

<b>Faculty: Pharmacy</b>	
<b>Department:</b> pharmaceutical Science	<b>Program: M.Sc</b>
<b>Academic year</b>	



## Course Plan

### First: Course Information

<b>Course Title:</b>	Phytotherapy		<b>Course No. 1101710</b>		
<b>Credit Hours:</b>	<b>3</b>	<b>Theoretical:</b>	<b>3</b>	<b>Practical:</b>	<b>0</b>
<b>Prerequisite:</b>		<b>Section No.:</b>		<b>Lecture Time:</b>	
<b>Level in JNQF</b>	<b>9</b>	<b>Virtual hours in the JNQF</b>		<b>120h</b>	
<b>Type Of Course:</b>	<input type="checkbox"/> <b>Obligatory University Requirement</b> <input type="checkbox"/> <b>Elective University Requirement</b> <input checked="" type="checkbox"/> <b>Obligatory Faculty Requirement</b> <input type="checkbox"/> <b>Elective Faculty Requirement</b> <input type="checkbox"/> <b>Obligatory Specialization Requirement</b> <input type="checkbox"/> <b>Elective Specialization requirement</b> <input type="checkbox"/> <b>Ancillary course</b>				
<b>Type of Learning:</b>	<input type="checkbox"/> <b>Face-to-Face Learning</b> <input checked="" type="checkbox"/> <b>Blended Learning (1 Face-to-Face + 1 Asynchronous)</b> <input type="checkbox"/> <b>Online Learning</b>				

### Second: Instructor's Information

<b>Course Coordinator:</b>		
<b>Name:</b>	<b>Academic Rank:</b>	
<b>Office Number:</b>	<b>Ext. Number:</b>	
<b>Course Instructor:</b>		
<b>Name:</b>	<b>Academic Rank:</b>	
<b>Office Number:</b>	<b>Ext. Number:</b>	
<b>Office Hours:</b>		

### **Third: Course Description**

This course builds upon and consolidates the knowledge gained from the courses in pharmacology, phytochemistry and pharmacognosy. This course teaches students the recent advances of herbal medicine for various diseases. In addition, this course covers the quality control principles of herbal medicine and recent trends in the field.

### **Fourth: Course objectives**

Understand the roles of medicinal plants in drug discovery and modern medicine

Clarify the efficacy of medicinal plants/extracts in a certain disease

Understand the quality control of herbal medicine

Recognize the challenges in phytotherapy research

## Fifth: Learning Outcomes

<i>Level descriptor according to (JNQF)</i>	<i>CILOs Code</i>	<i>CILOs</i> If any CILO will not be assessed in the course, mark NA.	<i>Associated PILOs Code</i> Choose one PILO for each CILO*	<i>Assessment method</i> Choose at least two methods	<i>Scores out of 100</i> State the total score identified for each CILO**	<i>Minimum acceptable Score/percentage (%)</i> <i>The percentage should not be less than 70% ***</i>
<b>Knowledge</b>	<b>K1</b>	Recognize the roles of medicinal plants in drug discovery and modern medicine	<b>P. K</b>	Mid, Final exam	20	14 (70%)
<b>Skills</b>	<b>S1</b>	Identify the various disciplines and fields that are involved in the study of natural medication	<b>P. S1</b>	Mid, Final exam	50	35 (70%)
<b>Competencies</b>	<b>C1</b>	Prepare a literature survey related to latest researches in phytotherapy	<b>P. C2</b>	Project	20	14 (70%)
	<b>C2</b>	Develop the experience of collaborating in groups and inspiring others to achieve objectives	<b>P. C4</b>	Workshop	10	7 (70%)

\*For each CILO, the PILO could be the same or different.

