



Course Specification of Cosmetics

I. Course Identification and General Information:					
1	Course Title:	Cosmetics			
2	Course Number & Code:	Ph2922			
3	Credit hours: 2hrs	C.H			Total
		Theoretical	Practical	Training	
		1	2		
4	Study level / semester at which course is offered:	Level: - Fifth Year /First Semester			
5	Pre –requisite (if any):	Pharmaceutics I,II,III and IV			
6	Co –requisite (if any):				
7	Programs in which course is offered:	Bachelor of pharmacy			
8	Language of teaching the course:	English			
9	Department in which course is offered:	Pharmaceutics and Industrial Pharmacy			
10	Location of teaching the course:	Faculty of Pharmacy- Sana`a university			
11	Prepared by:	Prof. Dr. Maged Alwan			
12	Date of approval:				

II. Course description:

Topics will cover structure, functions, disorders of skin and hair. Also formulation, manufacture, evaluation, testing and selection of best natural or synthetic materials to prepare safe and legal cosmetic preparations.

III. Intended learning outcomes (ILOs) of the course:

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



At the end of this course, the students will be able to:

1. Define the different cosmetic products using different bases and different additives
2. Report the specifications of healthy skin and hair, and how to maintain healthy state
3. State different methods of preparation of cosmetic products and methods of evaluation
4. Identify the principles of controlling the body smell, hair disorders and different cosmetic

colorants.

5. Illustrate safety and compatibility of different cosmetic constituents used in different preparation.
6. Describe the basic concepts involved in the formulation and manufacture of cosmetic products
7. Evaluate factors affecting preparation and evaluation of different cosmetic preparations.
8. Select the best equipment and/or operational line to perform pharmaceutical operation.
9. Diagrammatically design the studied equipments for each operation.
10. Classify the different cosmetic products and compare the characteristic. difference between them
11. Compound, prepare and design different cosmetic formulations
12. Perform the quality control tests and evaluate some cosmetic products
13. Classify different additives used in cosmetic preparations
14. Demonstrate different methods of preparation, evaluation of cosmetic preparations, critical thinking, problem solving, decision-making abilities, leadership and team working abilities

IV. Intended learning outcomes (ILOs) of the course:

(A) Knowledge and Understanding:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **Knowledge and Understanding.**

Program Intended Learning Outcomes (Sub-PILOs) in: Knowledge and Understanding		Course Intended Learning Outcomes (CILOs) in: Knowledge and Understanding	
After completing this program, students will be able to:		After completing this course, students will be able to:	
A1-	Recognize the principles of physical, clinical, social, behavioral, health and pharmaceutical sciences.	a1-	Define the different cosmetic products using different bases and different additives.



A3-	Describe the general cellular, biochemical and physiological aspects of human body and recognize the pharmacokinetics, pharmacodynamics, disease pathophysiology, and pharmacogenetic of therapeutic agents to provide pharmaceutical care and facilitate management of patient's medication, rationalize drug use and overall health needs.	a2-	Report the specifications of healthy skin and hair, and how to maintain healthy state
A5-	Demonstrate the basic knowledge of pharmacoeconomics, policy, legislation, marketing, administration and distribution of pharmaceutical and cosmetic products as well as ethics of health care.	a3	State different methods of preparation of cosmetic products and methods of evaluation.
		a4	Identify the principles of controlling the body smell, hair disorders and different cosmetic colorants.
		a5	Illustrate safety and compatibility of different cosmetic constituents used in different preparation.

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Knowledge and Understanding to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Knowledge and Understanding		Teaching strategies/methods to be used	Methods of assessment
completing this course, students will be able to:		Lectures methods , Computer based teaching and learning, group discussion and tutorial	Oral Exam, Quizzes, Attendance, Participation, Short answers, reports, homework, and Written exam.
a1-	Define the different cosmetic products using different bases and different additives.		
a2-	Define the different cosmetic products using different bases and different additives.		
a3	State different methods of preparation of cosmetic products and methods of evaluation.		
a4	Identify the principles of controlling the body smell, hair disorders and different cosmetic colorants.		

