[Medicinski fakultet u Rijeci]

Curriculum
2022/2023

[Za kolegij]

Ophtalmology

Study program:	**Medical Studies in English (R)** [Sveučilišni integrirani prijediplomski i diplomski studij]
Department:	**[Katedra za oftalmologiju]**
Course coordinator:	**izv. prof. prim. dr. sc. Čaljkušić-Mance Tea, dr. med.**
Year of study:	**5**
ECTS:	**3.5**
Incentive ECTS:	**0 (0.00%)**
Foreign language:	**Possibility of teaching in a foreign language**

Course information:

The course " Ophtalmology" is mandatory course in the fifth year of the Integrated Undergraduate and Graduate University Study of Medicine in English and consists of 36 hours of lectures and 24 hours of practical classes (3.5 ECTS). Most of the course are held at the Eye Clinic of the Clinical Hospital Center Rijeka except for lectures that are held online.

Course objective:

Acquisition of basic knowledge and clinical skills in the field of ophtalmology including a basic understanding of eye diseases and eye manifestations of systemic diseases. It provides appropriate levels of primary eye care, and medical students should learn the indications and need for referral to ophthalmologists for management of specialty cases. There has been a spectrum of teaching methods of ophthalmology for medical students consisting of 1) traditional didactic lectures and clinical demonstrations, 2) Illustrative case studies to highlight certain eye diseases, 3) Evidence-based medical teaching, pairing ophthalmic teaching with neuroscience, neurology, endocrinology, pediatrics, and other relevant subjects.

Ophthalmology is mostly a surgical specialty, so medical students should be given an opportunity to observe procedures in the operating room. By allowing students to be exposed to the surgical procedures, they will acquire a more realistic understanding of ophthalmic practice.

Course content:

History of ophthalmology. Anatomy and fiziology of eye and adnexa. Eye disease symptoms. Measurement of visual aquity, glasses and contact lenses prescription. Conjunctival diseases. Corneal diseases. Lens and cataract. Lacrimal drainage system disorders. Eyelids disorders. Orbital diseases. Strabismus and amblyopia. Glaucoma. Optic nerve and neuroophtalmology. Retina, retinal diseases and vitreoretinal surgery. Eye trauma. Tumors of eye and adnexa. Uveitis. Drugs in ophtalmology. Eye and systemic diseases. Telemedicine and arteficial inteligence in ophtalmology. Lasers in ophtalmology. Intraocular lenses. Refractive surgery. Corneal transplantation. Eye banking.

Class performance:

The estimated duration of classes is six weeks. Classes are performed through lectures and practicals. Active participations is expected and monitored during the classes. Teachers discuss with students the specific patological conditions of individual patients at the clinic. There will be mandatory written tests (2) held at the end of practical and oral final exam. The student will gain 3.5 ECTS by fulfilling all the above obligations.

List of assigned reading:

1. Harold A. Stein, Raymond M. Stein, Melvin I. Freeman. The Ophtalmic Assistant. eBook avaliable at Clinical Key base enabled by the Faculty of Medicine¨s Library. 10th Edition, 2018: link to book: Ophthalmic Assistant, The - ClinicalKey

2. John F. Salmon. Kanski´s Clinical Ophtalmology. 9th Edition,2020. eBook avaliable at Clinical Key base enabled by the Faculty of Medicine¨s Library: link to book: Kanski's Clinical Ophthalmology - ClinicalKey

Remote Access - ClinicalKey

List of optional reading:

1. Myron Yanoff , Jay s. Duker. Ophtalmology. 5th Edition,2019. eBook avaliable at Clinical Key base enabled by the Faculty of Medicine´s Library.

2. Myron Yanoff, Joseph Sassani. Ocular pathology. 8th Edition, 2018. eBook avaliable at Clinical Key base enabled by the Faculty of Medicine¨s Library.

