

COURSE OUTLINE

(1) GENERAL

SCHOOL	HEALTH & CARE SCIENCES		
ACADEMIC UNIT	BIOMEDICAL SCIENCES		
DIVISION	OPTICS AND OPTOMETRY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	5031	SEMESTER	5 th
COURSE TITLE	OCULAR PHARMACOLOGY		
INDEPENDENT TEACHING ACTIVITIES <i>if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits</i>		WEEKLY TEACHING HOURS	CREDITS
Lectures		2	2
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special background		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	GREEK		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	NO		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

<p>Learning outcomes</p> <p><i>The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described. Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i> • <i>Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i> • <i>Guidelines for writing Learning Outcomes</i>
<p>The course aims to understand the visual principles of operation of the human eye and the basic optical instruments Optometry for use in everyday practice in his professional career. Pharmacology in relation to the Eye.</p> <p>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> • be familiar with solving problems and side The aim of the course is to understand the basic elements of ophthalmic Drugs and Eye Drops as well as reactions and consequences administration of ophthalmic preparations. • understand basic concepts of ophthalmic administration and eye drops. • know how to deal with problems and comprehension exercises technological and scientific research methods in its field

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

*Search for, analysis and synthesis of data and information,
with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas*

*Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
.....
Others...
.....*

- Working independently
- Team work

(3) SYLLABUS

- General principles of pharmacology.
- Absorption, distribution, metabolism, mechanisms action and excretion of drugs.
- Nutrient interactions and drugs: -
- Antiglaucoma,
- Mydriatic - Cycloplegic,
- Local anesthetics in pharmacology,
- Vasoconstrictors,
- Antiallergic -antihistamines,
- Corticosteroids,
- Anti-infectives,
- Diuretics,anti-inflammatory non-corticosteroids,
- Fibrinolytic enzymes, OTC preparations.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	In class	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	e-class	
TEACHING METHODS <i>The manner and methods of teaching are described in detail. Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational visits, project, essay writing, artistic creativity, etc. The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS</i>	Activity	Semester workload
	Lectures	26
	Study	34
	Course total	60
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Written final exam (100%)	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Φαρμακολογία, Συγγραφείς: K. Whalen, R. A. HARVEY, ISBN: 9789605830854 .
Theocharis Theocharides : BASIC PHARMACOLOGY

2. Φαρμακολογία, Συγγραφείς: Χανιώτης Φραγκίσκος, Κωδικός Βιβλίου στον Εύδοξο: 41955719
Έκδοση: 1η έκδ./2014 Διαθέτης (Εκδότης): Κ. & Ν. ΛΙΤΣΑΣ Ο.Ε.