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



a5	Illustrate safety and compatibility of different cosmetic constituents used in different preparation.	
----	---	--

(B) Intellectual Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **Intellectual skills**

Program Intended Learning Outcomes (Sub-PILOs) in Intellectual skills		Course Intended Learning Outcomes (CILOs) of Intellectual Skills	
After completing this program, students will be able to:		After completing this course, students will be able to:	
B2-	Categorize the synthetic and natural drugs according to their mechanism of action, systemic effect, therapeutic uses, contraindication and toxicity.	b1-	Describe the basic concepts involved in the formulation and manufacture of cosmetic products.
B3-	Design different types of safe and effective pharmaceutical dosage forms and develop novel methods of analysis for pharmaceutical and biopharmaceutical products that support pharmaceutical research.	b2-	Evaluate factors affecting preparation and evaluation of different cosmetic preparations
		b3-	Select the best equipment and/or operational line to perform pharmaceutical operation.
		b4	Diagrammatically design the studied equipments for each operation.

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Intellectual Skills to Teaching Methods and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Intellectual Skills.		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		Lectures methods, Group Discussion, Problem solving sessions, brainstorming and	Oral Exam, Quizzes, Attendance, Participation, Short answers, reports, homework, and Written exam.
b1-	Describe the basic concepts involved in the formulation and manufacture of cosmetic products.		

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



b2-	Evaluate factors affecting preparation and evaluation of different cosmetic preparations	Computer based teaching and learning	
b3-	Select the best equipment and/or operational line to perform pharmaceutical operation.		
b4	Diagrammatically design the studied equipments for each operation.		

(C) Professional and Practical Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and Practical Skills

Program Intended Learning Outcomes (Sub-PILOs) in Professional and Practical Skills		Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills	
After completing this program, students will be able to:		After completing this course, students will be able to:	
C3-	Extract, isolate, purify, identify, standardize, formulate natural products and assure their rational use.	c1-	Classify the different cosmetic products and compare the characteristic. difference between them
		c2	Compound, prepare and design different cosmetic formulations.
		c3-	Perform the quality control tests and evaluate some cosmetic products

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Professional and Practical Skills to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		Lectures methods Practical session, brainstorming and group discussion	Practical works, homework, practical exam and practical reports
c1-	Classify the different cosmetic products and compare the characteristic. difference between them		

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



c2	Compound, prepare and design different cosmetic formulations.		
c3-	Perform the quality control tests and evaluate some cosmetic products		

(D) General / Transferable Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: **General and Transferable skills**

Program Intended Learning Outcomes (PILOs) in General / Transferable skills		Course Intended Learning Outcomes (CILOs) in General / Transferable skills	
After completing this program, students will be able to:		After completing this course, students will be able to:	
D1-	Practice independent learning needed for continuous professional Development.	d1-	Classify different additives used in cosmetic preparations.
D4-	Take responsibility for adaptation to change needs in pharmacy practice.	d2	Demonstrate different methods of preparation, evaluation of cosmetic preparations, critical thinking, problem solving, decision-making abilities, leadership and team working abilities.

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of General and Transferable skills to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in General and Transferable Skills		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		Small group discussions, Tutorials and Practical session	Homework and reports.
d1-	Classify different additives used in cosmetic preparations.		
d2	Demonstrate different methods of preparation, evaluation of cosmetic preparations, critical thinking, problem solving, decision-making abilities, leadership and team working abilities.		

V. Course Content:

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



1 – Course Topics/Items:

a – Theoretical Aspect

Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Introduction to cosmetic science	a1,b1,d1-2	Introduction to cosmetic science and health care products. History.	1	1
2	Skin diseases & disorders. Skin care, sunscreen & skin bleaches products.	a2, a4, a5, ,d1-2	Human skin structure & function Cosmetic specifications Cosmetic Product Forms. Skin physiology Skin Functions Dry Skin Mixed Skin Sensitive Skin	1	1
3	Hair structure, function & disorders.	a2, a4, a5,,d1-2	Hair regions Morphologically Chemical Composition Hair Loss & treatment Treatment of alopecia	1	1
4	Anti-perspirants & deodorants	a2, a4, a5 ,d1-2	-Odor, Sebum, Perspiration, Sweat glands, Sweat, Physiological action, -Odor and Methods to reduce or control auxiliary odor. Antiperspirants mechanisms Deodorants/ingredients. Risks.	1	1
5	Foundation, lipstick & nail cosmetic preparations	a4, a5, b3, b4 ,d1-2	Characters Preparation	1	1

