

Philadelphia University	 <b>PHILADELPHIA UNIVERSITY</b> THE WAY TO THE FUTURE	Approved Date: 10/2022
Faculty: pharmacy		Issue: 1
Department:		Credit Hours: 1
Academic Year: 2022/2023		<b>Course Syllabus</b>

### Course Information

Course No.	Course Title	Prerequisite
0520324	pharmaceutics Practical	0520322
Course Type		Class Time
<input type="checkbox"/> University Requirement <input type="checkbox"/> Faculty Requirement <input type="checkbox"/> Major Requirement <input type="checkbox"/> Elective <input checked="" type="checkbox"/> Compulsory		Room No. 535

### Instructure Information

Name	Office No.	Phone No.	Office Hours	E-mail

### Course Delivery Method

<input type="checkbox"/> Blended <input type="checkbox"/> Online <input checked="" type="checkbox"/> Physical			
Learning Model			
Percentage	Synchronous	Asynchronous	Physical
			100%

### Course Description

The The course is designed to provide the student with basic information about pharmaceutics practical: skills necessary for the continued developing roles of pharmacist, looking for pharmacopeia, making different dosage form like sodium chloride mouthwash ,calamine lotion, cold cream, bismuth subgallate suppositories, compound benzoic acid ointment, and white liniment. The course will cover the formulation of different types of Semisolid dosage forms

### Course Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Competencies
<b>Knowledge</b>			
<b>K1</b>	Understand the concepts of pharmaceutical dosage form and extemporaneous compounding procedure	Kp1, Kp6	C1,C6
<b>K2</b>	Getting familiar with pharmaceutical equipment used in the extemporaneous compounding	Kp1, Kp6	C1,C6
<b>Skills</b>			
<b>S1</b>	Acquire basic skills in using relevant resources	Sp9	C15
<b>S2</b>	To be able to adapt and accommodate team working	Sp6,Sp8	C12, C14
<b>S3</b>	Perform calculation and able to analyse collected data	Sp6	C12
<b>S4</b>	Skillfully prepare various semisolid, liquid, dosage forms.	Sp2,Sp9	C8, C15

### Learning Resources

<b>Course Textbook</b>	Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems By Loyd V. Allen, Jr., PhD , Nicholas G. Popovich, PhD And Howard C. Ansel, PhD. English edition, ninth edition.
<b>Supporting References</b>	Pharmaceutics the Science of Dosage Form Design, Edit.: Michael E. Aulton, Pub.: Churchill Livingstone, 2 <sup>nd</sup> edition, 2002.
<b>Supporting Websites</b>	
<b>Teaching Environment</b>	<input type="checkbox"/> Classroom <input checked="" type="checkbox"/> laboratory <input type="checkbox"/> Learning Platform <input type="checkbox"/> Other

### Meetings and Subjects Time Table

Week	Topic	Learning Method*	Task	Learning Material
1	Vision and Mission of faculty of pharmacy Course syllabus Safety rules	lecture		Vision and Mission of faculty of pharmacy Course syllabus Lab manual
2	An introduction to pharmaceuticals and handling of prescription : Dispensing, labeling, storage conditions, ,Parts of prescription containers	Lecture Flipped Learning		Lab manual
3	Solutions designed for oral and body cavities  Prepare 50ml of .1% Potassium Permanganate vaginal douche. prepare 25ml Simple Linctus B.P	Practical Flipped Learning	Report sheet Quiz	Lab manual
4	Syrup prepare 50 ml simple syrup USP prepare 50 g simple syrup BP prepare 50 ml Ferrous sulfate syrup USP	Practical Flipped Learning	Report sheet Quiz	Lab manual
5	Suspensions prepare 50ml Calamine lotion BP	Practical Flipped Learning	Report sheet Quiz	Lab manual
6	Emulsions part1 prepare 50 ml Mineral oil emulsion USP	Practical Flipped Learning	Report sheet	Lab manual
7	Emulsions part 2 (topical) prepare 50 ml White liniment BP	Practical Flipped Learning	Report sheet	Lab manual
8	Creams prepare 25 g cold cream. prepare 25 g Vanishing cream.	Practical Flipped Learning	Report sheet	Lab manual
9	Ointments and pastes prepare 25g compound benzoic acid ointment BP. prepare 50g Zinc Oxide and Salicylic Acid Paste B.P.	Practical Flipped Learning	Report sheet	Lab manual
10	Suppositories	Practical	Report	Lab manual

	prepare Compound Bismuth subgallate suppositories BP prepare Glycerol-gelatin suppository USP.	Flipped Learning	sheet	
<b>11</b>	Practical final exam			
<b>12</b>	<b>Final Exam</b>			

\*Includes: lecture, flipped Class, project based learning, problem solving based learning, collaboration learning.