## Sixth: Learning Source

<b>Designated Book:</b>	<b><i>Principles and Practice of Phytotherapy (Second Edition</i></b>	
<b>Author:</b> <i>Bone, K., Simon Mills, M. C. P. P., &amp; Fnimh, M. A. (2012). Principles and practice of phytotherapy: modern herbal medicine. Elsevier Health Sciences.</i>	<b>Second Edition :Print:</b>	<b>Year:</b> 2012
<b>Additional Sources:</b> <b>Website:</b> <b>Database</b>	<p><i>Heinrich, M., Williamson, E.M., Gibbons, S., Barnes, J. and Prieto-Garcia, J., 2017. Fundamentals of Pharmacognosy and Phytotherapy E-Book. Elsevier Health Sciences.</i></p> <p><a href="https://www.webmd.com/">https://www.webmd.com/</a></p> <p><a href="https://medlineplus.gov/druginfo/herb_All.html">https://medlineplus.gov/druginfo/herb_All.html</a></p> <p><a href="https://pubmed.ncbi.nlm.nih.gov/">https://pubmed.ncbi.nlm.nih.gov/</a></p> <p><a href="https://www.researchgate.net/">https://www.researchgate.net/</a></p> <p><a href="https://scholar.google.com/">https://scholar.google.com/</a></p> <p><a href="https://www.elsevier.com/en-xm">https://www.elsevier.com/en-xm</a></p> <p>JFDA, EMEA, WHO/</p>	
<b>Teaching Type:</b> <b>Blended Learning</b>	<b>Classroom</b> <input checked="" type="checkbox"/> <b>Laboratory</b> <input type="checkbox"/> <b>Workshop</b> <input checked="" type="checkbox"/> <b>MS Teams</b> <input checked="" type="checkbox"/> <b>Moodle</b> <input checked="" type="checkbox"/>	

## Seventh: Course Structure

Lecture Date	Covered CILOs	Topics	Teaching Procedures *	Teaching **Methods	References***
	<b>K1</b>	Introduction and types of Phytotherapy	Face-to-face	Lecture Discussion	
	<b>K1 S1</b>	Treatment of respiratory diseases with natural products	Asynchronous	Lecture Discussion Workshop	
		Treatment of CNS diseases with natural	Face-to-face	Lecture	

	<b>K1 S1</b>	products		Discussion	
	<b>K1 S1</b>	Treatment of GIT diseases with natural products	Asynchronous	Lecture Discussion Workshop	
	<b>K1 S1</b>	Treatment of infectious diseases with natural product	Face-to-face	Lecture Discussion	
	<b>K1 S1</b>	Treatment of Cancerous diseases with natural products	Asynchronous	Lecture Discussion Workshop	
	<b>K1 S1</b>	QC of natural products	Face-to-face	Lecture Discussion	
	<b>K1 S1</b>	QC of natural products	Asynchronous	Lecture Discussion Workshop	
	<b>C2</b>	Challenges in phytotherapy research (workshop)	Face-to-face	Discussion	
	<b>C1</b>	Recent trend in phytotherapy research	Asynchronous	Lecture Discussion Workshop	
	<b>C1</b>	Recent trend in phytotherapy research	Face-to-face	Discussion	

Teaching procedures: (Face-to-face, synchronous, asynchronous). \*\* Teaching methods: Lecture, video.....) \*\*\* Reference: Pages of the book, recorded lecture, video....)

## Eighth: Assessment methods

Methods	Online Learning	Blended Learning	Face-To-Face Learning	K1	S1	C1	C2
				Mid-term Exam			
Final Exam				10	30		
Workshop							10
Assignments							
Project						20	
<b>Total out of 100</b>				<b>20</b>	<b>50</b>	<b>20</b>	<b>10</b>

\*Refer to document (CC-2023-03)

## Ninth: Course Policies

- All course policies are applied on all teaching patterns (online, blended, and face-to-face Learning) as follows:
  - a. Punctuality.
  - b. Participation and interaction.
  - c. Attendance and exams.
- Academic integrity: (cheating and plagiarism are prohibited).
- Meeting the deadline for the lecture.
- Commitment to interaction and participation.
- Interactive lectures will be given through a platform (MS Teams).
- Duties and tests will be given through a platform (Moodle).
- Commitment to the right appearance with the proper background in front of the camera.
- University regulations for attendance and absence from lectures and examinations are in force.
- Academic Integrity: According to university regulations and instructions, fraud or moral impersonation is unacceptable and punishable.

Approval	Name	Date	Signature
Head of Department			
Faculty Dean			