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



6	Creams, s and shaving preparations	a1, a3, b3, b4, d1	Types Characters Preparation	1	1
7	Mid – Exam	a1-5,b1-4		1	1
8	Shampoos & conditioners.	a1, a3, b3, b4, d1	Types A well formulated shampoo Additives Shampoo benefits Effect of shampoo on hair	1	1
9	Dandruff and its control	a2, b3 ,d1-2	Causes Treatment Formulation	1	1
10	Hair tonics, colorants, waving & Straighteners preparation	a1, a3, b3, d1	Advantages & disadvantage Preparation	1	1
11	Depilatories Perfumes	a3, a4, b3,d1-2	Historical perspective Odor classification Quality assurance Solvents	1	1
12	The tooth and oral health – Dentifrices, abrasives and anticaries	a1, a3, b3, d1	Tooth Anatomy Dental Caries Maintaining oral hygiene Oral care products 1.Toothpaste 2.Mouthwash 3.TeethWhitening	1	1
13	Quality control of cosmetic products	a3, b2, d2	Thermal Stability Photosensitivity	3	3
			Physical/Chemical Stability Tests:		
14	Final Exam	a1-5,b1-4		1	1
Number of Weeks /and Units Per Semester				16	16

b- Practical Aspect:

Order	Practical Tasks	CILOs (symbols)	Number of weeks	Contact hours		
	رئيس الجامعة ا.د. ماجد ا.د. القاسم محمد عباس	عميدة مركز التطوير وضمان الجودة ا.م.د. هدى العماد	عميد الكلية د. خالد الشوية	رئيس القسم ا.د. ماجد علوان	نائب العميد لشؤون الجودة ا.د. محمود البريهي	الموصف علوان



1	Introduction and cosmetic principle	c1-2,d1	1	2
2	Cream	c1-3,d1-2	1	2
3	Cream	c1-3,d1-2	1	2
4	Shampoo	c1-3,d1-2	1	2
5	Shampoo	c1-3,d1-2	1	2
6	Skin care, sunscreen & skin bleaches products.	c1-3,d1-2	1	2
7	Mid exam	c1-3	1	2
8	Anti-perspirants & deodorants	c1-3,d1-2	1	2
9	Lipstik	c1-3,d1-2	1	2
10	Paste	c1-3,d1-2	1	2
11	Soaps	c1-3,d1-2	1	2
12	Lotion	c1-3,d1-2	2	2
13	Mascara, eye shadow, nail paints,	c1-3,d1-2	1	2
14	Depilatories Perfumes	c1-3,d1-2	1	2
16	Final exam.	c1-3	1	2
Number of Weeks /and Units Per Semester			16	32

VI. a-Teaching strategies of the course:

Lecture method, Group Discussion, Problem solving sessions tutorials, brainstorming and Practical sessions.

b- Assessment Methods:

الموصف
رئيس الجامعة ا.د. ماجد
عميد الكلية
رئيس القسم
نائب العميد لشؤون الجودة
الموظف
ا.د. القاسم محمد عباس
عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد
د. خالد الشوبية
ا.د. ماجد علوان
ا.د. محمود البريهي
علوان



Oral Exam, Quizzes, Attendance, Participation, Short answers, reports, homework, and Written exam Practical works, practical exam and practical reports.

VII. Assignments:

No.	Assignments	Aligned CILOs (symbols)	Week Due	Mark
1	Homework Assignments	a1-5, b1-4, d1-2	Sporadic through the semester	10
2	Reports	c1-3, d1-2		

VIII. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)
1.	Attendance, Participation and quizzes	All Weeks	7.5	7%	a1-5, b1-4, d1-2
2.	Oral Tests and Homework assignments	Sporadic through the semester	7.5	7%	a1-5, b1-4, d1-2
3.	Attendance, Practical Reports	All Weeks	10	10%	c1-3
4.	Practical mid-semester exam	11 th	10	10%	c1-3
5.	Theoretical mid-semester exam	6 th	20	20%	a1-5, b1-4
6.	Final Exam (theoretical)	16 th	35	33%	a1-5, b1-4
7.	Final Exam (practical)	16 th	10	13%	c1-3
Total			100	100%	

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



IX. Students' Support:

Office Hours/week	Other Procedures (if any)
Two contact hours per week	None

X. Learning Resource (MLA style or APA style)S:

1- Required Textbook(s) (maximum two)

