



CD 8.5.1 DISCIPLINE CURRICULUM

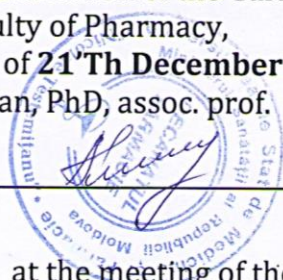
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FACULTY OF PHARMACY
STUDY PROGRAM 0916.1 PHARMACY
CHAIR OF SOCIAL PHARMACY "VASILE PROCOPISIN"

APPROVED

at the meeting of the Commission for Quality Assurance and Evaluation of the Curriculum, Faculty of Pharmacy,
Minutes no. 2 of 21Th December 2017
Chairman, PhD, assoc. prof.

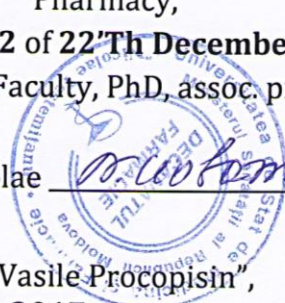
UNCU Livia



APPROVED

at meeting of the Council of the Faculty of Pharmacy,
Minutes no. 2 of 22Th December 2017
Dean of Faculty, PhD, assoc. prof.

CIOBANU Nicolae



APPROVED

at the meeting of the chair of social pharmacy „Vasile Procopisin”,
Minutes no. 3 of 01Th November 2017
Head of chair, PhD, assoc. prof.

BRUMAREL Mihail

SYLLABUS

DISCIPLINE: **INTERNSHIP OF INITIATION IN PHARMACY** (at home) –
(Internship)

Integrated studies

Type of course: **Compulsory discipline**

Chisinau, 2017



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I. INTRODUCTION

- **General presentation of the discipline: place and role of the discipline in the formation of specific competences of the professional/specialty training program**

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.

- **Mission of the curriculum (aim) in professional training**

Internship of initiation in pharmacy (at home) has purpose to familiarize the student with community pharmacy activities and to initiate him in future pharmacist activities in community pharmacy.

- **Languages of training the discipline:** Romanian, English, Russian.
- **Beneficiaries:** students of the 1st year, faculty of Pharmacy, specialty Pharmacy

II. MANAGEMENT OF THE DISCIPLINE

Code of discipline		S.02.O.024	
Name of the discipline		Internship of initiation in pharmacy (at home) (Internship)	
Person in charge of the discipline		Liliana Dogotari , PhD, assoc. prof.	
Year	I	Semesters	2
Total number of hours, including:			60
Lectures	-	Practical/laboratory hours	-
Seminars	-	Self-training	60
Form of assessment	C	Number of credits	2

III. TRAINING OBJECTIVES IN THE DISCIPLINE

At the end of the discipline study the student will be able to:

at the level of knowledge and understanding:

- ✓ 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;



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- ✓ 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.

IV. PROVISIONAL TERMS AND CONDITION

Internship realization 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.

V. THEMES AND ESTIMATE ALLOCATION OF HOURS

No.	The name of work sectors, activities and practical skills	No. of hours Individual work
1.	Familiarization with pharmacy. (Pharmacy structure; Work program; Location; Basic task; General scheme; Nomenclature of offered pharmaceutical products; Offering supplementary services (receiving the individual command, pharmacist's consultation etc.); Pharmacy staff; Technical security at work places in pharmacy).	12
2.	Sanitary regime. (The requirements and respecting sanitary regime; The schedule of spending sanitary days; Cleaning the rooms and the pharmaceutical equipment; Keeping and making inventory destined for cleaning; Rights, obligations and work place organization of clean-rooms workers; Processing of pharmaceutical equipment; Sterilization methods).	12
3.	Pharmaceutical regime. (Familiarization with pharmacist's work organization in section of drug forms preparation; Sanitary requirements for drug forms preparation; Activity organization at work place of packager; Participation at drug forms package and perfecting their dispensing; Participation at products receiving from distributors).	12
4.	Parapharmaceutical products keeping organization. (Parapharmaceutical products keeping in pharmacy: made of rubber, materials for bandage, and other materials with medical destination; Participation at products receiving from distributors: products release of common package; Verification of units and their repatriation according to keeping conditions).	12
5.	Organization of industrial drug forms section activity. (The section scheme and functions; Organization of work place at patients care products dispensing, materials for bandage, medical optics, cosmetic products etc.; Parapharmaceutical products dispensed from this section; their nomenclature; Showcases principles in pharmacy; Dispensing arrangement (enumeration of leaflets, advertising materials for visitors).	12
Total:		60



