



**Syllabus\*:** Non-Prescription Drugs (Over-The-counter Drugs) and Parapharmaceuticals  
(131701438)

**Second Semester 2021 /2022**

<b>COURSE INFORMATION</b>	
<p><b>Course Name:</b> Non-Prescription Drugs (Over-The-counter Drugs) and Parapharmaceuticals <u>(face to face education)</u></p> <p><b>Semester:</b> Second Semester</p> <p><b>Department:</b> Department of Pharmaceutics and Pharmaceutical Technology</p> <p><b>Faculty:</b> Pharmaceutical Sciences</p>	<p><b>Course Code:</b> 131701438</p> <p><b>Section:</b> 1, 2, 3</p> <p><b>Core Curriculum:</b> 2013 - Pharmaceutical Sciences program study Plan.</p>
<p><b>Day(s) and Time(s):</b> Section 1: Sunday, Tuesday (8.30-9.30), Classroom: Pharmaceutical Sciences 206 Section 2: Sunday, Tuesday (10.00-11.00), Classroom: Pharmaceutical Sciences 207 Section 3: Monday, Wednesday (11.00-12.00), Classroom: Pharmaceutical Sciences 208</p>	<p><b>Credit Hours:</b> 2</p> <p><b>Prerequisites:</b> Pharmacology (3)</p>
<b>COURSE DESCRIPTION</b>	
<p>This course aims to teach students how to help patients choose and use the drugs that are dispensed without a prescription in order to achieve the best patient-self-care practices. In addition, the course differentiates between cases that requires the referral to the doctor and those that be treated in the pharmacy using OTC drugs and the proper counseling that should be offered to patients.</p> <p>This course also aims to provide students with information on how to manage common healthcare problems (musculoskeletal pain, diarrhea, constipation, cough). Additionally, it aims to prepare students to give advice on how to use medical equipment's and parapharmaceuticals.</p>	
<b>DELIVERY METHODS</b>	
<p>The course will be delivered through a combination of active learning strategies. These will include:</p> <ul style="list-style-type: none"> <li>• PowerPoint lectures and active classroom-based discussion including case -solving problems.</li> <li>• Relevant films and documentaries</li> <li>• Video lectures</li> </ul>	

## FACULTY INFORMATION

<b>Name</b>	<b>Rawan Abudalo</b>
<b>Academic Title:</b>	<b>Assistant Professor</b>
<b>Office Location:</b>	School of Pharmaceutical Sciences-third floor- office number 431
<b>Telephone Number:</b>	+962(5)-399303333-3431
<b>Email Address:</b>	<b>rawana@hu.edu.jo</b>
<b>Office Hours:</b>	Sunday, Tuesday 11.30-12.30 Monday, Wednesday 10.00-11.00.

## REFERENCES AND LEARNING RESOURCES

Handbook of non-prescription drugs – An interactive approach to self-care, 18th edition (2014) - American Pharmacists Association (APhA). Authors: Krinsky et al. ISBN: 9781582122250

Symptoms in the pharmacy, 7th edition (2014) – Wiley-Blackwell. Authors: Blenkinsopp, A., Paxton, P., and Blenkinsopp, J. ISBN: 9781118661734

## Course Objectives

1. The course of non-prescription drugs focuses on giving pharmacy students the knowledge of non-prescription products and the monitoring devices.
2. The course is dealing with a number of common disorders in the pharmacy, diagnosis depending on the symptoms, and the related non-prescription drugs and their administration regimens.
3. The course of non-prescription drugs focuses on giving pharmacy students skills to successfully manage the treatment of patients in the community pharmacy setting.
4. The course gives student the chance to learn about some medical equipments and parapharmaceuticals that are available in community pharmacies.
5. The course provides students ability to differentiate between cases need medical referral and those warranting the treatment by OTC products.
6. The course gives students practical skills how to develop pharmacist-patient communication.

## Intended Learning Outcomes

Successful completion of this course should lead to the following learning outcomes:

### **A. Knowledge and Understanding**

- A.1- Know the criteria and regulations that classify drugs as non-prescription drugs.
- A.2- Differentiate self-treatable symptoms that can be managed in community pharmacy from others that need referral.
- A.3- Know the non-prescription drugs that can be used to treat self-treatable conditions, and the safe and effective dose that can be used by the patient.
- A.4- Recognize the different medical equipment and parapharmaceuticals that are available in community pharmacy and the effective use of them.
- A.5- Know the main sources that can be used to treat patients in community pharmacy.

A.6- Know his/her role as a pharmacist as one of health care providers and how he/she could improve patient knowledge about drugs.

A.7- Gain knowledge in solving clinical cases in the lectures and exams and understand the concepts of selecting the right treatment.