&	<ol style="list-style-type: none"> Notes on Cosmetics prepared by the department staff. Ansel; H.C., (2011) Pharmaceutical Dosage Forms and drug Delivery Systems'. 9th ed ,Lea Febiger; Philadelphia; London. Aulton, M.E. (ed). (2013) Pharmaceuticals, the design and manufacture of medicines. 4th editio Churchill Livingstone, Edinburgh.
---	--

2- Recommended Readings and Reference Materials

	<ol style="list-style-type: none"> Loyd, V Allen J.,2013, Remington: The Science and Practice of Pharmacy 22nd edition, Pharmaceutical Press, London. Florence, A.T. and Attwood, D., 2006, "Physicochemical principles of pharmacy", 4th edition Pharmaceutical Press, London.
--	---

3- Electronic Materials and Web Sites etc.

	http://www.pharmaceutical technology.com www.pubmed.com www.sciencedirect.com
--	--

4- Other Learning Material:

	<p>J. Pharm. Sci Published articles related to the discussed topics</p>
--	---



XI. Facilities Required:	
1 - Accommodation:	<ul style="list-style-type: none"> - Well-equipped lecture halls with data show facilities, whiteboards, net connection, etc. - Well-equipped laboratories with all required equipment and reagents.
2 - Computing resources:	<ul style="list-style-type: none"> - Computer laboratory with internet facilities.
XII. Course Improvement Processes:	
1- Strategies for obtaining student feedback on effectiveness of teaching	
	<ul style="list-style-type: none"> ▪ Student-based assessment of the effectiveness of teaching using a questionnaire designed by the Quality Assurance Unit at the end of the semester. ▪ Meeting with students and faculty (once per semester).
2- Other strategies for evaluation of teaching by the instructor or by the department.	
	<ul style="list-style-type: none"> ▪ Assessment of the course syllabus and contents by the teachers using a questionnaire designed by the Quality Assurance Unit of the university at the end of the semester. ▪ Regular meeting and discussion of the course content between the Head of Department and the teaching staff of the course (for theory and practice).
3- Processes for improvement of teaching.	
	<ul style="list-style-type: none"> ▪ Revision of the course specification and its teaching strategies every three academic years after consideration of all issues raised by the teachers and/or students during regular meetings and discussions. ▪ Exploring any possible defects in the course that might encountered by the teaching staff and their mitigation in subsequent improved versions of course specification.
4- Processes for verifying standards of students' achievement	
	<ul style="list-style-type: none"> ▪ Checking of a sample of students' work by an independent faculty member. ▪ Periodic exchange and check marking of a sample of students' assignments with a faculty member from another institution. ▪ Adoption of scoring rubrics to assess the students' achievement (both for ongoing or summative

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



	assessments). ▪ Regular follow-up of laboratory logbooks to assess the practical achievement of students.
5- Procedures for periodically reviewing of course effectiveness and planning for improvement	
	▪ Student rating and feedback ▪ Peer rating and feedback ▪ Regular meeting of the Curriculum Committee of the faculty.
6- Course development plans	
	▪ Conducting regular workshops for the staff for improving their course specification skills. ▪ Regular revision of course specification and syllabus items.

XIII. Course Policies: (including plagiarism, academic honesty, attendance etc)	
The University Regulations on academic misconduct will be strictly enforced. Please refer to -----	
1	Class Attendance: ▪ Attendance of all lectures and practical sessions is required. Unexcused absence exceeding 25% of the lectures or practical sessions will disqualify the student from entering the final exam.
2	Tardy: - Roll will be called in the very beginning of each lecture and practical class. Retardation for more than three weeks without a reasonable excursion, the student involved shall not be allowed to attend the class any longer and consequently shall be considered to be absent.
3	Exam Attendance/Punctuality: ▪ Exam attendance is obligatory unless being excused by the department and faculty. ▪ Absence from assignments or exams will dealt with according to the general policy of the university.
4	Assignments & Projects: ▪ Assignments: Written and oral; Laboratory logbook signed by the responsible demonstrator. ▪ Projects: Not applicable.