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VI. REFERENCE OBJECTIVES OF CONTENTS UNITS

Objectives	Content units
<ul style="list-style-type: none">✓ to determine minimum requirements of pharmacy organization;✓ to establish basic directions of pharmacy activity;✓ to propose (establish) organizational structure of pharmacy and work program;✓ to organize respecting conditions of sanitary regime in pharmacy;✓ to organize parapharmaceutical products keeping conditions in pharmacy;✓ to apply principles of non-prescription drugs and parapharmaceutical products dispensing;✓ to familiarize and to apply basic requirements of dispensing arrangement;✓ to acquire the attributions of auxiliary staff and to organize their activity (by case): packager, clean-room workers.	<p>Familiarization with pharmacy. Sanitary regime. Pharmaceutical regime. Parapharmaceutical products keeping organization in community pharmacy. Organization of industrial drug forms section activity.</p>

VII. PROFESSIONAL (SPECIFIC) (SC) AND TRANSVERSALS (TC) COMPETENCES AND STUDY OUTCOMES

Professional (specific) (SC) competences:

PC1: Knowledge on disciplines theoretical bases included in faculty curriculum, of general principles in elaboration, analysis and registration of pharmaceutical and parapharmaceutical products; knowledge on general principles of organization and functioning of pharmaceutical institutions with different legal forms of activity; knowledge on legislative framework in pharmacy field; knowledge on pharmacist rights and obligations.

PC2: Knowledge on pharmacy basic economic indices importance as pharmaceutical and parapharmaceutical products stocks, drugs assortment, conditions of diverse practical maneuver making related to drugs preparation, knowledge on medicine through prism of mode of administration, application in practice of patient counseling actions and pharmaceutical assistance.

PC5: Professional activity criteria determination according to real conditions and in actual social context.

Study outcomes:

At the end of internship, the 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.



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VIII. THE STUDENT'S SELF-TRAINING

No.	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 realizing.	During the internship
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

IX. SUGGESTIONS FOR METHODOLOGY IN TEACHING-LEARNING-EVALUATION

• *Teaching and learning methods used*

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.

• *Applied teaching strategies/technologies applied (specific to the discipline)*

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 of practice.

• *Methods of assessment (including the method of final mark calculation)*

Current: Currents checks during the internship.

Final: Final mark of internship is the annual average mark, that consists of oral interview on program acquiring and student individual work during the internship.

Annual average mark will be expressed in numbers according to the grading scale indicated in table.

Marks 5 and more are equivalent with mark "attested", which will be transferred to the student record book.



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Method of marks rounding at the assessment stages

Grille of average marks	National system of grading	Equivalent ECTS
1,00-3,00	2	F
3,01-4,99	4	FX
5,00	5	E
5,01-5,50	5,5	
5,51-6,00	6	
6,01-6,50	6,5	D
6,51-7,00	7	
7,01-7,50	7,5	C
7,51-8,00	8	
8,01-8,50	8,5	B
8,51-9,00	9	
9,01-9,50	9,5	A
9,51-10,0	10	

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

X. RECOMMENDED BIBLIOGRAPHY:

A. Compulsory:

1. Government Decision RM no. 504 of 12th July 2012 for approval „Sanitary regulation of equipping and operation of pharmacies and pharmaceutical deposits”.
2. Law RM No. 1227 of 27.06.1997 „With respect to advertising”.
3. Law RM No. 1409-XIII of 17.12.1997 „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. Hotărârea Guvernului Republicii Moldova nr. 192 din 24.03.2017 cu privire la aprobarea Codului deontologic al lucrătorului medical și al farmacistului.
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”.