The Hashemite University

الجامعـــــــــة الهاشميـــــــــة

School of Pharmaceutical Sciences

كلية العلوم الصيدلانية

Syllabus*: Non-Prescription Drugs (Over-The-counter Drugs) and Parapharmaceuticals
(131701438**)**
Second Semester 202.. /202..

COURSE INFORMATION	
Course Name: Non-Prescription Drugs (Over-The-counter Drugs) and Parapharmaceuticals (Blended education) **Semester:** Second Semester **Department:** Department of Pharmaceutics and Pharmaceutical Technology **Faculty: Pharmaceutical Sciences**	**Course Code:** 131701438 **Core Curriculum**: 2019 **Study Plan** **JNQF Level:** 7
Day(s) and Time(s): According to HU courses timetable/semester **Section:** According to HU courses timetable/semester **Classroom:** As per semester	**Credit Hours:** 2 **Prerequisites**: Pharmacology (3)

COURSE DESCRIPTION

This course aims to teach students how to help patients choose and use drugs dispensed without a prescription to achieve the best patient self-care practices. In addition, the course differentiates between cases that require a referral to the doctor and those that can be treated in the pharmacy using OTC drugs and explains the proper counseling that should be offered to patients.

This course also aims to provide students with information on how to manage common healthcare problems (musculoskeletal pain, diarrhea, constipation, cough) and to prepare them to advise on how to use medical equipment and parapharmaceuticals.

DELIVERY METHODS

The course will be delivered through a combination of active learning strategies. These will include:

- PowerPoint lectures and active classroom-based discussion including case -solving problems.
- Relevant films and documentaries
- Video lectures

FACULTY INFORMATION

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Office Hours:	As announced per semester

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 on non-prescription drugs focuses on teaching pharmacy students about non-prescription products and monitoring devices.
2. The course deals with a number of common disorders in pharmacy, their diagnosis depending on the symptoms, and 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 students the chance to learn about medical equipment and parapharmaceuticals available in community pharmacies.
5. The course teaches students to differentiate between cases that require medical referral and those that warrant treatment with OTC products.
6. The course gives students practical skills on how to develop pharmacist-patient communication.

Course Intended Learning Outcomes (CILOs)

A. Foundational Knowledge

A.1- Identify the criteria and regulations that classify drugs as non-prescription drugs.

A.2- Distinguish self-treatable symptoms that can be managed in community pharmacy from others that need referral.

A.3- Describe the non-prescription drugs used to treat self-treatable conditions

A.4- Recognize the medical equipment and para pharmaceutics available in community pharmacies and their practical use.

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

B.1 Differentiate between symptoms warranting the supervision of a medical doctor and those that can be self-treated

B.2 Analyze patients' information related to disease management to be able to recommend a specific OTC product suitable for each symptom presented to the pharmacist

C. Approach to Practice and Care (competencies)

C.1 Implement the knowledge in patient counseling to solve community pharmacy problems in the therapeutic areas of skin conditions, gastrointestinal tract problems, respiratory problems, painful conditions, infant conditions and feeding, otic diseases, and eye problems.

C.2 Optimize drug selection according to the patient's condition.

Personal and Professional Development:

D.1 Develop effective communication with patients about the safety and effectiveness of non-prescription drugs and the proper use of para-pharmaceutics.

D.2 Demonstrate responsibility for creating and solving patient's problems according to his/her condition.

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
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

Course Assessment Plan

Assessment	Grade Weighting	Deadline Assessment	CILOs			
			A	B	C	D
First Exam	30%	~ 6th week	A	B	C	D
Second Exam	30%	~ 10th week	A	B	C	D
Final Exam	40%	~ 15th /16th week	A	B	C	D

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*:

Letter Grade	Description	Grade Points
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

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.

Week Number	No. of Hours	CILOs	Subject	Delivery Methods	Assessment Methods
1	**2**	A	**-Characteristics of OTC drugs, Drug re-classification.** - **Role of pharmacist in OTC drugs dispensing**	PowerPoint Lecture Active Classroom-Based Discussions	Exams
2-4	**5**	A, ,B, C, D	**Describing the OTC medications for GIT problems** - Heartburn - Constipation - Diarrhea - Hemorrhoids	PowerPoint Lecture Active Classroom-Based Discussions	Exams
4-5	**2**	A, B, C, D	**Describing the OTC medications for Respiratory tract problems** - Allergic rhinitis - Cough	PowerPoint Lecture Active Classroom-Based Discussions	Exams
6-9	6	A, B, C, D	**OTC medications for Skin, hair, and oral conditions** - Warts and corns - Dandruff and pediculosis - Cold sores & mouth ulcer - Topical corticosteroids	PowerPoint Lecture	Exams
10-11	**4**	A, B, C,D	**OTC medications for painful conditions** - Musculoskeletal problems - Headache - Dysmenorrhoea	PowerPoint Lecture Relevant Videos	Exams

12	**1**	A, B, C, D	**<u>OTC medications for otic problems</u>** - Earwax impaction - Otitis externa	PowerPoint Lecture PowerPoint Lecture Relevant Videos	Exams
13	**1**	A, B, C, D	**<u>Infant's conditions and feeding</u>** Milk formula	PowerPoint Lecture	Exams
14	**1**	A, B, C, D	**<u>OTC medications for problems</u>** - Conjunctivitis bacterial and allergic) - Dry eye	Active Classroom-Based Discussions Relevant Videos	Exams
15	**-**		**University Final Exams**		