Curriculum:

Student obligations:

Attendance on lectures and practicals is mandatory. Communication between the teaching stuff and students will take place on Merlin e-learning system or by e-mail addresses (@uniri.hr).

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

Student assessment is carried out in accordance with the current University of Rijeka Study Regulations and the Student Regulations at the Faculty of Medicine Rijeka (adopted by the Faculty Council of the Faculty of Medicine Rijeka).

Students' performance will be evaluated during the course and at the final exam. Out of a total of 100 credits, a student can earn 70 credits (70%) during the course with written tests, and 30 credits (30%) at the final oral exam.

Student assessment is performed using ECTS (A-F) and number system (1-5). Student assessments in ECTS system is carried out by is performed by absolute distribution, and according to graduate assessment criteria.

Out of the maximum 70 credits that can be achieved during class, the student must collect a minimum of 40 credits to take the final exam. Students who collect less than 40 credits will have the opportunity for one remedial written test and, if they pass, they will be able to take the final exam

Students who collect between 40 and 49.9 credits (FX rating category) will have the opportunity for one remedial exam in the autumn exam period. If they pass, they receive an E grade regardless of the number of grade points achieved. Students who collect 39.9 and fewer grade points (F grade category) must reenroll in the course

The student acquires grade points by completing the tasks as follows:

During class, the following activities will be monitored:

Regulary class attendance:

A student can miss 30% of classes solely for health reasons, which justifies the doctor's apology. Attendance at written tests is mandatory.

There is no possibility to compensate for the absence of classes or exercises. If a student is justified or unjustifiably absent from more than 30% of classes, he cannot continue following the course "Ophthalmology" and loses the opportunity to take the final exam. In this case student collected 0 ECTS credits and was rated F.

Written tests

During the course, mandatory inter-examinations are taken in the form of a written test (Test I and II), which checks the knowledge acquired during lectures and exercises. Each test has 50 questions with one or two correct answers offered and carries 25 grade points each. The criterion for obtaining grade points that turn into positive grades is 50% of the correctly resolved issues (>25). The inter-examination laid is not transferable, that is, it is valid only for the current academic year.

Success in the written tests turns into credits as follows:

Correct answers	Credits	
0-25	0	
26-32	20	Minimal positive grade
33-38	25	
39-45	30	
46-50	35	

Final exam (30 credits in total):

The final exam consists of a mandatory oral exam. Both parts of the written tests must be positively assessed. The oral exam carries 30 credits (range from 0-30).

Success in the final oral exam turns into rating points as follows:

Grade	Credits
unsufficient	0
sufficient	8
good	16
very good	24
excelent	30

For passage in the final exam and final assessment (including the listing of previously achieved grade points during class), the student in the final exam must be positively evaluated.

The ECTS grading system is defined by the following criteria:

A (5) – 90 -100% credits B (4)– 75 - 89,9% credits C (3) – 60 - 74,9% credits D (2) -- 50 - 59,9% credits F (1) – 0 - 49,9% credits

Grades in ECTS grading system are converted in numerical system by the following criteria: A = excellent (5) B = very good (4) C = good (3) D = sufficient (2) F = insufficient (1)

Other notes (related to the course) important for students:

Course content and all information related to the course as well as exam dates can be found on the Merlin e-learning system and on the web pages of the Department of Ophtalmology

All student inquiries, regarding the course and possible problems, remarks and inquiries are provided exclusively using the official e-mail addresses (@medri.uniri.hr) or via the Merlin e-learning system. It is possible to arrange consultations with the teaching staff during working hours.

Practicals will be held at the Eye Clinic of the Clinical Hospital Center Rijeka or at the EyeClinic Svjetlost, Heinzelova 39, Zagreb.

Lectures will be held at the Eye Clinic of the Clinical Hospital Center Rijeka, Lecture Hall 1 or via MS Teams. Team name is OPHTALMOLOGY 2022./2023.

COURSE HOURS 2022/2023

Ophtalmology

List of lectures, seminars and practicals:

EXAM DATES (final exam):
