**SYLABUS**

Academic year 2017/2018

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| **Name of a course / module** | **Otolaryngology** | |
| **Name of a department where course is held** | **Department of Otolaryngology UMB** | |
| **E-mail of department** | [otol@umwb.edu.pl](mailto:otol@umwb.edu.pl) | |
| **Faculty of** | Medicine with Division of Dentistry and Division of Medical Education in English | |
| **Name of a field of study** | Medicine | |
| **Level of education** | First degree studies, Uniform master’s degree studies | |
| **Form of study** | full time X part time X | |
| **Language of instruction** | Polish  English X | |
| **Type of course** | obligatory X facultative  | |
| **Year of study / Semester** | I  II  III  IV  V X VI  | 1  2  3  4  5  6  7  8  9 X 10 X 11  12  |
| **Introductory courses with preliminary requirements** | Student should demonstrate knowledge about head and neck anatomy and physiology. | |
| **Number of didactic hours with specification of forms of conducting classes** | 70, including: 15 - lectures, 10 – seminars, 45 – classes, | |
| **Assumptions and aims**  **of the course** | Student should gain knowledge in: medical interview and physical examination of adults, morphological and physiological differences in organs and systems, principles of rational diagnostic process in healthy and sick people, preventive actions in selected conditions, diseases of each organ.  The student should be able to: carry out a medical interview and a physical examination (including otoscopy, rhinoscopy, laryngoscopy), plan and interpret additional examinations, plan specialist consultations, establish diagnosis and treatment of ENT diseases, perform basic procedures and medical treatment. | |
| **Didactic methods** | - The transfer of knowledge in the form of lecture  - Consultations (during ER)  - Discussion  - Presentation of clinical cases  - Case report  - Self-studying  - Analysis of the literature | |
| **Full name of the person conducting the course** | Prof. dr hab. Marek Rogowski, dr hab. Andrzej Sieskiewicz,  Prof. dr hab. Ewa Olszewska | |
| **Full name of the person responsible for teaching** | Prof. dr hab. Ewa Olszewska | |

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| **Symbol and number of learning outcomes according to the teaching standards and other learning outcomes** | **Description of directional learning outcomes** | **Form of classes** | **Verification methods for achieving intended learning outcomes** |
| **Knowledge** | | | |
| EW1 | The student knows: genetic, environmental and epidemiological backgrounds for most common otolaryngological diseases and otolaryngological neoplasms. | Lectures, classes , seminars | Summary Methods:  - written exam (test)  Forming Methods:  - Observation of the student's work  - Evaluate the students` activity during classes  - Assessment of student`s preparation for classes  - Discussion during classes  - Partial tests |
| F.W12 | The student knows:   1. and understands the causes, clinical course, treatment methods, complications and prognosis in diseases of the ear, nose, pranasal sinuses, mouth, pharynx, larynx in adults, 2. facial nerve disorders and diseases of selected neck structures,, 3. rules of diagnostic and therapeutic procedures in mechanical injuries of the ear, nose, larynx and esophageus, 4. rules of emergency procedures in otolaryngology, especially in laryngeal dyspnea, 5. rules of diagnostic and therapeutic procedures in hearing, voice, speech disorders, 6. rules of diagnostic and therapeutic procedures in head and neck neoplasms, | Lectures, classes, seminars |
| E.W3 | The student knows: diagnostic procedures for acute and chronic upper respiratory tract diseases (V. W3c) |  |  |
| **Skills** | | | |
| EU1 | Conducting a medical interview with an adult patient and/or his/her family, with special attention to otolaryngological issues. | Classes, seminars | Summary Methods  - practical exam  Forming Methods  - Observation of the student's work  - Pretest  - Evaluate the students` activity during classes  - Completion of each activity  - Assessment of student`s preparation for classes  - Discussion during classes  - Partial tests  - Preliminary tests  - Case description |
| EU3 | Conducting a physical examination and ENT basic diagnostic procedures such as rhinoscopy, laryngoscopy, otoscopy and oral cavity examination. | Classes, seminars |
| F.U1 | Assisting to typical surgical procedures, preparations of the operative field and local anesthesia of the operative area | Classes, seminars |
| F.U2 | Using basic surgical instruments | Classes, seminars |
| F.U3 | Implementing methods of asepsis and antisepsis | Classes, seminars |
| F.U4 | Dressing a simple wound according to asepsis and antisepsis principles | Classes, seminars |
| F.U9 | Managing of external bleeding | Classes, seminars |
| F.U25 | Can perform basic laryngological examination of the ear, nose, throat and larynx. | Classes, seminars |
| F.U26 | Can perform orientation hearing examination | Classes, seminars |
| **Social competence** | | | |
| K1 | Respects the medical confidentiality and patient rights | Classes, seminars | Summary Methods  - Continuous assessment by the teacher (observation)  Forming Methods  - Observation of the student's work  - Discussion during classes  - The opinions of patients, colleagues |
| K2 | Can establish and maintain a deep as well as respectful contact with the patient | Classes, seminars |
| K3 | Directs the good of the patient, putting it in the first place | Classes, seminars |
| K4 | Is aware of one’s limitations and has the ability to lifelong learning | Classes, seminars |

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| **ECTS points** | 4 | |
| **Student Workload** | | |
| **Form of activity** | | **Number of hours to complete the activity** |
| **Classes that require the participation of a teacher** | | |
| 1. Realization of the course: lectures (according to the study plan) | | 10 |
| 1. Realization of the course: classes (according to the study plan) | | 45 |
| 1. Realization of the course: seminars (according to the study plan) | | 10 |
| 1. Realization of the course: faculties | | 20 |
| 1. Participation in consults | |  |
|  | | Total hours: 85 |
| **Student self-study:** | | |
| 1. Self-preparation for the theoretical and practical classes (realization of projects, documentation, case description etc.) | | 10 |
| 1. Self-preparation for tests/credits | | 5 |
| 1. Self-preparation for an exam/final test-credit | | 30 |
|  | | Total hours: 45 |

