**SYLLABUS**

1. **Programme Details**

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| **1.1.** | **GRIGORE T. POPA UNIVERSITY OF MEDICINE AND PHARMACY IASI** | | | | | | | |
| **1.2.** | **FACULTY : MEDICINE / DEPARTMENT: SURGERY II** | | | | | | | |
| **1.3.** | **DISCIPLINE: OPHTHALMOLOGY** | | | | | | | |
| **1.4.** | **FIELD of STUDY:HEALTH** | | | | | | | |
| **1.5.** | **STUDY CYCLE: BACHELOR** | | | | | | | |
| **1.6.** | **PROGRAMME of STUDY: Medicine - English** | | | | | | | |
| 1. **Discipline Details** | | | | | | | | |
| **2.1.** | **Name of the Discipline: OPHTHALMOLOGY** | | | | | | | |
| **2.2.** | **Teaching staff in charge with lectures:** Prof. Dr. Camelia Margareta Bogdănici | | | | | | | |
| **2.3.** | **Teaching staff in charge with seminar activities:** Prof. Dr. Camelia Margareta Bogdănici, Șef lucrări Dr. Crenguţa Ioana Feraru, Asist univ Dr Nicoleta Anton, Asist univ Dr. Anisia-Iuliana Alexe, Asist univ Dr. Roxana Ciuntu | | | | | | | |
| **2.4. Year** | | **V** | **2.5. Semester** | **I/II** | **2.6. Type of evaluation** | MCQ | **2.7. Discipline regimen** | COMPULSORY |

1. **Overall Time Estimates (hours/semester of didactic activity)**

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| * 1. **Number of hours per week** | 4 | **Of which: 3.2. lectures** | | 2 | * 1. **seminar/ laboratory** | 2 |
| * 1. **Total hours in the curriculum** | 38 | **Of which: 3.5. lectures** | | 14 | **3.6. seminar/ laboratory** | 24 |
| **Distribution of time** |  |  | |  |  | Hours |
| **Study time using coursebook materials, bibliography and notes** | | | | | | 18 |
| **Further study time in the libray, online and in the field** | | | | | | 5 |
| **Preparation time for seminars / laboratories, homework, reports, portfolios and essays** | | | | | | 10 |
| **Tutoring** | | | | | | 2 |
| **Examinations** | | | | | | 2 |
| **Other activities** | | | | | |  |
| **3.7. Total hours of individual study** | | |  | | | 37 |
| **3.8. Total hours / semester** | | |  | | | 75 |
| **3.9. Number of credits** | | |  | | | 4 |

1. **Prerequisites (where applicable)**

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| **4.1. curriculum** |  |
| **4.2. competences** |  |

1. **Conditions (where applicable)**

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| **5.1. for lecture delivery** |  |
| **5.2. for seminar / laboratory delivery** |  |

1. **Specific Competences Acquired**

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| **Professional Competences (knowledge and skills)** | Knowledge of ophthalmic diseases, -physiopathology  -signs and symptoms, tests, medical and surgical treatments |
| **Transversal Competences (roles, personal and professional development)** |  |

1. **Obiectives of the Discipline (related to the acquired competences)**

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| **7.1. General Obiective** | To teach notions of ophthalmology necessary for the graduate of a medical university |
| **7.2. Specific Obiectives** | 1. Teaching the main notions of clinical diagnosis in ophthalmic diseases  2. Teaching notions of therapy in ophthalmic diseases  3. Presenting up-to-date notions of modern development and research in the ophthalmology field |

1. **Contents**

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| **8.1. Lecture** | | **Teaching methods** | **Comments** |
| Refraction | | powerpoint presentation |  |
| Adnexa (orbit, lacrimal system, lids, conjunctiva) | | powerpoint presentation, |  |
| Cornea and sclera | | powerpoint presentation, movies of surgical interventions |  |
| Lens | | powerpoint presentation movies of surgical interventions |  |
| Strabismus. Uvea | | powerpoint presentation, movies of surgical interventions |  |
| Glaucoma | | powerpoint presentation, movies of surgical interventions |  |
| Posterior segment | | powerpoint presentation |  |
| **Bibliography:**  Jack J Kanski, Clinical Ophtalmology -A Sistematic Approach , 7 th ed 2013; Lang G., Ophtalmology A Pocket Textbook Atlas, 2 nd ed 2007 Thieme; Pavan Langston, D\_Manual of diagnosis and therapy, 6 th ed 2007 Lippincot; Vaughan Asburys, General Ophtalmology, 17 th ed 2007; Myron Yanoff, Ophtalmology, 3 rd ed 2008; Ophthalmology for students, 2017, Camelia Margareta Bogdănici | | | |
| **8.2. Seminar / Laboratory** | **Teaching methods** | | **Comments** |
| Anatomy and physiology of the eye | Oral presentation, practice of the manoeuvres | |  |
| Visual acuity | Oral presentation, practice of the manoeuvres | | Presentation of existing patients |
| Refraction | Oral presentation, practice of the manoeuvres | | Presentation of existing patients |
| Visual field | Oral presentation, practice of the manoeuvres | |  |
| Colour vision | Oral presentation, practice of the manoeuvres | |  |
| Anterior segment examination | Oral presentation, practice of the manoeuvres | | Presentation of existing patients |
| Intraocular pressure | Oral presentation, practice of the manoeuvres | |  |
| Posterior segment examnination | Oral presentation, practice of the manoeuvres | |  |
| Clinical evaluation – ocular motility and strabismus | Oral presentation, practice of the manoeuvres | | Presentation of existing patients |
| Ophthalmic nursing | Oral presentation, practice of the manoeuvres | | Presentation of existing patients |
| Differential diagnosis of red eye | Oral and powerpoint presentation, atlas images | |  |
| Clinical cases. Evaluation |  | |  |
| **Bibliography** | | | |

1. **Correlations between the contents of the discipline and the expectations of the epistemic community, of profesional associations and of employers in the field**

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| Knowledge and abilities are established as didactic objectives and specified as such in the analytic programs that are revised yearly. After their analysis by the study discipline staff, these are discussed and approved in the Curricular Committee, towards curricular harmonization among the various study disciplines. Along this entire process systematic evaluation is performed, directly if possible, regarding the correspondence of the contents to the expectations of the academic community and of the representatives of the social community, professional associations, and employers. As primary goal the discipline intends to offer the students optimal background for the following years of study in the program for License in Medicine, in the perspective of successfully hiring, immediately after graduation, in residence programs from Romania and other EU countries |

1. **Evaluation**

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| **Type of activity** | **10.1. Evaluation criteria:** | **10.2. Methods of evaluation** | **10.3. Percentage of final grade** |
| **10.4. Lecture** | Grade for multiple choice test | standardized multiple choice test | 50% |
| **10.5. Seminar / Laboratory** | Average grade of ongoing examinations | ongoing evaluation | 10% |
| Grade for practical examination | practical exam | 40% |
| **Minimum standard of performance: at least grade 5 to pass the discipline** | | | |

**Date: 14.10.2019**

**Signature of Didactic Co-ordinator**

**Prof Dr Camelia Margareta Bogdănici**

**Signiture of Department Director Prof Dr Mihail Dan Cobzeanu**