

Compulsory Course: Otorhinolaryngology

<b>Course title</b>	<b>Otorhinolaryngology</b>
<b>General Information</b>	
<b>Faculty</b>	Health Sciences
<b>Department</b>	Medicine
<b>Level of studies</b>	Undergraduate
<b>Credits</b>	3
<b>Term</b>	7
<b>Course type</b>	Compulsory
<b>Course kind</b>	Scientific
<b>Language</b>	Greek
<b>Website</b>	<p>The Course is available in the e-class at <a href="https://eclass.duth.gr/courses/ALEX06243/">https://eclass.duth.gr/courses/ALEX06243/</a> with free access for DUTH students. The course website contains:</p> <ul style="list-style-type: none"> <li>- Full course description as follows</li> <li>- Timetable</li> <li>- Announcements</li> <li>- PowerPoint presentations and notes</li> <li>- Grading</li> </ul>
<b>Detailed description</b>	
<b>Educational objectives</b>	<p>The educational objectives include:</p> <ul style="list-style-type: none"> <li>- Awareness of the physiological and pathophysiological function of the ears, nose, larynx, head and neck.</li> <li>- Knowledge and experience in the diagnosis and treatment of pathology of the ear, nose, larynx, head and neck.</li> <li>- Awareness and basic surgical experience acquisition in the Otorhinolaryngology field.</li> </ul>
<b>Prerequisite knowledge</b>	The course requires a satisfactory prerequisite knowledge of ear, nose, head and neck physiology and anatomy.
<b>Course collaboration</b>	Collaboration with surgery, neurosurgery and plastic surgery.
<b>Learning Objectives</b>	
<p>Upon successfully completion of the course the student will be able to:</p> <ul style="list-style-type: none"> <li>- Diagnose clinically and laboratory the principal otorhinolaryngological alongside the head and neck diseases</li> <li>- Clinically and laboratory identify the allergic rhinitis.</li> <li>- Clinically and laboratory diagnose sleep apnea.</li> <li>- Be aware of the therapeutic protocols of Otorhinolaryngology, head and neck diseases.</li> <li>- Identify the basic surgical techniques for the treatment of diseases in the scientific area of Otorhinolaryngology, head and neck.</li> </ul>	
<b>General skills for Medicine Graduates (according to Tuning Project)</b>	
<p>Upon successfully completing the course, the students enhance their ability to:</p> <ul style="list-style-type: none"> <li>- Examine a patient</li> <li>- Evaluate clinical cases, order laboratory tests, make differential diagnoses and negotiate a management plan</li> <li>- Provide immediate care in case of Emergencies, First aid and Resuscitation</li> </ul>	

- Communicate effectively in a medical environment
- Promote health issues, deal with the health problems of the population and work effectively in the health system
- Other:
  - o Knowledge of the basic surgical techniques for the treatment of diseases of the scientific area of Otorhinolaryngology, head and neck.

### Course content

#### Theoretical:

1. Examining methods regarding Otorhinolaryngology and head and neck surgery.
2. Ear, nasal-sinus cavities, oral cavity, pharynx, salivary glands, larynx, head and neck physiology and pathophysiology.
3. Ear, nasal-sinus cavities, oral cavity, pharynx, salivary glands, larynx, head and neck anatomy.
4. Ear pathology.
5. Nasal-sinus cavity pathology.
6. Oral cavity and pharynx pathology.
7. Salivary glands pathology.
8. Facial nerve diseases.
9. Larynx pathology.
10. Neck pathology.
11. Voice disorder and swallowing pathology.
12. Ear, nasal- sinus cavity, oral cavity, pharynx, salivary glands, larynx, head and neck neoplasm.
13. Gastroesophageal reflux and ENT manifestations.
14. Otorhinolaryngology allergy.
15. Sleep apnea and otorhinolaryngological causes.

#### Workshops

1. Nasal allergy, sleep disorder investigation.
2. Sialadenoscopy.
3. Acology – Neurotoly, vertigo and tinnitus.
4. Nasal- paranasal cavity endoscopy.

#### Tutorials

1. Clinical cases.
2. Principal surgery techniques.
3. Examining methods.

#### Clinical exercise:

1. Patient history taking.
2. Physical examination.
3. Clinical patient examination.
4. Patient examination in special nasal allergy clinics and sleep disorder, ecology- neurotology- vertigo and tinnitus, endoscopy and sialadenoscopy investigation.

#### Lectures

Theoretical courses are given in the form of lectures. The tutoring courses are done in groups in the form of case analysis. The clinical practice takes place thrice a week in the ENT Outpatient Clinics, in the ENT special clinics and in the Emergency Department on a daily basis and in general on duty days.

#### Teaching organization

The course is being taught:

- In 13 two-hour amphitheater theoretical courses.
- In 2 two-hour tutorials held in groups of ~20 students.
- In a two-hour clinical practice per week (for 5 weeks) in groups of ~20 students.
- With a general 4 hour on duty day twice a semester per student.

	The student's workload for each semester is being analyzed as follows:	
	<b>Activity</b>	<b>Hours</b>
	Theoretical teaching attendance	26
	Workshop/ Tutorial attendance	4
	Clinical exercise	14
	General shift observation	3
	Course material study ( PowePoint slides, notes)	10
	Study of the suggested texts	25
	Study of the relevant proposed scientific articles	8
	Total	90
A 90-hour total of workload per semester corresponding to 3 credits.		
<b>Student Assessment</b>	Written multiple choice and short development exam along with oral exams in the end of the semester. A successful attendance of all the tutorials, clinical practice and general shift is a prerequisite to participate in the written examination, while a successful written examination is essential for the oral exam attendance. The final grade of the course is the oral examination grade.	
<b>Suggested bibliography</b>	<b>1. CURRENT DIAGNOSIS AND TREATMENT: OTOLARYNGOLOGY Head and Neck Surgery Publisher: <u>Medical Publications P.Ch. Paschalidis</u>, Year of Publication: 2018 Author: <u>Anil K. Lalwani</u>, ISBN: 978-9963-274-56-7</b> <b>2. Constantinidis I., Bizakis I., OTOLARYNGOLOGY HEAD AND NECK SURGERY, Chavales A- Chatzisyneon K., OE, 2012, ISBN: 978-960-6894-48-0</b>	