

## 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>  | 3052                   | <b>SEMESTER</b>              | 3 <sup>th</sup> |
| <b>COURSE TITLE</b>   | ANATOMY OF THE EYE     |                              |                 |
| <b>INDEPENDENT TEACHING ACTIVITIES</b><br><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                            | 3               |
|   |                        |                              |                 |
|   |                        |                              |                 |
| <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><br><i>general background, special background, specialised general knowledge, skills development</i>  | Special 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><br/> <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><br/> <i>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>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"> <li>• to understand the basic anatomical points of the organ of vision.</li> <li>• be familiar with the mechanism and function of the human eye</li> <li>• to know the anatomy of the eye and to understand issues related to the optics of the eye.</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?

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**

- Eye socket, functions - dimensions, axes, structure - the bones of the orbit, the walls, position and contents.
- Macroscopic anatomy of eyelids (dimensions -tissues - shape - epicanth), structure (skin - muscles - bulbous conjunctiva), glands (meibomian, moll, zeiss, wolfring) eyelids, eyelid movements, eyelid
- Tear film (macroscopic anatomy, histology), tear apparatus structure,
- Conjunctiva, sclera, cornea, iris parts, choroidal, aqueous and vitreous, crystalline lens, retina

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

|   |   |                          |
|---|---|--------------------------|
| <b>DELIVERY</b><br><i>Face-to-face, Distance learning, etc.</i>   | Face to face.                                     |                          |
| <b>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</b><br><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><br><i>The manner and methods of teaching are described in detail.<br/>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.<br/><br/>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                 |
|   | Self-study  | 61 hours                 |
|   |   |                          |
|   |   |                          |
|   |   |                          |
|   | Course total                                      | 90 hours                 |
| <b>STUDENT PERFORMANCE EVALUATION</b><br><i>Description of the evaluation procedure<br/><br/>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<br/><br/>Specifically-defined evaluation criteria are given, and if and where they are accessible to students.</i> | Written assessment 100%                           |                          |

#### (5) ATTACHED BIBLIOGRAPHY

*- Suggested bibliography:*

1. Clinical anatomy principles – Lawrence H. Mathers, Jr. [et al.]. St. Louis: Mosby, 1996
2. The Wills eye manual – office and emergency room diagnosis and treatment of eye disease. – Philadelphia : Lippincott, 1994
3. Principles and practice of ophthalmology – basic sciences / [edited by] Daniel M. Albert, Frederick A. Jakobiec. – Philadelphia : Saunders, 1994
4. Colour atlas of ophthalmic plastic surgery – A.G. Tyers, J.R.O. Collin ; illustrations by Terry R. Tarrant. – Edinburgh ; New York : Churchill Livingstone, 1995
5. More than meets the eye – an introduction to media studies / Graeme Burton. – London ; New York : Arnold ; New York : Distributed exclusively in the USA by St. Martin's Press, 1997
6. The reconfigured eye – visual truth in the post-photographic era / William J. Mitchell. – Cambridge, Mass. : MIT Press, 1992.