



The University of Jordan

Accreditation & Quality Assurance Center

COURSE Syllabus

1	Course title	Cosmetic Science
2	Course number	1202536
3	Credit hours (theory, practical)	2 (theory)
	Contact hours (theory, practical)	2 (theory)
4	Prerequisites/corequisites	Pharmaceutical Calculations and Compounding of Dosage Forms (1202131)
5	Program title	BSc in Pharmacy and PharmD
6	Program code	
7	Awarding institution	The University of Jordan
8	Faculty	Pharmacy
9	Department	Department of Pharmaceutics and Pharmaceutical Technology
10	Level of course	Undergraduate
11	Year of study and semester (s)	First semester of the 5 th year
12	Final Qualification	BSc in Pharmacy or PharmD
13	Other department (s) involved in teaching the course	NA
14	Language of Instruction	English
15	Date of production/revision	31 January 2016

16. Course Coordinator:

Dr. Bassam A. Amro, BSc, PhD.
<http://eacademic.ju.edu.jo/amrob/default.aspx>
 Office: 207
 Phone 06/535500, Ext. 23326.
 E-mail: amrob@ju.edu.jo
 Office hours:
 Sunday: 11-12
 Tuesday: 11-12

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

Office .
Phone: **Ext.**
 E-mail:
 Office hours to be announced

Office .
Phone: **Ext.**
 E-mail:
 Office hours to be announced

18. Course Description:

This course aims to provide the students with good knowledge in cosmetic science to be able to analyze the relationship between the physicochemical properties of cosmetic ingredients and biological activity of cosmetic products.

That is:

- To provide students with an understanding of the morphology and chemical structure of skin, hair, nail and teeth systems.
- To provide students with the ability to utilize this understanding in the design of active cosmetic dosage forms.

19. Course aims and outcomes:**A- Aims:**

- Gaining a sound base for all aspects of healthy skin, hair, nail and dental structure.
- Learning how to interpret a list of ingredients of cosmetic product by putting knowledge into practice.
- Knowledge in formulation and packaging of cosmetic products.

B- Course Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...**A. Knowledge and understanding:** Student is expected to

- A1- To be able to describe the structure of skin layers and its chemistry and functions of each layer, and the barrier function of the skin.
- A2- To be able to describe the structure of hair layers and its chemistry and functions of each layer.
- A3- To be able to describe the structure of nail and its chemistry and functions of each part.
- A4- To be able to describe the structure of dental system and functions of each part.
- A5- To recognize various types of active ingredients used in cosmetic products formulations.

B. Intellectual skills: Student is expected to

- B1- Be able to suggest formulations for cosmetic products.
- B2- To correlate between the activity of active ingredient and intended function in cosmetic formulations.

C. Subject-specific skills: Student is expected to

- C1- To be able to understand and explain the contents of any cosmetic product.
- C2- To be able to develop simple cosmetic formulations.

D. Transferable skills: Student is expected to

- D1- Gain knowledge and skills to advise people in pharmacies how and when to use cosmetic products.
- D2- Have the ability to suggest solutions to the problems encountered during the use of cosmetic product.

C- Program Competencies Achieved:

- Characterize different dosage forms of cosmetic products and their proper usage
- Identify different types of cosmetic formulations.
- Document and report cosmetic product indications.
- Accurately interpret ingredients function.
- Advise users on proper usage cosmetic products.
- Verify patient's understanding of all instructions related to dispensed medicines
- Recognise and properly understand cosmetic formulations

