Hashemite University
Faculty of Pharmaceutical Sciences
Department of Pharmaceutics and Pharmaceutical Technology

Semester: First **Year: 2020-2021**

Course Information	
Course Title	**Cosmetics**
Course Number	131701539
Credit Hours	**3**
Prerequisites	131701438 & 131701231

Instructor		
Name	**Prof. Saja Hamed**	
Office	**485**	
Office Phone	**3448**	
Office Hours	**TBA**	
E-mail	**hamedsh@hu.edu.jo**	

Course Description

This course discusses the scientific aspects of cosmetics. It describes various cosmetics and cosmeceuticals available in community pharmacies such as moisturizers, skin cleansers, masks, sunscreens, as well as acne, skin pigmentation and skin aging ameliorating products. It discusses the effects of various ingredients of cosmetics on skin & hair and their mode of action using data supported by scientifically researched criteria. In addition, local and international legal requirements for cosmetics registration and labelling as well as basic principles of formulations of some cosmetics will be discussed. The course is offered through lectures enriched with case studies and assignments.

مساق مستحضرات التجميل:

يناقش هذا المقرر الدراسي الجوانب العلمية لمستحضرات التجميل، سيتم دراسة العديد من المستحضرات التجميلية والتجميلية الصيدلانية المتوفرة في الصيدلية مثل المرطبات ومنظفات البشرة والأقنعة وواقيات الشمس ، بالإضافة إلى مستحضرات حب الشباب وتصبغ الجلد ومنتجات تحسين شيخوخة الجلد. سيتم مناقشة تأثير المكونات المختلفة لهذه المستحضرات على البشرة والشعر وطريقة عملها باستخدام بيانات مدعومة بمعايير بحثية علمية والقوانين الناظمة محليا وعالميا لتسجيل وتسويق مستحضرات التجميل ومتطلبات بطاقة البيان و مبادئ اساسية لتركيب بعض مستحضرات التجميل . يتم تقديم المساق من خلال محاضرات غنية بدراسات الحالة والواجبات.

Course Objectives

The students are expected:

1. To develop a knowledge on the scientific aspect of skin care preparations
2. To understand the available information on various cosmetic products
3. To develop knowledge on common skin problems and conventional skin treatments such as skin lightening of dark spots, anti-aging and peeling.
4. To develop knowledge on the cosmetic ingredients used in skin care products and their mode of action
5. To develop an insight on a number of skin care product's performance as a function of product composition
6. Up to date guidelines for management of common skin disorders such as acne and eczema
8. Evidence based practice for innovative cosmetic ingredients
9. Understand the ingredients' label of skin care products and correlate it with claims written on the products
10. Develop knowledge on the national and international regulations governing cosmetics

Intended Learning Outcomes

A- Knowledge and Understanding: When students have completed the course they will be able to:

A-1. To develop a knowledge on the scientific aspect of skin care preparations
A-2. To understand the available information on various cosmetic products
A-3 To develop knowledge on common skin problems and conventional skin treatments

B- Essential for Practice and Care (Intellectual Skills): When students have completed the programme they will be able to:

B-1 Interpret ingredient label for skin care products
B-2 recommend a specific skin care products suitable for skin disorders presented to the pharmacist
B-3 suggests clear advice for patient regarding their skin issues presneted to the pharmacist

C- Approach to Practice Pharmacy: When students have completed the programme they will be able to:

C-1 being able to differentiate between rational and irrational use of skin care products
C-2 being able to recommend certain cosmetics & skin care products to the public based on scientific evidence
C-3 being able to provide the proper advice/couselling for each product and/or Symptom

D- Personal and Professional Development: When students have completed the programme they will be able to:

D1- develop the skills for using the products properly and transfer these skills to customers
D2-acquire the proper communication skills needed to deal with customer in the community pharmacy settings during a skin care dialoguoe
D3- the use of internet professional sites to extract information about cosmetic ingredients, skin disorders and recent developments in this field
D-4 develop the skill to intrpret the information on skin care products label and differentoate between resonable and exagerated claims

Reading List

1. Essential Book:	1. Handbook of Cosmetic Skin Care, Shai A., Maibach H., and Baran R., 2002 2. Handbook of Cosmetic Science and Technology: Paye M., Barel A., and Maibach H., 2006 3. Textbook of Cosmetic Dermatology, Baren R., Maibach H., 2005 4. CosIng: the European Commission database for information on cosmetic substances and ingredients

Week	Credit Hours	ILOs	Topics	Teaching Procedure	Assessment methods
1		**A,D**	Drug, Cosmetics, and Cosmeceuticals: Definitions and regulations	Lecturing, discussion In Class Activities	MTA, F
1		**A**	Skin Structure and function Inflammation and Dermatitis	Lecturing, discussion In Class Activities	MTA, F
2		**A,B,**	Dry skin and moisturizers	Lecturing,	A, MTA, F

		C,D		discussion In Class Activities	
3		**A,B, C,D**	Drug & Cosmetics for acne	Lecturing, discussion In Class Activities	A, MTA, F
4		**A,B, C,D**	Skin cleansing	Lecturing, discussion In Class Activities	A, MTA, F
5		**A,B, C,D**	Facial Masks	Lecturing, discussion In Class Activities	A, MTA, F
6		**A,B, C,D**	Skin aging and its modulation	Lecturing, discussion In Class Activities	A, MTA, F
7		**A,B, C,D**	Skin depigmenting agents	Lecturing, discussion In Class Activities	A, MTA, F
8		**A,B, C,D**	Sunscreens	Lecturing, discussion In Class Activities	A, MTA, F
9		**A,B, C,D**	Artificial tanning preparations (sunless tan)	Lecturing, discussion In Class Activities	A, MTA, F
10		**A,B, C,D**	Deodorants and antiperspirants	Lecturing, discussion In Class Activities	A, MTA, F
11,12		**A,B, C,D**	Hair products - Structure of hair - Shampoos - Conditioners – Antidandruff shampoos - Baby shampoo - Hair dye	Lecturing, discussion In Class Activities	A, MTA, F
13		**A,B, C,D**	Cellulite and anti-cellulite products	Lecturing, discussion In Class Activities	A, MTA, F

Assessment	Grade	Date
First Exam	20	
Cosmetic Assessment Project & Discussion with the instructor	10	
Second Exam	20	
Final Exam	50	

Important regulations

On average, students need to spend 3 hrs of study and preparation weekly.

♦ Excellent attendence is expected. According to the university policy, students who miss more than 15% of the lecture hours with or without excuse will be dismissed from the course

♦ At the beginning of the lectures, be on time and don't leave before the end of the lecture without an accepted excuse

♦ If you missed a class, it is your responsibility to find out about any announcements or assignments you have missed

♦ For any clarification, please communicate your instructor at his posted office hours or by appointment

♦ Switch off your mobile or keep it silent throughout the lecture

♦ Listen well to the lecture and avoid side discussions, if you have a question, ask your instructor and not your

collegue

♦ If you have any information, document your reference, if you didn't, then you broke the intellectual property rights law and the law will be applied o For more informations, visit the website: http://www.plagiarism.org/

♦ Exams are scheduled to be given throughout the semester, your are expected to attend all. If not, make-up exams will be offered for valid reasons. It may be different from regular exams in content and format.

♦ Cheating, academic diconduct, fabrication and plagiarism will not be tolerated, and the university policy will be applied

Last updated on 11/10/2022 **by : Prof. Saja Hamed**