

COURSE OUTLINE

(1) GENERAL

SCHOOL	HEALTH & CARE SCIENCES		
ACADEMIC UNIT	BIOMEDICAL SCIENCES		
DIVISION	OPTICS & OPTOMETRY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	7041	SEMESTER	7 th
COURSE TITLE	LOW VISION & LOW VISION AIDS		
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	4
Labs		2	
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).			
COURSE TYPE <i>general background, special background, specialised general knowledge, skills development</i>	Special background		
PREREQUISITE COURSES:	N/A		
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	N/A		

(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.</i> Consult Appendix A</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 syllabus addresses the main principles underlying low vision and the use of low vision aids. Upon completion of the syllabus the students will:</p> <ul style="list-style-type: none"> • Be able to understand basic principles of low vision aids (LVAs) • Be comfortable with solving problems and the dispensing of LVAs in a frame • Be familiar with solving problems • Be familiar with research methods in the field of low vision

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?

<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>	<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>
<i>Working independently Team work</i>	

(3) SYLLABUS

1. Introduction to low vision, definition, losing vision, types of vision loss, social services, legal framework
2. Measurement of visual acuity, contrast sensitivity, visual fields, Amsler chart
3. Reduced colour vision, photoreceptor dystrophies, optic atrophy, magnification
4. Training in the use of LVAs

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY <i>Face-to-face, Distance learning, etc.</i>	Face to face.	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY <i>Use of ICT in teaching, laboratory education, communication with students</i>	Delivery of the syllabus is supported by 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.</i> <i>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 hours
	Lab	26 hours
	Self study	38 hours
	Course total	90 hours
STUDENT PERFORMANCE EVALUATION <i>Description of the evaluation procedure</i> <i>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</i> <i>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i>	Lectures Final written assessment 100% Labs Practical assessment 50% Written assessment 50%	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Βοηθήματα Χαμηλής Όρασης - Φωτεινάκης, Β. - Αθήνα : Ελλην, 1998
2. Primary low vision care - Rodney W. Nowakowski. - Norwalk, CT : Appleton & Lange, 1994
3. Low visual acuity - by Albert T. Dowie. - London : Association of British Dispensing Opticians, 1988
4. System for ophthalmic dispensing - Brooks, Clifford W. - Boston : Butterworth-Heinemann, 1979
5. The principles of ophthalmic lenses - Jalie, M. - London : The Association of British Dispensing Opticians, 1994
6. Optometric management of learning-related vision problems - Mitchell M. Scheiman, Michael W. Rouse. - St. Louis : Mosby, 1994 Diagnosis and management in vision care

- edited by John F. Amos. - Boston : Butterworths, 1987

7. Vision and reading - edited by Ralph P. Garzia. - St. Louis : Mosby, 1996