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Hair structure	1	Section Instructor*	A1, A2,D1	Lecture, Oral discussion	Lectures Manual
Hair dyes formulations	2	Section Instructor*	A1, A2, D1	Lecture, Oral discussion	Lectures Manual
Hair shampoos and conditioner formulations (2 hours)	3	Section Instructor*	A1, A2, C1	Lecture, Oral discussion	Lectures Manual
Hair lacquers, sprays and lotions formulations	4	Section Instructor*	A1, A2, C1	Lecture, Oral discussion	Lectures Manual
Waving and relaxing preparations formulations	4	Section Instructor*	B1, B2, D1	Lecture, Oral discussion	Lectures Manual
Skin structure, Moisturising, Protective, Cleansers, Tonics Preparations.	5-6	Section Instructor*		Lecture, Oral discussion	Lectures Manual
Skin lighteners	7	Section Instructor*	B1, B2, A2,C1	Lecture, Oral discussion	Lectures Manual
Sunscreen, suntan and anti-sunburn preparations	8	Section Instructor*	B1,C1,D1	Lecture, Oral discussion	Lectures Manual
Depilatories and Antiperspirants and deodorants	9	Section Instructor*	A1, B1, C1	Lecture, Oral discussion	Lectures Manual
Shaving preparations	10	Section Instructor*	A1, B1, C1	Lecture, Oral discussion	Lectures Manual
Manicure preparations Dental Products (1 hour)	11	Section Instructor*	B1.C2,D2, D1	Lecture, Oral discussion	Lectures Manual
The use of plant in cosmetic products	12	Section Instructor*	A1, B1, C1	Lecture, Oral discussion	Lectures Manual
Final Exam (Theoretical)	13				

* Section (1 and 2) Instructor: Dr. Basam Amro.

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following <u>teaching and learning methods</u>:		
ILO/s	Learning Methods	Evaluation Methods
A1,A2	Lecturing Oral discussion, Assignment	Student evaluation, reports, and presentation.
B1,B2.	Lecturing Oral discussion, Assignment	Student evaluation, reports, and presentation.
C1, C2	Lecturing Oral discussion, Assignment	Student evaluation, reports, and presentation.
D1, D2	Lecturing Oral discussion, Assignment	Student evaluation, reports, and presentation.

Learning skills:

- 1- Critical thinking
- 2- Digital literacy
- 3- Problem-solving skills
- 4- Self-directed learning
- 5- Team and group working.
- 6- Scientific reasoning
- 7- Communication skills

22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following <u>assessment methods and requirements</u>:
<ol style="list-style-type: none"> 1-Students reports and assignments 2- Exams

23. Course Policies:

<p>A- Attendance policies:</p> <p>Attendance: Mandatory. First warning – with 3 absences Last warning – with 4 absences Failing in the subject – with 5 absences</p> <p>B- Absences from exams and handing in assignments on time:</p> <p>Will result in zero achievement unless health report or other significant excuse is documented.</p> <p>C- Health and safety procedures:</p> <p>General Laboratory safety Instruction are maintained</p> <p>D- Honesty policy regarding cheating, plagiarism, misbehavior:</p> <p>The participation, the commitment of cheating will lead to applying all following penalties together</p> <p>1) Failing the subject he/she cheated at</p>
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2) **Failing the other subjects taken in the same course**

3) **Not allowed to register for the next semester. The summer semester is not considered as a semester**

E- Grading policy:

Exams and Quizzes.

Assignment:	10 points
Mid Exam:	40 points
Final Exam:	50 points
Total	100 points

F- Available university services that support achievement in the course:

1- **Lecture room**

2- **Internet classes**

24. Required equipment:

All equipment, computer, data show instruments required to perform assigned lectures.

25. References:

A- Required book (s), assigned reading and audio-visuals:

Lectures Manual (Cosmetic Sceince)

B- Recommended books, materials, and media:

- Harry's Cosmeticology, Martin M. Rieger, 8th edition, 2011.
- Poucher's Perfumes, Cosmetics and Soaps, Hilda Butler, 10th edition, 2000.
- Cosmetics & Toiletries Magazine, 2000 - 2016.

26. Additional information:

NA

Name of Course Coordinator: **Bassam Amro** Signature: ----- Date: Jan, 31, 2016

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----

Copy to:
Head of Department
Assistant Dean for Quality Assurance
Course File