



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

DEPARTMENT OF PHARMACY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY OF PATRAS
SCHOOL OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
UNDERGRADUATE STUDIES' COURSES



COURSE DESCRIPTION: **CHEMISTRY AND TECHNOLOGY OF COSMETICS**
COURSE CODE: **PHA-E23-NEW**

**CHEMISTRY AND TECHNOLOGY OF COSMETICS
COURSE DESCRIPTION**

1. GENERAL

SCHOOL	HEALTH SCIENCES		
SEPARTMENT	PHARMACY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	PHA-E23-NEW	SEMESTER OF STUDIES	10th
COURSE TITLE	CHEMISTRY AND TECHNOLOGY OF COSMETICS		
INDEPENDENT TEACHING ACTIVITIES	TEACHING HOURS PER WEEK	ECTS CREDITS	
Lectures	3	5	
Laboratory Training	3		
COURSE TYPE	Scientific Field course		
PREREQUISITE COURSES:	-		
TEACHING AND ASSESSMENT LANGUAGE:	Greek		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	Yes [Instructed/Guided self study in english for Erasmus+ Students]		
COURSE WEBPAGE (URL)	http://www.pharmacy.upatras.gr/images/DS/PHA-E23-EN.pdf		

2. LEARNING OUTCOMES

Learning Outcomes
<p>The Learning Outcomes of this class corresponding to Level 7 comprise the following:</p> <ul style="list-style-type: none"> • Highly specialized knowledge, some of it cutting-edge in the fields of Chemistry and Technology of Cosmetics, as a base for innovative thinking and research • Critical understanding of the knowledge status in these fields and their interrelationship with other fields • Specialized skills for problem-solving, necessary in research and/or in innovation, in order to generate novel knowledge and processes • Management and evolution in changing, unpredictable and complex work environments, requiring novel strategic approaches • Responsibility for contributing to the enrichment of professional knowledge and practice in the fields <p>After the conclusion of the course, the students will:</p> <ul style="list-style-type: none"> • Know the composition of the cosmetic products • Comprehend the role of ingredients and the applications of final product • Be capable to design new cosmetic products • Know the methods to evaluate cosmetics (quality control) • Be capable of suggesting the appropriate type of cosmetic product for each particular case and explain the actions and way of use of a cosmetic product

General Abilities

- Self-study
- Decision making
- Group study
- Design and execute research and development projects

3. COURSE CONTENT

- i. Skin anatomy and physiology
- ii. Ingredients of cosmetics
- iii. Skin cosmetics
- iv. Cosmetics for the eyes and lips
- v. Cosmetics for oral cavity
- vi. Nail cosmetics
- vii. Hair cosmetics
- viii. Cosmetics Regulation

4. TEACHING AND LEARNING METHODS - ASSESSMENT

Teaching method	Teaching in Class, e-class exercises, self-study	
Use of information and communication technologies	E-class platform	
Teaching organization	Teaching Method	Semester Workload
	Lectures	39
	Lectures	18
	E-class exercises	25
	Unsupervised study	43
	Total number of hours for the Course (25 hours of work-load per ECTS credit)	125
STUDENT ASSESSMENT	Assessment Language: Greek - Written exams - Essays - Exercises Final Grade: performance in written exam (students can see their exam note book and discuss the evaluation with the tutors)	

5. RECOMMENDED LITERATURE

Suggested Books:

1. Cosmetology, George Papaioannou (Isbn: 9780003406009)
2. Cosmetics-Ingredients and Applications K. Mouloupoulou-Karakitsou, D. Rigopoulos (Isbn: 960-7308-87-5)
3. Cosmetology, Vegos Anagnostis (ISBN: 960-390-131-8)
4. T. Mitsui (Editor) New Cosmetic Science, Elsevier, 1997.

Suggested Literature:

- International Journal Of Cosmetics Science (Wiley)
 Cosmetics (Jacs)
 International Journal Of Research In Cosmetic Science (Urp)