5	<p>Cheating:</p> <ul style="list-style-type: none"> Punishment of cheating will be according to the general policy of the university in this respect.
6	<p>Plagiarism:</p> <ul style="list-style-type: none"> Plagiarism in written essays, reports, etc. is not accepted, and students who plagiarize the works of others will be punished according to the general policy of the university.
7	<p>Other policies:</p> <ul style="list-style-type: none"> General policies of the Students' Affairs of the University and the Quality Assurance Unit.

Course Plan of Cosmetics

I. - Information about Faculty Member Responsible for the Course:		
Name of Faculty Member	Prof. Dr. Maged Alwan	Office Hours

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



Location & Telephone No.		SAT	SUN	MON	TUE	WED	THU
E-mail							

II. Course Identification and General Information:						
1-	Course Title:	Cosmetics				
2-	Course Number & Code:	Ph2922				
3-	Credit hours: 2hrs	C.H				Total
		Th.	Seminar	Pr.	F. Tr.	
		1	-	2		2
4-	Study level/year at which this course is offered:	5 th year/1 st semester				
5-	Pre –requisite (if any):	Pharmaceutics I-IV				
6-	Co –requisite (if any):					
7-	Program (s) in which the course is offered	Bachelor of Pharmacy				
8-	Language of teaching the course:	English				
9-	System of Study:	Semesters				
10-	Mode of delivery:	Regular				
11-	Location of teaching the course:	Faculty of Pharmacy-Sana'a University				

III. Course description:

Topics will cover structure, functions, disorders of skin and hair. Also formulation, manufacture, evaluation, testing and selection of best natural or synthetic materials to prepare safe and legal cosmetic preparations.

IV. Intended learning outcomes (ILOs) of the course:

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



At the end of this course, the students will be able to:

1. Define the different cosmetic products using different bases and different additives
2. Report the specifications of healthy skin and hair, and how to maintain healthy state
3. State different methods of preparation of cosmetic products and methods of evaluation
4. Identify the principles of controlling the body smell, hair disorders and different cosmetic colorants.
5. Illustrate safety and compatibility of different cosmetic constituents used in different preparation.
6. Describe the basic concepts involved in the formulation and manufacture of cosmetic products
7. Evaluate factors affecting preparation and evaluation of different cosmetic preparations.
8. Select the best equipment and/or operational line to perform pharmaceutical operation.
9. Diagrammatically design the studied equipments for each operation.
10. Classify the different cosmetic products and compare the characteristic. difference between them
11. Compound, prepare and design different cosmetic formulations
12. Perform the quality control tests and evaluate some cosmetic products
13. Classify different additives used in cosmetic preparations
14. Demonstrate different methods of preparation, evaluation of cosmetic preparations, critical thinking, problem solving, decision-making abilities, leadership and team working abilities

V. Course Content:

1 – Course Topics/Items:

a – Theoretical Aspect

Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Introduction to cosmetic science	a1,b1,d1-2	Introduction to cosmetic science and health care products. History.	1	1
2	Skin diseases & disorders. Skin care, sunscreen & skin bleaches products.	a2, a4, a5, ,d1-2	Human skin structure & function Cosmetic specifications Cosmetic Product Forms. Skin physiology Skin Functions	1	1

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



			Dry Skin Mixed Skin Sensitive Skin		
3	Hair structure, function & disorders.	a2, a4, a5,,d1-2	Hair regions Morphologically Chemical Composition Hair Loss & treatment Treatment of alopecia	1	1
4	Anti-perspirants & deodorants	a2, a4, a5 ,d1-2	-Odor, Sebum, Perspiration, Sweat glands, Sweat, Physiological action, -Odor and Methods to reduce or control auxiliary odor. Antiperspirants mechanisms Deodorants/ingredients. Risks.	1	1
5	Foundation, lipstick & nail cosmetic preparations	a4, a5, b3, b4 ,d1-2	Characters Preparation	1	1
6	Creams, s and shaving preparations	a1, a3, b3, b4, d1	Types Characters Preparation	1	1
7	Mid – Exam	a1-5,b1-4		1	1
8	Shampoos & conditioners.	a1, a3, b3, b4, d1	Types A well formulated shampoo Additives Shampoo benefits Effect of shampoo on hair	1	1
9	Dandruff and its control	a2, b3 ,d1-2	Causes Treatment Formulation	1	1
10	Hair tonics, colorants, waving & Straighteners preparation	a1, a3, b3, d1	Advantages & disadvantage Preparation	1	1

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميد الكلية
د. خالد الشوية
عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



