**COURSE OUTLINE**

1. **GENERAL**

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| **SCHOOL** | School of Health Sciences |
| **ACADEMIC UNIT** | Faculty of Medicine |
| **LEVEL OF STUDIES** | Undergraduate |
| **COURSE CODE** | ΙΑΥΑ14 | **SEMESTER** | 8th |
| **COURSE TITLE** | Otolaryngology |
| **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** |
|  | 30 |  |
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| *Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (4).* |  |  |
| **COURSE TYPE***general background, special background, specialised general knowledge, skills development* | We are committed to providing medical students with a robust training exposure in the specialty of Otolaryngology- Head & Neck Surgery during a 5 weeks rotation. There is extensive exposure in the subspecialty fields of General Otolaryngology, Head & Neck Surgical Oncology, Facial Plastic and Reconstructive Surgery, Rhinology, Otolaryngic Allergy, Head & Neck Ultrasonography, Pediatric Otolaryngology, Audiology. |
| **PREREQUISITE COURSES:** | Completion of semesters 1st-6th according to the Medical School Curriculum |
| **LANGUAGE OF INSTRUCTION and EXAMINATIONS:** | Greek |
| **IS THE COURSE OFFERED TO ERASMUS STUDENTS** | Yes |
| **COURSE WEBSITE (URL)** | <https://orl.med.uoi.gr/> |

1. **LEARNING OUTCOMES**

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| **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*
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| Medical students will rotate for 5 weeks. The maximum acceptance will be for twenty-five students per rotation to allow excellent exposure of the rotating medical students to the Clinic. The rotation takes place in the Department of Otolaryngology, General University Hospital of Ioannina, Building B, 2nd floor. The rotation is designed to require the student to demonstrate evaluation, patient contact and management skills. The student will participate in direct patient care under the direct supervision and at the discretion of the supervisor. The student will gain understanding of the role of the Otolaryngologist as part of a care team.Rotation Goals:1. Improve the student’s clinical and communication skills with patients, families, communities, and professionals in health and other fields in a responsive and responsible manner so they can competently promote the health of their patients and the prevention and treatment of disease.
2. Gain experience in Otolaryngology-Head & Neck Surgery
3. Expand the student’s knowledge base and clinical skills and prepare them for future clinical practice and specialty training
4. Exposure in surgical procedures in the office or the operating room

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| **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 in an interdisciplinary environment Criticism and self-criticism Other: Patient care, Medical Knowledge, Professionalism, Interpersonal and Communication Skills, Exposure to System Based Practice |

1. **SYLLABUS**

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| Ear (4 lectures)1. Anatomy-Physiolgy:( eternal, middle ear, labyrinth, travelling wave, tonotopy)
2. Clinical testing and audiology: Tuning Fork, audiogram, tympanogram, OAE,ABR, screening-children
3. External Ear: Auricular disease, Cerumen, external otitis, necrotic otitis.Otic Herpez Zoster, foreign bodies
4. Middle ear: tympanic membrane perforation, barotrauma, eustachian tube dysfunction, chronic serous otitis media, tympanic membrane retraction pocket, acute otitis media and complications, mastoiditis, cholesteatoma, tympanoplasty, otosclerosis, temporal bone fractures, middle ear surgery
5. Inner ear: Etiology of sensorineural hearing loss, acute hearing loss, acoustic trauma, acoustic neuroma, hearing implants, cochlear implants
6. Vertigo: VOR, BPPV, acute neuritis, vestibular migraine, Meniere’s disease

Nose, Paranasal, Trauma (3 lectures)a. Anatomy, Physiology, Diagnosis:Olfactionb. External nose:Congenital anomalies, trauma, neoplasias, infections, rhinophymac. Internal nose:Nasal Airway Obstruction, Septal deviation, rhinorrhagia, nasal hematoma/abscess, rhinitisd. Paranasal Sinuses: acute and chronic rhinosinusitis, nasal polyposis, CSF rhinorrhea, rhinosinusitis complications, mucocele, paranasal tumorse. Epistaxisf. Endoscopic Sinus Surgery, Advanced endoscopic approaches to anterior skull base and paranasal sinusesg. Trauma: Blow-out fractures, facial fracturesOral Cavity (2 lectures)1. Anatomy, Physiology, Diagnosis: taste
2. Infections: Acute tonsillitis, Acute tonsillitis complications ( septic), peritonsillar abscess, Epstein Barr Mononucleosis, Pharyngitis
3. Oncology:Etiology, clinical findings, diagnosis, therapeutic options
4. Non-infectious diseases: choanal atresia, taste disorders, Zenker’s diverticulum, sleep disorders, esophageal foreign bodies

Larynx (2 lectures)a. Anatomy, Physiology, Diagnosisb. Benign disease: trauma, tracheal stenosis, infections: acute laryngitis, epiglottis, epiglottic abscess, recurrent laryngeal nerve paralysisc. Malignant diseases/Oncology: etiology, diagnosis, therapeutic options, laryngectomy, Provoxd. Airway Securement: Intubation, Cricothyrotomy, Tracheotomy, Tracheotomy managementNeck (2 lectures)a. Anatomy, Embryology, Diagnosisb. Benign neck disease: neck cysts, Eagle syndrome, neck lymphadenopathy, neck abscessc. Malignant neck disease: neck metastases, neck dissection, CUP-Syndrome, paraganglioma, neck lipomatosisSalivary glands, facial nerve, thyroid (2 lectures)a. Anatomy, Physiology, Diagnosisb. Benign diseases: sialadenitis, sialolithiasis, sialadenosis, xerostomia, Sjogren syndrome, ranulac. Tumors: benign, malignant, Frey’s syndromed. Facial nerve: anatomy, paralysis, zostere. Thyroid gland: Malignant tumors, surgical techniqueEmergencies:a. Foreign bodiesSpecial LecturesClinical examination VideoSurgical Oncology of the head & neckUltrasonography of the head & neckRhinoplasty and Nasal valveHPV and the Head & Neck |

1. **TEACHING and LEARNING METHODS - EVALUATION**

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| **DELIVERY***Face-to-face, Distance learning, etc.* |  Face to face & Online |
| **USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY** *Use of ICT in teaching, laboratory education, communication with students* | Use of Microsoft Teams for Lectures |
| **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* |

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| ***Activity*** | ***Workload of each students group*** |
| Lectures | 2 hours daily X 4 weeks |
| Courses  | Encourage participation |
| Interactive teaching | Encourage during lectures |
| Morning Rounds | 2 hours apxtly/day |
| Outpatient Clinics | 15hours apxtly/week |
| OR | 15 hours apxtly/week |
| ER | 15 hours apxtly/week |
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| **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.* | Written examination in Greek language upon completion of the 5 weeks rotation. The test includes multiple choice questions and open-ended questions extending in the entire spectrum of the specialtyN/A |

1. **ATTACHED BIBLIOGRAPHY**

**Included in the website**