**B. Essential for Practice and Care (Intellectual Skills):**

B.1- Translate their knowledge to Effective correlation of patient's symptoms to a possible condition, and if it is self-treatable, be able to recommend the appropriate non-prescription medications.

B.2- Apply their knowledge to help patients in selecting what they need from medical equipments and parapharmaceutics.

**C. Approach to Practice Pharmacy:** upon completion of this course, students will be able to:

C.1- Apply the knowledge and patient counseling skills to solve community-pharmacy problems in the therapeutic areas of:

- Skin conditions
- Gastrointestinal tract problems
- Respiratory problems
- Painful conditions
- Infant's conditions and feeding
- Otic conditions
- Eye problems

C.2- Have the ability to provide counseling information and answer patient's questions about different medical equipments and parapharmaceutics.

**D. Personal and Professional Development:**

D.1 Students will be able to effectively communicate with others about the effectiveness and safety of non-prescription drugs and the effective use of parapharmaceutics

D.2 Students will able to assess patient's medical condition whenever medical referral is indicated and self-treatment is excluded.

D.3 Students will be able identify the best OTC medicine according to patient condition.

## STUDENT LEARNING OUTCOMES MATRIX

An alignment matrix of the **program** ILOs of the Bachelor of Pharmacy at The Hashemite University, the **course** ILOs and knowledge, skills and competencies as mentioned in the Jordan National Qualifications Framework (JNQF)

Field according to (JNQF)	Required to achieve (according to (JNQF))	Core curriculum learning outcomes	B.Sc. Pharmacy Program ILOs	Course Objectives	Course Student ILOs					Assessment Method
					A	B	C	D		
<b>Knowledge</b>	A systematic understanding of the theories, concepts, principles and circulations related to the field of learning, some of which are within the limits of the latest scientific findings	Foundational Knowledge	Learner	1-6	A.1- A.7					First, Second and final exam
<b>Skills</b>	Mastering the skills and tools required to solve complex problems in a specialized field of study	Essentials for Practice and Care	Caregiver	2-5		B.1 B.2				
	Demonstrate specialized and conceptual skills in the field of study		Manager							
	Practice evaluation in planning, design, technical and/or supervisory functions related to products, services or processes	Approach to Practice and Care	Promoter							
			Provider							
			Creative Thinker & Problem-Solver	2-5		B.1 B.2	C.1- C.2	D.1		
			Educator	2-5				D.1		
			Advocate	2-5				D.1 D.2		
			Includer	2-5				D.2		
Communicator	6				D.1					
<b>Competencies</b>	Management of activities and projects	Personal & Professional Development	Self-aware	2-5						
	Take responsibility for decision-making in work or study contexts		Leader	2-5				D.2 D.3		
			Innovator							

	Take responsibility for group work and work effectively with peer guidance	Pharmaceutical Product Expert	Professional	1-5			C.1 C.2	D.1			
	Transfer and apply diagnostic and creative skills in a range of contexts			6			C.1 C.2	D.2 D.3			

## ACADEMIC SUPPORT

It is The Hashemite University policy to provide educational opportunities that ensure fair, appropriate and reasonable accommodation to students who have disabilities that may affect their ability to participate in course activities or meet course requirements. Students with disabilities are encouraged to contact their Instructor to ensure that their individual needs are met. The University through its Special Need section will exert all efforts to accommodate for individual's needs.

### **Special Needs Section:**

**Tel:** +962-5390333-4209

**Location:** Students Affairs Deanship/ Department of student Welfare Services

**Email:** [amalomoush@hu.edu.jo](mailto:amalomoush@hu.edu.jo)

[amalomoush@staff.hu.edu.jo](mailto:amalomoush@staff.hu.edu.jo)

## COURSE REGULATIONS

### ***Participation***

Class participation and attendance are important elements of every student's learning experience at The Hashemite University, and the student is expected to attend all classes. A student should not miss more than 15% of the classes during a semester. *Those exceeding this limit of 15% will receive a failing grade regardless of their performance.* It is a student's responsibility to monitor the frequency of their own absences. **Attendance record begins on the first day of class irrespective of the period allotted to drop/add and late registration. It is a student's responsibility to sign-in; failure to do so will result in a non-attendance being recorded.**

In exceptional cases, the student, with the instructor's prior permission, could be exempted from attending a class provided that the number of such occasions does not exceed the limit allowed by the University. The instructor will determine the acceptability of an absence for being absent. A student who misses more than 25% of classes and has a valid excuse for being absent will be allowed to withdraw from the course.

### ***Plagiarism***

Plagiarism is considered a serious academic offence and can result in your work losing marks or being failed. HU expects its students to adopt and abide by the highest standards of conduct in their interaction with their professors, peers, and the wider University community. As such, a student is expected not to engage in behaviours that compromise his/her own integrity as well as that of the Hashemite University.

