



# Course Specification

(Bachelor)

Course Title: Over the Counter Drugs (OTC)

Course Code: PHCU 538

Program: Bachelor of Pharmaceutical Sciences (B.Pharm.Sc.)

Department: Pharmaceutics

College: Pharmacy

Institution: Najran University

Version: 03

Last Revision Date: 20-08-2024

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## A. General information about the course:

### 1. Course Identification

1. Credit hours: 3 (2+1)

#### 2. Course type

A. ☐ University ☐ College ☐ Department ☐ Track ☒ Program  
B. ☒ Required ☐ Elective

3. Level/year at which this course is offered: (10/5)

#### 4. Course general Description:

This course deals with teaching pharmacy students over the counter drugs or the drugs which can be given to the patient without physician prescription. Students during this course become familiar with the disease conditions that can be manipulated by the pharmacists without prescription e.g. Hyperacidity, GIT disorders (constipation, diarrhea, dyspepsia) topical fungal infections, common cold, anti-cough products etc.

5. Pre-requirements for this course (if any): PHCU534

6. Co-requisites for this course (if any): NA

#### 7. Course Main Objective(s):

Describe the principle of OTC drugs, Mention ideal treatments for different and common diseases, and Describe the ideal treatments combinations and drug- drug interactions. Identify pharmacological properties of drugs. Demonstrate the possible precautions for each OTC drug. List the different side effects of OTC drugs.

### 2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60	100
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>Traditional classroom</li> <li>E-learning</li> </ul>		
4	Distance learning		



### 3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	30
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
Total		60

### B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
1.0	Knowledge and understanding			
1.1	Demonstrate understanding in the principles and concepts of OTC medications.	K1	Lectures	Written exams with multiple choice questions (MCQs) and short-answer questions (Quizzes, Mid-term and Final exams) Presentations Assignments
1.2	Demonstrate an in-depth knowledge of the drug uses, side effects and precautions for OTC drug including the role of pharmacists according to legal, ethical and professional standards in promoting health prevention and treatment	K2	Lectures	Written exams with multiple choice questions (MCQs) and short-answer questions (Quizzes, Mid-term and Final exams) Presentations Assignments
2.0	Skills			
2.1	Utilize appropriate communication by verbal and written the OTC drug groups for specific medical disorder.	S4	Lectures Lab work	Written exams with multiple choice questions (MCQs) and short-answer questions Presentations Assignments Practical exams
2.2				
3.0	Values, autonomy, and responsibility			





Code	Course Learning Outcomes	Code of PLOs aligned with program	Teaching Strategies	Assessment Methods
3.1	Demonstrate professional attitude, ethical principles and self-awareness in the field of work	V1	Lectures Problem based learning	Assignments Presentations Observation card
3.2				

### C. Course Content

No	List of Topics (Theory)	Contact Hours
1.	Overview and aim of studying OTC preparations	1
2.	Identification of different diseases required OTC drugs	2
3.	GIT Symptoms, Abdominal pain, Diagnosis	2
4.	Gastritis due to hyperacidity and treatments	2
5.	Abdominal spasms and antispasmodic.	2
6.	Vomiting , Motion thickness and their treatments	1
7.	Diarrhea treatment	2
8.	Constipation, prevention of constipation and treatments	2
9.	Fever , Headache ,Migraine and Insomnia	2
10.	Fatigue and weakness	2
11.	Women problems	2
12.	Cough and common colds treatment and sore throat	5
13.	Foot problems	2
14.	Oral problems and eye problems	2
15.	Obesity management	1
Total		30

No	List of Topics (Practical)	Contact Hours
1	Introduction to OTC products	2
2	Gastritis	2
3	Antispasmodic and Irritable Bowel Syndrome (IBS)	2
4	Vomiting and motion sickness	2
5	Diarrhea	2
6	Constipation	2
7	Fever and pain	2
8	Acne	2
9	Cough and cold	4
10	Foot problem (Athlete's foot, plantar wart and corn & calluses)	4





11	Oral problem (mouth ulcer, oral thrush and cold sores)	4
12	Revision	2
Total		30

## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz	4	10%
2.	Midterm exam	7-9	20%
3.	Assignment	15	10%
4.	Oral presentation	15	5%
5.	Observation card	15	5%
6.	Final Practical exam	16	10%
7.	Final Written exam	17-19	40%
	Total		100%

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

Essential References	Non-prescription Medicines: Alan Nathan, Fifth Edition 2020; Pharmaceutical Press.
Supportive References	British Pharmacopeia 2020
Electronic Materials	<a href="https://sdl.edu.sa/SDLPortal/en/Publishers.aspx">https://sdl.edu.sa/SDLPortal/en/Publishers.aspx</a> <a href="http://dlaf.nu.edu.sa/en/e-libraries">http://dlaf.nu.edu.sa/en/e-libraries</a> <a href="http://www.nu.edu.sa/en/web/deanship-of-libraries-affairs/85">http://www.nu.edu.sa/en/web/deanship-of-libraries-affairs/85</a> <a href="http://lib.nu.edu.sa/DigitalLibrary.aspx">http://lib.nu.edu.sa/DigitalLibrary.aspx</a>
Other Learning Materials	

### 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Classrooms and chairs
<b>Technology equipment</b> (projector, smart board, software)	Projectors, computers
<b>Other equipment</b> (depending on the nature of the specialty)	



## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Students	Indirect
Effectiveness of Students assessment	Examination committee	Direct
Quality of learning resources	Course coordinator and students	Indirect
The extent to which CLOs have been achieved	Course coordinator	Direct
Other		

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	Pharmaceutics Department Committee
<b>REFERENCE NO.</b>	14460216-1060-00001
<b>DATE</b>	<b>21-08-2024</b>

