

INSTITUTE	FACULTY OF PHARMACY
PROGRAM	BACHELOR OF PHARMACY
SEMESTER	4
COURSE TITLE	PHARMACEUTICAL COSMETIC SCIENCE
COURSE CODE	13OE0003
COURSE CREDITS	3

Objective:

- 1 This subject deals with cosmetic products, cosmetic excipients, skincare products, and their methods of preparation and evaluation.

Course Outcomes: After completion of this course, student will be able to:

- 1 After completion of the course, students can know,
 1. Know the regulations about cosmetics and cosmetic excipients.
- 2 They will be knowing the preparations of various skincare products like creams, antiperspirants, deodorants, hair care products, etc.
- 3 They also know about the role of herbs in sunscreens.

Pre-requisite of course: It is an open elective subject. Hence, it does not have any pre-requisitions.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
3	0	0	50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	Classification of cosmetic and cosmeceutical products Definition of cosmetics as per Indian and EU regulations, Evolution of cosmeceuticals from cosmetics, cosmetics as quasi and OTC drugs. Cosmetic excipients: Surfactants, rheology modifiers, humectants, emollients, and preservatives. Classification and application. Skin: Basic structure and function of the skin. Hair: Basic structure of the hair. Hair growth cycle. Oral cavity: Common problem associated with teeth and gums.	10

Contents : Unit	Topics	Contact Hours
2	Principles of formulation and building blocks of skincare products Face wash, Moisturizing cream, Cold Cream, Vanishing cream, and their advantages and disadvantages. Application of these products in the formulation of cosmeceuticals. Antiperspirants & deodorants: Actives & mechanism of action. Principles of formulation and building blocks of Haircare products: Conditioning shampoo, Hair conditioner, anti-dandruff shampoo. Hair oils. Chemistry and formulation of Para-phenylene diamine-based hair dye. Principles of formulation and building blocks of oral care products: Toothpaste for bleeding gums, and sensitive teeth. Teeth whitening, Mouthwash.	10
3	Sun protection, classification of sunscreens and SPF Role of herbs in cosmetics, Skin Care: Aloe, and turmeric Haircare, Henna and amla. Oral care: Neem and clove. Analytical cosmetics: BIS specification and analytical methods for shampoo, skin cream, and toothpaste.	10
Total Hours		30

Textbook :

- 1 Harry's Cosmeticology, Wilkinson, Moore, George Godwin, 2011

References:

- 1 Textbook of cosmetology, Textbook of cosmetology, by Sanju Nanda & Roop K. Khar, Tata Publishers, 2010
- 2 Cosmetics – Formulations, Manufacturing and Quality Control, Cosmetics – Formulations, Manufacturing and Quality Control, P.P. Sharma, Vandana Publications Pvt. Ltd., Delhi, 1998
- 3 Textbook of Cosmetics , Textbook of Cosmetics , by M. Vimaladevi, CBS Pubkication, 2012

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
10.00	20.00	25.00	25.00	10.00	10.00