

Name of Faculty		College of Pharmacy		L:1 T:1		
Name of Course		Pharmacy		Credits: 2		
Subject/Paper		Cosmetic Science		Paper Code	Ph-01	Marks: 50
Course Objectives: (Imparting transferable and Life Skills about cosmetics, their preparations and herbal formulations)		Upon completion of this subject the student should be able to 1) Describe and classify cosmetics and principles of formulation and building blocks of skin care, hair care products. 2) Understand and appreciate the role of herbs in cosmetics. 3) Elucidate the principles of cosmetics evaluation. 4) Identify various problems associated with hair & scalp and design solution to these type of problems.				
Course Coordinator Name:		Dr Suman Rohilla		Class Time:	Day	Wednesday
Contact:		rh.suman@gmail.com +91-9910025635				
Unit	Sub Units	Time (hrs)	Topic	Teaching Methodology		Assessment Method
Unit-I	1.1	10	a) Definition of cosmetics as per Indian and EU regulations, Evolution of cosmeceuticals from cosmetics, cosmetics as quasi and OTC drugs.	Student Interactive Session (Sis)		Class test Group assignment
			Dr Vijay Bhalla			

	1.2		b) Classification of cosmetic and cosmeceutical products.	Practical demonstration of various cosmetic preparations	Written reflective Evaluation	
	1.3		c) Cosmetic excipients: Surfactants, rheology modifiers, humectants emollients and preservatives.	Laboratory preparation and role of various cosmetic excipients	Classroom Presentation Single Response Answer Multiple Response Answer	
Unit-II	1.1	10	a) Principles of formulation and building blocks of skin care products: Face wash, Moisturizing cream, Cold Cream, Vanishing cream and their advantages and disadvantages. Application of these products in formulation of cosmeceuticals.	STUDENT INTERACTIVE SESSION (SIS) STUDENT Group discussions. Class Assignments	Class test Single Response Answer Multiple Response Answer	Dr Vandna Chaudhary

			Antiperspirants & deodorants, mechanism of action.			
1.2			b) Principles of formulation and building blocks of Hair care products: Conditioning shampoo, Hair conditioner, anti-dandruff shampoo. Hair oils. Chemistry and formulation of <i>para</i> -phenylenediamine based hair dye.	STUDENT INTERACTIVE SESSION (SIS) Video Tutorial	Group assignment Multiple question survey	
1.3			c) Principles of formulation and building blocks of oral care products: Toothpaste for bleeding gums, sensitive teeth. Teeth whitening, Mouthwash.		Multiple question survey	
1.4			d) Cosmetic problems associated with Hair	Integrated Teaching	Group assignment	

			and scalp: Dandruff, Hair fall causes.			
	1.5		e) Cosmetic problems associated with skin: blemishes, wrinkles, acne, prickly heat and body odor.	Teacher Seminar Problem based Teaching	Class test	
	1.6		f) Oily and dry skin, causes leading to dry skin, skin moisturisation. Basic understanding of the terms Comedogenic, dermatitis.	On spot Group Discussion	Objective type Fish Bowl Technique Single Response Answer Multiple Response Answer	
	1.7		g) Antiperspirants and Deodorants- Actives and mechanism of action	SIS	Brainstorming Class test	
Unit-III	1.1	10	a) Role of herbs in cosmetics: Skin Care: Aloe and turmeric, Hair care: Henna and amla,	SIS Student Seminar	Class test	Dr. Nassar Mallick

			Oral care: Neem and clove			
	1.2		<p>b) Analytical cosmetics: BIS specification and analytical methods for shampoo, skin-cream and toothpaste.</p> <p>Principles of Cosmetic Evaluation: Quality control and stability studies.</p>	Practical demonstration of various analytical methods.	<p>Practical Assessment</p> <p>Viva-voce</p>	