11	Depilatories Perfumes	a3, a4, b3,d1-2	Historical perspective Odor classification Quality assurance Solvents	1	1
12	The tooth and oral health – Dentifrices, abrasives and anticaries	a1, a3, b3, d1	Tooth Anatomy Dental Caries Maintaining oral hygiene Oral care products 1.Toothpaste 2.Mouthwash 3.TeethWhitening	1	1
13	Quality control of cosmetic products	a3, b2, d2	Thermal Stability Photosensitivity Physical/Chemical Stability Tests:	3	3
14	Final Exam	a1-5,b1-4		1	1
Number of Weeks /and Units Per Semester				16	16

b- Practical Aspect:

Order	Practical Tasks	CILOs (symbols)	Number of weeks	Contact hours
1	Introduction and cosmetic principle	c1-2,d1	1	2
2	Cream	c1-3,d1-2	1	2
3	Cream	c1-3,d1-2	1	2
4	Shampoo	c1-3,d1-2	1	2
5	Shampoo	c1-3,d1-2	1	2
6	Skin care, sunscreen & skin bleaches products.	c1-3,d1-2	1	2
7	Mid exam	c1-3	1	2
8	Anti-perspirants & deodorants	c1-3,d1-2	1	2
9	Lipstik	c1-3,d1-2	1	2

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوبية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



10	Paste	c1-3,d1-2	1	2
11	Soaps	c1-3,d1-2	1	2
12	Lotion	c1-3,d1-2	2	2
13	Mascara, eye shadow, nail paints,	c1-3,d1-2	1	2
14	Depilatories Perfumes	c1-3,d1-2	1	2
16	Final exam.	c1-3	1	2
Number of Weeks /and Units Pr Semester			16	32

VI. a-Teaching strategies of the course:

Lecture method, Group Discussion, Problem solving sessions tutorials, brainstorming and Practical sessions.

b- Assessment Methods:

Oral Exam, Quizzes, Attendance, Participation, Short answers, reports, homework, and Written exam Practical works, practical exam and practical reports.

VII. Assignments:

No.	Assignments	Aligned CILOs (symbols)	Week Due	Mark
1	Homework Assignments	a1-5, b1-4, d1-2	Sporadic through the semester	10
2	Reports	c1-3, d1-2		

VIII. Schedule of Assessment Tasks for Students During the Semester:

الموصف
رئيس القسم
عميد الكلية
عميدة مركز التطوير وضمان الجودة
نائب العميد لشؤون الجودة
رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس
د. خالد الشوبية
ا.م.د. هدى العماد
ا.د. محمود البريهي
علوان



No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)
8.	Attendance, Participation and quizzes	All Weeks	7.5	7%	a1-5, b1-4, d1-2
9.	Oral Tests and Homework assignments	Sporadic through the semester	7.5	7%	a1-5, b1-4, d1-2
10.	Attendance, Practical Reports	All Weeks	10	10%	c1-3
11.	Practical mid-semester exam	11 th	10	10%	c1-3
12.	Theoretical mid-semester exam	6 th	20	20%	a1-5, b1-4
13.	Final Exam (theoretical)	16 th	35	33%	a1-5, b1-4
14.	Final Exam (practical)	16 th	10	13%	c1-3
Total			100	100%	

IX. Students' Support:

Office Hours/week	Other Procedures (if any)
Two contact hours per week	None

رئيس الجامعة ا.د. ماجد
ا.د. القاسم محمد عباس

عميدة مركز التطوير وضمان الجودة
ا.م.د. هدى العماد

عميد الكلية
د. خالد الشوية

رئيس القسم
ا.د. ماجد علوان

نائب العميد لشؤون الجودة
ا.د. محمود البريهي

الموصف
علوان



X. Learning Resource (MLA style or APA style)S:	
5- Required Textbook(s) (maximum two)	
	4. Notes on Cosmetics prepared by the department staff. 5. Ansel; H.C., (2011) Pharmaceutical Dosage Forms and drug Delivery Systems'. 9th ed ,Lea Febiger; Philadelphia; London. 6. Aulton, M.E. (ed). (2013) Pharmaceutics, the design and manufacture of medicines. 4th editio Churchill Livingstone, Edinburgh.
6- Recommended Readings and Reference Materials	
	3. Loyd, V Allen J.,2013, Remington: The Science and Practice of Pharmacy 22nd edition, Pharmaceutical Press, London. 4. Florence, A.T. and Attwood, D., 2006, "Physicochemical principles of pharmacy", 4th edition Pharmaceutical Press, London.
7- Electronic Materials and Web Sites etc.	
	http://www.pharmaceutical technology.com
	www.pubmed.com www.sciencedirect.com
8- Other Learning Material:	
	J. Pharm. Sci Published articles related to the discussed topics

