



UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

DEPARTMENT OF PHARMACY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY OF PATRAS
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POSTGRADUATE PROGRAM: **COSMETOLOGY - PREPARATION AND EVALUATION
OF COSMETIC PRODUCTS**

COURSE TITLE: **PHYSIOLOGY OF HUMAN SKIN-DERMATOLOGY**
CODE: **PHA-COS-11**

**PHYSIOLOGY OF HUMAN SKIN-DERMATOLOGY
COURSE OUTLINE**

1. GENERAL

SCHOOL	HEALTH SCIENCES		
ACADEMIC UNIT	DEPARTMENT OF PHARMACY		
PARTICIPATING INSTITUTIONS	-		
TITLE of POSTGRADUATE PROGRAM	COSMETOLOGY - PREPARATION AND EVALUATION OF COSMETIC PRODUCTS		
LEVEL	POSTGRADUATE		
COURSE CODE	PHA-COS-11	SEMESTER	A'
COURSE TITLE	PHYSIOLOGY OF HUMAN SKIN-DERMATOLOGY		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Courses	3	6	
COURSE TYPE	Field of Science		
PREREQUISITE COURSES	None		
LANGUAGE of INSTRUCTION and EXAMINATIONS	Greek		
COURSE OFFERED to ERASMUS STUDENTS	No		
COURSE (URL)	http://www.pharmacy.upatras.gr/images/DS/PHA-COS-11_EN.pdf		

2. LEARNING OUTCOMES

Learning Outcomes
By the end of this course the student will be able to know
<ol style="list-style-type: none"> 1. Elements of the anatomy and physiology of the skin 2. The characteristics and properties of the Skin Barrier 3. Skin Immunology Data 4. Dermatological Methods of Studying the Safety of Cosmetic Products (Patch test, "Hypoallergenic" Cosmetic Products)
General Competences
By the end of this course the student will, furthermore, have develop the following general abilities (from the list above):
<i>Decision making</i>
<i>Autonomous (Independent) work</i>
<i>Group work</i>

3. SYLLABUS

<p>LECTURES</p> <ul style="list-style-type: none"> • Anatomy and Physiology of the skin • Characteristics and properties of the Skin Barrier • Immunology of the Skin • Dermatological Methods of Studying the Safety of Cosmetic Products (Patch test, "Hypoallergenic" Cosmetic Products)

4. TEACHING and LEARNING METHODS - EVALUATION

DELIVERY	In the classroom	
USE of INFORMATION and COMMUNICATIONS TECHNOLOGY	Learning process support through the e-class electronic platform to exchange files and lectures and to communicate with students. Lectures and presentations are all done using Information and Communication Technologies (ICTs) and information is searched through relevant databases.	
TEACHING METHODS	<p>Activity</p> <p>Lectures</p> <p>Literature study</p> <p>Assignment – Presentation of a relevant topic from the international literature</p> <p>Course Total (25 hours of work-load per ECTS credit)</p>	<p>Semester Workload</p> <p>60</p> <p>50</p> <p>40</p> <p>150</p>
STUDENT PERFORMANCE EVALUATION	<p>Language of Evaluation: Greek</p> <ol style="list-style-type: none"> 1. Written final exam (80%) which includes <ul style="list-style-type: none"> • Short development questions • Critical thinking Questions 2. Assignment – Presentation of a relevant topic from the international literature (20%) 	

5. RECOMMENDED BIBLIOGRAPHY

<p>Suggested Bibliography:</p> <ol style="list-style-type: none"> 1. Anatomy and Physiology of the Skin 2. Kolarsick, Paul A. J. BS; Kolarsick, Maria Ann MSN 3. Journal of the Dermatology Nurses' Association: July-August 2011 - Volume 3 - Issue 4 - p 203-213 4. Pathogenesis of atopic dermatitis: A short review Egava G et al. Cogent Biology 2015 5. Atopic dermatitis Weidinger S, Novak K. 12;387(10023):1109-1122, Lancet 2016 6. Atopic Dermatitis: Natural History, Diagnosis, and Treatment Simon Francis Thomsen . ISRN Allergy 2014 7. Atopic dermatitis and the therapeutic methods: a literature review Jalil Tavakol Afshari, Mahdi Yousefi, Roshanak Salari. 3 (4): 158-162. Review in Clinical Medicine, 2016