Plagiarism includes the following examples and it applies to all student assignments or submitted work:

- **Use of the work, ideas, images or words of someone else without his/her permission or reference to them.**
- **Use of someone else's wording, name, phrase, sentence, paragraph or essay without using quotation marks.**
- **Misrepresentation of the sources that were used.**

**The instructor has the right to fail the coursework or deduct marks where plagiarism is detected**

### ***Student Complaints Policy***

Students at The Hashemite University have the right to pursue complaints related to faculty, staff, and other students. The nature of the complaints may be either academic or non-academic. For more information about the policy and processes related to this policy, you may refer to the students' handbook.

## **COURSE ASSESSMENT**

### ***Course Calendar and Assessment***

Students will be graded through the following means of assessment and their final grade will be calculated from the forms of assessment as listed below with their grade weighting taken into account. The criteria for grading are listed at the end of the syllabus

<b>Assessment</b>	<b>Grade Weighting</b>	<b>Deadline Assessment</b>
First Exam	30%	Week (6- 7) 3 <sup>rd</sup> -14 <sup>th</sup> Apr 2022
Second Exam	30%	Week (11-12) 8 <sup>th</sup> -19 <sup>th</sup> May 2022
Final Exam	40%	Week 16 11 <sup>th</sup> -23 <sup>rd</sup> Jun 2022

### **Description of Exams**

Test questions will predominately come from material presented in the lectures. Semester exams will be conducted during the regularly scheduled lecture period. Exam will consist of multiple choice based on descriptive questions, explanation questions, and case-solving problem questions. Make-up exams only for students with documented absences as it is considered as per HU guidelines.

Grades are not negotiable and are awarded according to the following criteria\*:

<b>Letter Grade</b>	<b>Description</b>	<b>Grade Points</b>
A+	Excellent	4.00
A		3.75
A-		3.50
B+	Very Good	3.25
B		3.00
B-		2.75
C+	Good	2.50
C		2.25
C-		2.00

D+	Pass	1.75
D	Pass	1.50
F	Fail	0.00
I	Incomplete	-

## WEEKLY LECTURE SCHEDULE AND CONTENT DISTRIBUTION

For Over The Counter Drugs (OTC) and parapharmaceuticals course, sections with 2 lecture periods per week. One lecture period covers 1 lecture hour (50 minutes). The course contents are described as main topic and detailed related subtopics.

<b><u>1. Introduction</u></b> 1.1 Characteristics of OTC drugs, Drug re-classification 1.2 Role of pharmacist in OTC drugs dispensing	<b><u>Week 1</u></b>	<b><u>2 lecture hour</u></b>
<b><u>2. Describing the OTC medications for GIT problems</u></b> 2.1 Heartburn 2.2 Constipation 2.3 Diarrhea 2.4 Hemorrhoids	<b><u>Week 2,3/4</u></b>	<b><u>5 lecture hours</u></b>
<b><u>3. Describing the OTC medications for respiratory problems</u></b> 3.1 Allergic rhinitis 3.2 Cough	<b><u>Week 4/5</u></b>	<b><u>2 lecture hours</u></b>
<b><u>4. OTC medications for Skin, hair, and oral conditions</u></b> 4.1 Warts and corns 4.2 Dandruff and pediculosis 4.3 Cold sores & mouth ulcer 4.4 Topical corticosteroids	<b><u>Week 5/6, 7, 8</u></b>	<b><u>7 lecture hours</u></b>
<b><u>5. OTC medications for painful conditions</u></b> 5.1 Musculoskeletal problems 5.2 Headache 5.3 Dysmenorrhoea	<b><u>Week 9,10/11</u></b>	<b><u>4 lecture hours</u></b>
<b><u>6. OTC medications for otic problems</u></b> 6.1 Earwax impaction 6.2 Otitis externa	<b><u>Week 11</u></b>	<b><u>1 lecture hour</u></b>
<b><u>7. Infant's conditions and feeding</u></b> 7.1 Milk formula 7.2 Infantile colic and oral thrush (oral candidiasis)	<b><u>Week 12/13</u></b>	<b><u>3 lecture hours</u></b>
<b><u>8. OTC medications for eye problems</u></b> 8.1 Conjunctivitis (viral, bacterial and allergic) 8.2 Dry eye	<b><u>Week 14</u></b>	<b><u>1 lecture hour</u></b>
<b><u>9. Home testing and monitoring devices</u></b>	<b><u>Week 15</u></b>	<b><u>1 lecture hour</u></b>
<b>University Exams</b>	<b><u>Week 16</u></b>	