### Course Contributing to Learner Skill Development

Using Technology
1-Using Microsoft teams program  2-Using moodle program.
Communication Skills
1-Report writing 2-Team working skills 3- Group discussion technique
Application of Concept Learnt
Preparation of ointments, creams and liquid dosage forms

### Assessment Methods and Grade Distribution

Assessment Methods	Grade	Assessment Time (Week No.)	Course Outcomes to be Assessed
<b>Quizzes</b>	<b>% 20</b>	<b>Continous</b>	<b>K1,K2 S1,S3,S4</b>
<b>Reports</b>	<b>% 30</b>	<b>Continous</b>	<b>K1,K2 S1,S2,S3,S4</b>
<b>Practical exam</b>	<b>% 10</b>	<b>11<sup>th</sup> week</b>	<b>K1,K2 S1,S3,S4</b>
<b>Final Exam</b>	<b>%40</b>	<b>11<sup>th</sup> week</b>	<b>K1,K2  S1,S2,S3,S4</b>
<b>Total</b>	<b>%100</b>	<b>Total</b>	

\* Include: quizzes, in-class and out of class assignment, presentations, reports, videotaped assignment, group or individual project.

## Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Learning Method*	Assessment Method**	Competencies
<b>Knowledge</b>				
<b>K1</b>	Understand the concepts of pharmaceutical dosage form and extemporaneous compounding procedure	Practical Flipped learning	Subjective Quiz Report	C1,C6
<b>K2</b>	Getting familiar with pharmaceutical equipment used in the extemporaneous compounding.	Practical Flipped learning	Subjective Quiz Report	C1,C6
<b>Skills</b>				
<b>S1</b>	Acquire basic skills in using relevant resources	Practical Flipped learning	Subjective Quiz Report	C15
<b>S2</b>	To be able to adapt and accommodate team working	Practical Flipped learning	Subjective Quiz Report	C12, C14
<b>S3</b>	Perform calculation and able to analyse collected data	Practical Flipped learning	Subjective Quiz Report	C12
<b>S4</b>	Skillfully prepare various semisolid, liquid, dosage forms	Practical Flipped learning	Subjective Quiz Report	C8, C15

\*Include: lecture, flipped class, project based learning, problem solving based learning, collaboration learning.

\*\* Include: quizzes, in-class and out of class assignments, presentations, reports, videotaped assignments, group or individual projects.

Policy	Policy Requirements
<b>Passing Grade</b>	The minimum pass for the course is (50%) and the minimum final mark is (35%).
<b>Missing Exams</b>	<ul style="list-style-type: none"> <li>• Anyone absent from a declared semester exam without a sick or compulsive excuse accepted by the dean of the college that proposes the course, a zero mark shall be placed on that exam and calculated in his final mark.</li> <li>• Anyone absent from a declared semester exam with a sick or compulsive excuse accepted by the dean of the college that proposes the course must submit proof of his excuse within a week from the date of the excuse's disappearance, and in this case, the subject teacher must hold a compensation exam for the student.</li> <li>• Anyone absent from a final exam with a sick excuse or a compulsive excuse accepted by the dean of the college that proposes the material must submit proof of his excuse within three days from the date of holding that exam.</li> </ul>
<b>Attendance</b>	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to six lecture days (n t) and seven lectures (days). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory or compulsive excuse accepted by the dean of the faculty, he is prohibited from taking the final exam and his result in that subject is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college that The article is introduced, it is considered withdrawn from that article, and the provisions of withdrawal shall apply to it.
<b>Academic Integrity</b>	Philadelphia University pays special attention to the issue of academic integrity, and the penalties stipulated in the university's instructions are applied to those who are proven to have committed an act that violates academic integrity, such as cheating, plagiarism (academic theft), collusion, intellectual property rights.