

BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI

INSTRUCTION DIVISION

FIRST SEMESTER 2016-2017

Course Handout (Part II)

Date: 02/08/2016

In addition to Part I (General Handout for all courses appended to the time table) this portion gives further specific details regarding the course.

Course No. : **PHA F422**

Course Title : **Cosmetic Science**

Instructor-in-charge : **D. Anil Jindal**

Instructor : Anuradha, Malek Vajir

1. Scope & Objective of the Course:

This course is intended to give the students an insight into the formulation of cosmetic products utilized for beautification and hygiene. It brings together the various sciences that are involved in the development of formulae of cosmetic products and in evaluation of their qualities. The laboratory component involves some fundamental exercises in the preparation and evolution of formulae of products such as creams, lipsticks, hair care products, nail lacquers, dental care preparations etc..

2. Text Book:

Mithal B.M., Saha R.N., A Handbook of Cosmetics, 1st Ed., Vallabh Prakashan, Delhi, 2006.

3. Reference Books:

- i) Harrys Cosmetology.
- ii) Balsam and Sagarin, Cosmetics: Science and Technology
- iii) Thomssen E.G. Modern Cosmetics, Universal Publishing Corporation..

4.A. Course Plan:

Topic	No. of Lectures	Ref. to Text Book
Cosmetics – AN INTRODUCTION	1	Ch.1
Structure of Skin	1	Ch.2
Skin Creams	3	Ch.5
Sunscreen preparations	1	Ch.6
Other skin preparations	3	Ch.3,4
Structure of Hair	1	Ch.7
Shampoos, conditioners and Antidandruff products	3	Ch.8,9,11
Hair colorants ,Hair Removers and Shaving Preparations	3	Ch.10, 13, 14
Structure of Nail	1	Ch.15
Nail lacquers and removers	2	Ch.16, 17
Tooth and Oral cavity	1	Ch.18
Dental care products	3	Ch.19, 20
Use of surfactants and other ingredients in cosmetics	3	Appendix II
Evaluation of cosmetic products	2	Ref 1
Regulatory aspects of cosmetics	1	Appendix I
Nanotechnology and cosmetics	1	Ch.1

B. Practicals:

Name of Experiments	No of Practical Hours	Reference
Formulation of different cosmetics like skin creams, lipsticks, shampoos, tooth pastes, mouthwashes, deodorants etc	15 Lab Hours (each of 2 hours)	Different chapters of text book

5. Evaluation Scheme :

Component	Duration	Weightage (%)	Date & Time	Remarks
Surprise Tests*/ Assignments**	10 min/ Home assignment	10		Close Book
Mid-Term Test	90 minutes	30	7/10 2:00 - 3:30 PM	Open book and close book
Laboratory Components ^{\$}		30	Lab hours	OB/CB
Comprehensive Exam	3 hrs	30	7/10 2:00 - 3:30 PM	Close book

* Surprise tests will be conducted during class/tutorials on the basis of topics covered in class

** Assignments will be given to do at home and submit next class

\$ Lab component : Day to day work 10 % ; Lab. Quiz 5%; Lab. Compre. 10%, viva 5%

6. Mid-semester Grading: It will be done after the Mid-Term Test.

7. Grading Procedure: It is expected the students will attend classes regularly. The student shall not be considered as exposed to the course, unless he/she demonstrates appreciable skill in both laboratory and theory components of the course. Attending tutorial and appearing surprise quiz is very important. Students not appeared in any quiz may not be considered exposed to the course. In border line cases subjective judgement, based on attendance in lecture/practical classes, lab performance, appearing in quiz and involvement in the course, will be used to award grade. Laboratory attendance is must and no make up will be given.

8. Make-up- policy:

The facility of make-up tests is meant to take care of unavoidable absence from scheduled tests. It is expected that the students will keep faith in this respect and avoid any misuse of this useful feature. There will be no insistence on certificates but all decisions to give or not to give make-up tests would be based on mutual faith and trust.

9. Chamber Consultation Hours : To be announced in the class.

10. Notices: All notices, concerning the course will be displayed on the notice board of the Pharmacy Group.

Instructor-in-Charge

PHA F422