



Course Syllabus

Course Code	Course Title	ECTS Credits
IMPH-470	Cosmetics/ Καλλυντικά	4
Prerequisites	Department	Semester
None	Health Sciences	Fall / Spring
Type of Course	Field	Language of Instruction
Elective	Pharmacy	English
Level of Course	Lecturer	Year of Study
1 st Cycle	Dr Marios Stylianou	4 th
Mode of Delivery	Work Placement	Co-requisites
Face-to-Face	N/A	None

Course Objectives:

The main objectives of the course are to:

- Describe the anatomy and functions of skin and related structures (e.g., nail, hair), and correlate them with the preparation and usage of cosmetic products;
- Indicate the basic ingredients used for the preparation of cosmetic products and explain their function and properties;
- Elaborate on the classification, preparation and usage of cosmetic products used on the skin, hair, nails, eyes, lips and mouth cavity;
- Discuss the legislation governing cosmetic manufacturing, safety assessment, market placement, control and promotion.

Learning Outcomes:

After completion of the course students are expected to be able to:

1. Recognize the anatomical construction of skin and related structures (hair, nails).
2. Know the ingredients used for the preparation of a cosmetic products and their properties.
3. Identify the functionality of each ingredient in a given recipe for a cosmetic product.
4. Select the appropriate ingredients and preparation method for the formulation of a cosmetic product.
5. Determine the effectiveness of a product by evaluating the list of its ingredients.
6. Understand the technology of cosmetic products, e.g., emulsions, solutions, creams, etc.

7. Describe the different categories of cosmetics products prepared for use on the hair, skin, nails, eyes, lips and mouth cavity.
8. Overview the issues related to cosmetic product safety assessment.
9. Explain the EU legislation on cosmetic manufacturing and market placement.

Course Content:

- Skin anatomy and physiology.
- Definition of cosmetics and comparison with drug products.
- Structure, properties and functions of ingredients used for the preparation of cosmetic products, such as solvents, humectants, surfactants, emollients, antioxidants, antiseptics, dyes, preservatives, fragrances, UV filters, etc.
- Toxicological aspects of cosmetics.
- Formulation considerations and preparation methods for various cosmetic products, such as creams, lotions, shampoos, shower gels, make up, eye shadows, lipsticks, toothpastes, hair dyes, etc.
- EU legislation on cosmetic products.

Learning Activities and Teaching Methods:

Lectures, class discussion, assignments

Assessment Methods:

Midterm Examination, Final Examination

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Harry's Cosmeticology 8th Edition	Ralph Gordon Harry	Chemical Publishing Company	2000	9780820603728
Formulas, Ingredients and Production of Cosmetics	Iwata, Hiroshi, Shimada, Kuni	Springer	2013	9784431540618

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Cosmetic Chemistry	F. Barrett-Hill and R. Hill	Virtual Beauty Corporation	2009	9780473124670
Chemistry and Manufacture of Cosmetics, 4 th edition	M. Schlossman	Allured Pub Corp	2009	9781932633481
Handbook of Cosmetic Science and Technology, 3rd Edition	André O. Barel, Marc Paye, Howard I. Maibach	CRC Press	2009	9781420069631