COURSE OUTLINE

(1) GENERAL

SCHOOL	HEALTH & CARE SCIENCES		
ACADEMIC UNIT	BIOMEDICAL SCIENCES		
DIVISION	OPTICS & OPTOMETRY		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	8041	**SEMESTER**	8th
COURSE TITLE	PRE-OPERATIVE ASSESSMENT		

INDEPENDENT TEACHING ACTIVITIES *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*	**WEEKLY TEACHING HOURS**	**CREDITS**
Lectures	4	6
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	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

Learning outcomes

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

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

The syllabus aims to help the students understand pre-operative assessment and introduce them to basic checks. Upon completion of the syllabus the students will:

- Be able to understand and describe contemporary ophthalmic surgical techniques
- Describe the advantages and disadvantages of each ophthalmic operation
- Identification of appropriate operation for each patient
- Special attention will be drawn on refractive surgery and the diagnostic assessments preceding these and the selection of patients, post-operative complications and specialist assessments taking place before operating

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**

1. Refractive surgery for myopia, hyperopia and astigmatism (Lasik, Lasek, PRK, AK)
2. Intracroneal rings, IOLs, CLE, bioptics
3. Refractive surgery for presbyopia
4. Phacoemulsification
5. Introduction to strabismus surgery
6. Introduction to corneal transplantation (PKP, DALK, etc)
7. Introduction to retinal surgery
8. Introduction to oculoplastics

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Face to face.
USE OF INFORMATION ANDCOMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	Delivery of the syllabus is supported by e-class.

TEACHING METHODS

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

Activity	***Semester workload***
Lectures	52 hours
Self study	98 hours
Course total	*150 hours*

STUDENT PERFORMANCE EVALUATION

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.

Lectures

Final written assessment 100%

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

1. Refractive surgery Agarwal A, Agarwal A Jacob S , 2009, Jaypee Brother Publishers, ISBN 9788184484120
2. Cataract Surgery Steiner RF 2010 Elsevier Health Scieces, ISBN 9781416032250
3. Ophthalmic Surgical Procedures Hersh PS, ZagelBaum,BMCremers SL , 2009, Thieme, ISBN 9780865779808
4. Oculoplastic Surgery: The Essentials Pai-Dei Chen , 2001, Thieme ISBN 9781588900272