respect to drugs, other pharmaceutical products and special destination articles keeping".
- 7. Order HM RM No. 334 of 19.07.1995 "With respect to approval of Instruction about sanitary regime in pharmaceutical enterprises and institutions".

B. Additional

- 1. Code of Ethics for pharmacist from Republic of Moldova.
- 2. Decision of Parliament of RM No. 1352-XV of 03.10.2002 on State policy in the field of drug.
- 3. Order HM RM No. 5 of 06.01.2006 "With respect to approval of Regulations-type of pharmaceutical enterprises".
- 4. Order HM RM No. 960 of 01.10.2012 "With respect to prescribing and dispensing drugs mode".
- 5. Order HM RM No. 70 of 03.03.1999 "With respect to pharmaceutical staff training and utilization in Republic of Moldova".
- 6. Order Drug Agency, No. 21 of 12.05.2006 "With respect to the way of elaboration, review and approval of drugs List possible to dispense from pharmacy without prescription".
- 7. Order Drug Agency, No. 67 of 28.12.2006 "Regulation of State Drugs Nomenclature".