

**COURSE OUTLINE**

**(1) GENERAL**

<b>SCHOOL</b>	HEALTH & CARE SCIENCES		
<b>ACADEMIC UNIT</b>	BIOMEDICAL SCIENCES		
<b>DIVISION</b>	OPTICS & OPTOMETRY		
<b>LEVEL OF STUDIES</b>	UNDERGRADUATE		
<b>COURSE CODE</b>	8012	<b>SEMESTER</b>	8 <sup>th</sup>
<b>COURSE TITLE</b>	VISION PSYCHOLOGY		
<b>INDEPENDENT TEACHING ACTIVITIES</b> <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>	<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>	
Lectures	3	4	
<i>Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).</i>			
<b>COURSE TYPE</b> <i>general background, special background, specialised general knowledge, skills development</i>	SPECIFIC BACKGROUND		
<b>PREREQUISITE COURSES:</b>			
<b>LANGUAGE OF INSTRUCTION and EXAMINATIONS:</b>	Greek		
<b>IS THE COURSE OFFERED TO ERASMUS STUDENTS</b>	No		
<b>COURSE WEBSITE (URL)</b>	N/A		

**(2) LEARNING OUTCOMES**

<p><b>Learning outcomes</b>  <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"> <li>• <i>Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area</i></li> <li>• <i>Descriptors for Levels 6, 7 &amp; 8 of the European Qualifications Framework for Lifelong Learning and Appendix B</i></li> <li>• <i>Guidelines for writing Learning Outcomes</i></li> </ul>
<p>The aim of the course is the understanding by the student of Psychology of Vision and the acquaintance with basic methods of perception of vision          Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> <li>• to understand basic concepts of the Psychology of Vision.</li> <li>• to know ways of dealing with problems and issues of the Psychology of Vision.</li> <li>• be familiar with the subject of Psychology of Vision.</li> </ul>

**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 (Concept, objects and methods of Psychology). The evolution of psychology (Diachronic presentation of the scientific formation of Psychology. Psychology and its relation to the sciences of Man).
2. Learning - Memory - Thought - Intelligence. Concepts (Theories and pedagogical applications).
3. The Senses and the control of the mind. Explanation of stimuli and effect. The brain and nerves in the senses.
4. Vision as a psychological phenomenon, stimulus and stimulus transmission, optic nerves and brain lobes, visual chiasm, interpretation of the phenomenon of vision.

#### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>DELIVERY</b> <i>Face-to-face, Distance learning, etc.</i>	Face to face.	
<b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b> <i>Use of ICT in teaching, laboratory education, communication with students</i>	Delivery of the syllabus is supported by e-class.	
<b>TEACHING METHODS</b> <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>	<b>Activity</b>	<b>Semester workload</b>
	Lectures	39 hours
	Laboratory practice	
	Self study	61 hours
	Course total	90 hours
<b>STUDENT PERFORMANCE EVALUATION</b> <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 assessment 100%	

#### (5) ATTACHED BIBLIOGRAPHY

*- Suggested bibliography:*

- Greek language
- Introduction to psychology - Nasiakou, M. - Athens: Gutenberg, 2000
- Ethics of research and practice in psychology- Wadeley, Alison. - Athens: Greek letters, 1995
- Psychology of adaptation - Petroulakis, Nikolaos V. - Athens 1961
- Evolutionary psychology- Kasiolas, E. - Athens, 1976
- Psychology - Adler, Alfred. - Athens: Atlas, 1956;
- Adolescent psychology - Manos, Costas G. - Athens: Grigoris, 1993
- Applied clinical psychology in the field of health - Kalantzi - Azizi, Anastasia. - Athens: Greek letters, 1996
- Foreign language
- Active Vision: The Psychology of Looking and Seeing (Oxford Psychology), John Findlay, Iain D. Gilchrist, Oxford University Press, 2003
- Eye and Brain: The Psychology of Seeing, RL Gregory, Princeton University Press, 1997.
- Eye Brain and Vision, D.H. Hubel, W.H. Freeman and Company, NY, 1988

- Foundations of Vision, B.A. Wandell, Sinauer Associates, Sunderland, 1995
- Pediatric ophthalmology and strabismus, Strominger, M B. St. Louis, Mo. ; London : Mosby, 2008.
- Strabismus, Billson, F. A. London : BMJ Books, 2003.
- Clinical management of binocular vision : heterophoric, accommodative, and eye movement disorders Scheiman, Mitchell 4th ed. Philadelphia : Lippincott Williams & Wilkins, 2014.
- Normal binocular vision : theory, investigation and practical aspects Stidwill, David Oxford : Wiley-Blackwell, 2011.

Relevant Journals

- American Association of Paediatric Ophthalmology and Strabismus
- American Orthoptic Journal
- British Journal of Orthoptics
- Optometry and Vision Science
- Perception
- Vision research