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| **Course contents:** | |
| **Learning outcomes**  **(symbol and number)** | **Topics** |
| EW1 | The place of otolaryngology in modern medicine. |
| EW1,F.W12 | Physiology of the nose and paranasal sinuses. Diagnostic methods. Diseases of the nose and paranasal sinuses. |
| EW1, F.W12 | Oral and pharyngeal physiology. Diseases of the oral cavity and pharynx. |
| EW1, F.W12 | Anatomy and physiology of the larynx and hypopharynx. Diagnosis of diseases of the larynx and hypopharynx. Diseases of the larynx and hypoopharynx. |
| EW1, F.W12 | Pharyngeal lymphatic system disorders. |
| EW1, F.W12 | Diseases of the salivary gland. |
| EW1, F.W12 | Cervical lymphatic sysem. |
| EW1, F.W12 | Anatomy and physiology of the ear. Diagnostic methods. Diseases of the external ear. |
| EW1, F.W12 | Inflammation of the midde ear. |
| EW1, F.W12 | Symptoms of inner ear damage. |
| EU1, EU3, F.U25, F.U26, FU2, K1, K2, K3 | Laryngological examination. Physpical examination in laryngology: rhinoscopy, laryngoscopy, otoscopy. Additional tests. |
| EU1, EU3, F.U25, FU1, FU2, K1, K2, K3 | Diseases of the pharynx and nasopharynx. Hyperplasia of the pharyngeal tonsil. Pharynx inflammatory diseases. Indications for tonsillectomy and adenoidectomy. |
| EU1, EU3, FU1, FU4, K1, K2, K3 | Anatomy and physiology of the nose and paranasal sinuses. Diseases of the nose and paranasal sinuses. Additional tests in rhinology. Diseases of the salivary gland. |
| EU3, FU1, K1, K2, K3 | Anatomy and physiology of the larynx. Phonation activity. Diseases of the larynx. |
| EU3, FU1, K1, K2, K3 | Laryngeal cancer: epidemiology, diagnostic, treatment methods. |
| EU3, FU4, FU9 | Otoscopy, tuning fork tests, acumetric and audiologic tests. Anatomy and physiology of the external and middle ear. |
| EU3, F.U26, | Diseases of the external and middle ear. |
| EU1, EU3, F.U25, F.U26 | Causes and diagnostic of hearing impairment in childhood. |
| F.U25, F.U26 | Anatomy and physiology of the inner ear. Rotational chair testing. Caloric test. Diseases of the inner ear. Sensorineural hearing loss. Tinnitus. |
| EU1, EU3, F.W12, K1, K2, K3 | Allergic disorders of the upper respiratory tract. |
| EU1, EU3, F.U25, K1, K2, K3 | Hypertrophy of the pharynx lymphatic system. |
| EU1, EU3, FU1, FU2, FU3, F.U25, K1, K2, K3 | Endoscopic surgery of the nose and paranasal sinuses. |
| EW1, F.W12, K4 | Basic phoniatric problems in medical practice. |
| EW1, F.W12 | Laryngeal dyspnea. |
| F.W12, EU1, EU3, K1, K2, K3 | Pathophysiology of the balance system. |
| EU1, EW1, F.W12, F.U26, EU3, K1, K2, K3 | Intratemporal and intracranial complications of otitis media |
| EW1, F.W12 | Chronic otitis media. |
| EU3, F.W12, FU3, F.U25, F.U26 | Pathophysiology of the hearing system. |
| EW1, F.W12, EU1 | Sleep apnea as a social problem |
| F.W12, EU1 | Modern treatment methods of allergic diseases of the nose and paranasal sinuses. |
| EW1, F.W12, EU1, K1, K2 | Hearing loss as a social problem. |
| F.W12, EU1, EU3, FU1, FU2, FU3 | Functional endoscopic sinus surgery. |
| EW1, F.W12, EU1, EU3, K1, K2, K3, K4 | Voice disorders: functional and organic dysphonia – diagnosis and treatment. |
| EW1, F.W12, EU1, EU3, K1, K2, K3 | Vertigo as an interdisciplinary problem. |
| F.W12, FU1, FU2, FU3, FU4, K1, K2, K3 | Voice prosthesis after total laryngectomy. |

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| **Obligatory textbook: Probst R, Grevers G, Iro H.: Basic Otorhinolaryngology. Georg Thieme Verlag Stuttgart, New York, 2006.** |
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| **Optional textbook:**  Bailey B.: Head and Neck Surgery - Otolaryngology. Second Edition, Lippincott - Raven, Philadelphia, New York, 1998.  Becker W., Naumann H.H., Pfaltz C.R.: Ear, Nose and Throat Diseases, 1994 Georg Thieme Verlag, Stuttgart, New York, Thieme Medical Publishers, Inc., New York  Cummings Ch.,W., Friedrickson J.M.: Otolaryngology - Head and Neck Surgery. Second Edition, Mosby Year Book, 1993  Nadol J.B., Schuknecht H.F., Jr.: Surgery of the ear and temporal bone. Raven Press, Ltd., 1185, New York, 10030 |
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| **Criteria for assessing the achieved learning outcomes and the form and conditions for receiving credit:** |
| To pass Otolaryngology it is mandatory to obtain credits from all classes according to the study plan.  In case of the absence - make up classes after consultation with the teacher. |

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*(date and signature of the person preparing the syllabus)*

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*(date and signature of the Head of the and (course coordinator)*

*Department where the course is held)*