XI. Facilities Required:

1 - Accommodation:	<ul style="list-style-type: none"> - Well-equipped lecture halls with data show facilities, whiteboards, net connection, etc. - Well-equipped laboratories with all required equipment and reagents.
3 - Computing resources:	<ul style="list-style-type: none"> - Computer laboratory with internet facilities.

XII. Course Improvement Processes:

6- Strategies for obtaining student feedback on effectiveness of teaching

الموصف	رئيس القسم	عميد الكلية	عميدة مركز التطوير وضمان الجودة	نائب العميد لشؤون الجودة	رئيس الجامعة ا.د. ماجد
علوان	ا.د. ماجد علوان	د. خالد الشوية	ا.م.د. هدى العماد	ا.د. محمود البريهي	ا.د. القاسم محمد عباس



	<ul style="list-style-type: none"> Student-based assessment of the effectiveness of teaching using a questionnaire designed by the Quality Assurance Unit at the end of the semester. Meeting with students and faculty (once per semester).
7- Other strategies for evaluation of teaching by the instructor or by the department.	
	<ul style="list-style-type: none"> Assessment of the course syllabus and contents by the teachers using a questionnaire designed by the Quality Assurance Unit of the university at the end of the semester. Regular meeting and discussion of the course content between the Head of Department and the teaching staff of the course (for theory and practice).
8- Processes for improvement of teaching.	
	<ul style="list-style-type: none"> Revision of the course specification and its teaching strategies every three academic years after consideration of all issues raised by the teachers and/or students during regular meetings and discussions. Exploring any possible defects in the course that might encountered by the teaching staff and their mitigation in subsequent improved versions of course specification.
9- Processes for verifying standards of students' achievement	
	<ul style="list-style-type: none"> Checking of a sample of students' work by an independent faculty member. Periodic exchange and check marking of a sample of students' assignments with a faculty member from another institution. Adoption of scoring rubrics to assess the students' achievement (both for ongoing or summative assessments). Regular follow-up of laboratory logbooks to assess the practical achievement of students.
10- Procedures for periodically reviewing of course effectiveness and planning for improvement	
	<ul style="list-style-type: none"> Student rating and feedback Peer rating and feedback Regular meeting of the Curriculum Committee of the faculty.
6- Course development plans	



- Conducting regular workshops for the staff for improving their course specification skills.
- Regular revision of course specification and syllabus items.

XIII. Course Policies: (including plagiarism, academic honesty, attendance etc)

The University Regulations on academic misconduct will be strictly enforced. Please refer to -----

1	Class Attendance: <ul style="list-style-type: none"> ▪ Attendance of all lectures and practical sessions is required. Unexcused absence exceeding 25% of the lectures or practical sessions will disqualify the student from entering the final exam.
2	Tardy: <p>- Roll will be called in the very beginning of each lecture and practical class. Retardation for more than three weeks without a reasonable excursion, the student involved shall not be allowed to attend the class any longer and consequently shall be considered to be absent.</p>
3	Exam Attendance/Punctuality: <ul style="list-style-type: none"> ▪ Exam attendance is obligatory unless being excused by the department and faculty. ▪ Absence from assignments or exams will dealt with according to the general policy of the university.
4	Assignments & Projects: <ul style="list-style-type: none"> ▪ Assignments: Written and oral; Laboratory logbook signed by the responsible demonstrator. ▪ Projects: Not applicable.
5	Cheating: <ul style="list-style-type: none"> ▪ Punishment of cheating will be according to the general policy of the university in this respect.
6	Plagiarism: <ul style="list-style-type: none"> ▪ Plagiarism in written essays, reports, etc. is not accepted, and students who plagiarize the works of others will be punished according to the general policy of the university.
7	Other policies: <ul style="list-style-type: none"> ▪ General policies of the Students' Affairs of the University and the Quality Assurance Unit.