

Philadelphia University	 PHILADELPHIA UNIVERSITY <small>THE WAY TO THE FUTURE</small>	Approved Date: 2-10-2022
Faculty: Pharmacy		Issue: 1
Department:		Credit Hours: 2
Academic Year: 2022-2023		Course Syllabus

Course Information

Course No.	Course Title	Prerequisite	
0520430	Cosmetics	Pharmaceutics 2 (0520322)	
Course Type		Class Time	Room No.
<input type="checkbox"/> University Requirement <input type="checkbox"/> Faculty Requirement <input checked="" type="checkbox"/> Major Requirement <input type="checkbox"/> Elective <input checked="" type="checkbox"/> Compulsory			

Instructor 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

This course provides an introduction to the knowledge of cosmetic products. In this course, students will learn the anatomy of the skin, hair and dental system their functions, and relevant care preparations. Furthermore, students will study the most effective cosmetic active ingredients and their medical effects on skin and hair. Also students will recognize the inactive ingredients for the preparation of cosmetic formulations. Moreover, students will learn the most important regulations for cosmetic products.

Course Learning Outcomes

Number	Outcome	Corresponding Program Outcomes	Corresponding Competencies
Knowledge			
K1	Know the legal status and regulations related to cosmetics and differentiate between drug and cosmetics preparation.	KP1	C1
K2	Recognize various types of cosmetic preparations and formulations and the ingredients and active ingredients used in them.	KP1, KP6	C1, C6
K3	To be able to describe the structure of skin layers, hair layers, dental system and to be familiar with cosmetic products applied to them.	KP1	C1
Skills			
S1	Advice consumers how and when to use cosmetic products.	SP3	C9
S2	To be able to select the suitable ingredients for different cosmetic products.	SP2	C8
S3	Access the scientific resources related to the cosmetic preparations.	SP1	C7

Learning Resources

Course Textbook	Introduction to Cosmetic Formulation and Technology, Gabriella Baki, Kenneth S. Alexander, John Wiley & Sons, 1st Edition, 2015.
Supporting References	<ul style="list-style-type: none"> ▪ Harry's Cosmeticology, Edit.: J.B. Wilkinson, 7th edition, Pub.: Chemical Publication NY, 2011. ▪ Hand book of Cosmetic Science and Technology, Andre O. Barel, Marc Paye, Howard I. Maibach, Informa health care, 3rd Edition, 2014 ▪ Cosmetic science ,Middleton, A.W... London: Butterworths Scientific, 1959 ▪ Cosmetic and toiletry formulations. Flick, Ernest W.. New Jersey: Noyes Publications, 1989.
Supporting Websites	http://www.philadelphia.edu.jo/pharmacy/resources.html http://www.fda.gov/Cosmetics/ http://www.Cosmeticinfo.org https://ec.europa.eu/growth/sectors/cosmetics/cosing_en
Teaching Environment	<input checked="" type="checkbox"/> Classroom <input 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	Lectures		Vision and Mission of Faculty of Pharmacy
	Course syllabus			Course Syllabus
	Introduction to cosmetic science			Text book, Chapter 1 ,section 1
2	Introduction to cosmetic science	Lectures		Text book, Chapter 1 ,section 1
	Classification of cosmetic products			Text book, Chapter 1 ,section 2
3	Dosage Forms for Cosmetics	Lectures + Collaborative learning		Text book, Chapter 1 ,section 3
	Differences in regulations between major cosmetics markets			Text book, Chapter 2 ,section 1+2
4	Major ingredient types in cosmetic products and their functions	Lectures		Text book, Chapter 1 ,section 2
5	Major ingredient types in cosmetic products and their functions	Lectures+ Flipped learning	Homework	
6	Skin care products: Skin cleansing products	Lectures		Text book, Chapter 3 ,section 1+2
7	Skin cleansing products	Lectures		Text book, Chapter 3 ,section 2
8	Skin moisturizing products	Lectures		Text book, Chapter 3 ,section 3
9	Anti-Aging products	Lectures + Problem solving based learning		Text book, Chapter 3 ,section 4
10	Sun care products	Lectures		Text book, Chapter 3 ,section 5
11	Antiperspirants and deodorants	Lectures		Text book, Chapter 3 ,section 6
12	Hair care products: Hair anatomy and physiology	Lectures		Text book, Chapter 5 ,section 1+2
	2. Hair cleansing and conditioning products			
13	2. Hair cleansing and conditioning products	Lectures		Text book, Chapter 5 ,section 2+4
	3. Hair coloring products			
14	Oral and dental care products:	Lectures		Text book, Chapter 6

	1. Tooth paste			
15	Mouth wash Tooth whitening products	Lectures		
16	Final Exam			

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

Course Contributing to Learner Skill Development

Using Technology
<ul style="list-style-type: none"> ▪ Be able to research in electronic scientific resources related to the cosmetic preparations. ▪ Using power point or any other relevant programs for preparing reports
Communication Skills
<ul style="list-style-type: none"> ▪ Be able to interact during the in-class discussion and presentation.
Application of Concept Learnt
<ul style="list-style-type: none"> ▪ Formulate different cosmetic formulations in the practical part

Assessment Methods and Grade Distribution

Assessment Methods	Grade	Assessment Time (Week No.)	Course Outcomes to be Assessed
Mid Term Exam	% 30	11th week	K1, K2,K3 S1,S2
Term Works*	% 30	Continues	S1-S3, K1, K2,K3
Final Exam	% 40	16th week	K2,K3 S1 –S2
Total	%100		

* 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	Corresponding Competencies	Learning Method*	Assessment Method**
Knowledge				
K1	Know the legal status and regulations related to cosmetics and differentiate between drug and cosmetics preparation.	C1	Lectures Collaborative learning	Exam/Objective questions
K2	Recognize various types of ingredients and active ingredients used in cosmetics preparation.	C1	Lectures Flipped learning Problem	Exam/Objective questions Subjective Quiz

			solving based learning	Homework evaluation
K3	Recognize various types of cosmetic preparations and formulations.	C1, C6	Lectures Collaborative learning	Exam/Objective questions Subjective Quiz
K4	To be able to describe the structure of skin layers and to be familiar with cosmetic products applied to the skin.	C1	Lectures Problem solving based learning	Exam/Objective questions Subjective Quiz
K5	To be able to describe the structure of hair layers and to be familiar with cosmetic products applied to the hair	C1	Lectures	Subjective Quiz Exam/Objective questions
K6	To be able to describe the structure of dental system and to be familiar with cosmetic products applied into it.	C1	Lectures	Exam/Objective questions
Skills				
S1	Advice consumers in pharmacies how and when to use cosmetic products.	C9	Lectures Problem solving based learning	Exam/Objective questions
S2	To be able to develop formulations for cosmetic products.	C8	Lectures Problem solving based learning	Exam/Objective questions
S3	Access the scientific resources related to the cosmetic preparations.	C7	Lectures Collaborative learning	Homework

*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.

Course Polices

Policy	Policy Requirements
Passing Grade	The minimum pass for the course is (50%) and the minimum final mark is (35%).
Missing Exams	<ul style="list-style-type: none"> • 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. • 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. • 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.
Attendance	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.
Academic Integrity	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.

Program Learning Outcomes to be Assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Targeted Performance level

Description of Program learning Outcomes Assessment Method

Number	Detailed Description of Assessment

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Assessment Rubric of the Program Learning Outcomes

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