

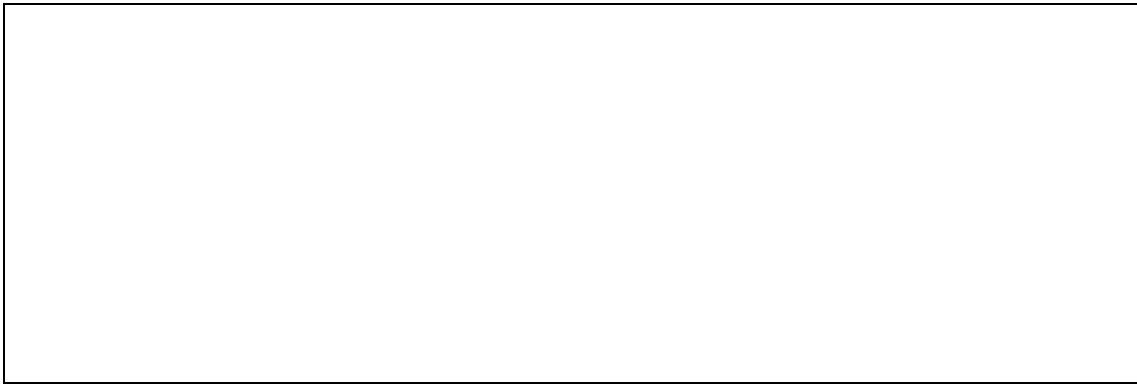
COURSE OUTLINE

(1) GENERAL

SCHOOL	HEALTH & CARE SCIENCES		
ACADEMIC UNIT	BIOMEDICAL SCIENCES		
DIVISION	OPTICS & OPTOMETRY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	4061	SEMESTER	4 th
COURSE TITLE	SYSTEMIC DISEASES OF THE EYE		
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		3	4
<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>	CSC - Compulsory Specialization Courses		
PREREQUISITE COURSES:	3052 ANATOMY OF THE EYE		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

<p>Learning outcomes <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>LEARNING OUTCOMES The aim of the course is to understand the basic elements of systemic diseases in Ophthalmology but also more specialized issues related to eye pathology. To know the symptoms and lesions of the eye, arising from other systems of human body to the eye Upon successful completion of the course the student will be at position:</p> <ul style="list-style-type: none"> • to understand basic concepts of systemic diseases in Ophthalmology • be familiar with the pathology of systemic eye diseases and medical scientific thought • be familiar with ocular pathology issues and data for understanding scientific research methods on objects related to the eye. • to know issues of systemic eye diseases and ways to interact with problems arising during his work



<p>General Competences <i>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?</i></p>	
<p><i>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</i></p>	<p><i>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... </i></p>
<p><i>Working independently Team work</i></p>	

(3) SYLLABUS

Theoretical Part of the Course

Introductory concepts of health - disease - prevention.–. Introductory concepts of immunity
General causes of diseases.

Symptoms with which the diseases are manifested

INFECTIOUS DISEASES, which cause systemic disease and manifestations from

Eye (eg tuberculosis, herpes, staph infection and other germs and viruses (eg CMV-AIDS)

Blood diseases. That General knowledge. Anemias - hemoglobinopathies infection,

hemolytic jaundice Diseases of white blood cells and platelets and how

the eye is involved

Respiratory diseases: General knowledge - about the most common respiratory diseases

Respiratory failure. Chronic Obstructive Pulmonary Disease (COPD). Bronchial asthma

Cancer lung – Oedema of the eyes ,vena cava obstruction.

Circulatory diseases: and General knowledge. Cardiovascular risk factors.

Arteriosclerosis Arterial hypertension and eye lesions. Angina pectoris

insufficiency and how the eye is affected

Main diseases of the digestive system: General knowledge, reference to the most common
diseases and analysis such as (Peptic ulcer.-ileus cancer.)

Liver and biliary diseases (Jaundice, cirrhosis or, hepatocellular carcinoma, hepatitis)

Urinary tract diseases: General knowledge of urinary tract symptoms, and common diseases

Thyroid diseases and eye disease

Collagen and connective tissue diseases: General knowledge,for Autoimmune diseases

And symptoms in the eye in Rheumatoid arthritis, Juvenile rheumatoid arthritis.

Seronegative arthritis. Ankylosing spondylitis.

Systemic lupus erythematosus Scleroderma. Etc. reference to arthritis-Gout or

Gout-Degenerative joint disease (Osteoarthritis).

Neurological diseases and syndromes (HORNERSYNDROME) affecting the eye (stroke-
myasthenia gravis.)-neoplasms.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face-to-face In classroom	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Learning process support through the electronic platform 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,	39
	Study and analysis of bibliography	51
	Course total	90
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>	I. Written final exam (100%)	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. *NETTER ΠΑΘΟΛΟΓΙΑ*, Κωδικός Βιβλίου στον Εύδοξο: 13256980, Έκδοση: 1η έκδ./2011, Συγγραφείς: Runge M., Greganti M.A., ISBN: 978-960-489-278-5, Τύπος: Σύγγραμμα, Διαθέτης (Εκδότης): BROKEN HILL PUBLISHERS LTD
2. *Related academic journals: EYE and VISION, New England journal of medicine, Medscape*