# **TIMETABLES: ANATOMY AND PHYSIOLOGY OF STOMATOGHNATIC SYSTEM**

# **1 ST YEAR OF DENTISTRY; SUMMER SEMESTER 2022/2023**

#### **LECTURERS: lek. dent Barbara Gronwald, lek. dent. Lidia Kozłowska**

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| **E - LEARNING** | Permanent teeth - anatomy, physiology, functions of particular groups of teeht. Marking permanent teeth. E-LEARNING |
| Milk teeth - anatomy, physiology, functions of particular groups of teeht. Marking and differentiation of permanent and deciduous teeth. Mixed dientition differentiation. Teeth eruption periods. E-LEARNING |
| Periodontium and oral mucosa – importance, functions and physiology. Diagnostic possibilities with use of physical examination. E-LEARNING |
| **DATE** | **SEMINARS : TUESDAYS 15.30 – 17.00 TEAMS** |
| **21.02.2023** | Introduction to the anatomy and physiology of the masticatory system. TEAMS |
| **28.02.2023** | Permanent dentition- anatomy, physiology, functions of particular groups. Notation of permanent teeth. |
| **07.03.2023** | Deciduous dentition - anatomy, physiology, functions of particular groups. Notation and differentiation of permanent and deciduous dentition. Mixed dentition. Teeth eruption schedule. |
| **14.03.2023** | Fundamentals of gnatophysiology of the stomatognathic system. Chewing under physiological conditions, articulation of the mandible. Physiological norms and types of the occlusion. |
| **21.03.2023** | Clinical procedure for testing the functional efficiency of the stomatognathic system.  |
| **28.03.2023** | Determination and registration of the mandible position in centric relation. Instruments. |
| **04.04.2023** | Saliva - composition and functions. Biochemical processes within oral cavity. Modern aspects of oral prophylaxis. |
| **18.04.2023** | The breathing process. Snoring. The process of sucking, chewing and swallowing. Speech articulation. The neuromuscular system of the masticatory system |
| **25.04.2023** | Mechanism of muscle contraction and its types. Neuromuscular transmission. Clinical application of electromyography |
| **CLASSESS: FRIDAY08.00 – 10.15 IN DEPARTMENT** |

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|  | **EXERCISE** |
|  | Drawing from 5 different perspectives of permanent teeth: incisors. Practical test. |
|  | Molding of permanent teeth: incisors with droplet method on gypsum models . Practical test. |
|  | Drawing from 5 different perspectives of permanent teeth: canines. Practical test. |
|  | Molding of permanent teeth: canines with droplet method on gypsum models. Practical test. |
|  | Drawing from 5 different perspectives of permanent teeth: premolars. Practical test. |
|  | Molding of permanent premolars with droplet method on gypsum models. Practical test. |
|  | Drawing from 5 different perspectives of permanent teeth: molars. Practical test. |
|  | Molding of permanent molars with droplet method on gypsum models. Practical test. |
|  | TMJ – anatomy, physiology, biomechanics. Practical part: Palpation method of `TMJ examination. |
|  | Molding of upper permanent premolars and molars with Essential Lines method. Practical test. |
|  | Saliva - composition and functions. Biochemical processes within oral cavity. Analysis of saliva pH and buffering capacity.Dental plaque and methods of its detection. Methods and indicators of oral hygiene. Practical part: Determination of API. |
|  | Molding of lower permanent premolars and molars with Essential Lines method. Practical test. |
|  | **SUMMARY OF INFORMATIOM FROM THE EXERCISES. Practical skills colloquium**  |

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| **DATE** | **GR. A****Room B** | **Gr B****Room C** |
| **24.02.2023** | **1** | **12** |
| **02.03.2023** | **2** | **1** |
| **09.03.2023** | **3** | **2** |
| **16.03.2023** | **4** | **3** |
| **23.03.2023** | **5** | **4** |
| **30.03.2023** | **6** | **5** |
| **06.04.2023** | **7** | ***6*** |
| **13.04.2023** | **8** | **7** |
| **20.04.2023** | **9** | **8** |
| **27.04.2023** | **10** | **9** |
| **04.05.2023** | **11** | **10** |
| **11.05.2023** | **12** | **11** |
| **18.05.2023** | **13** | **13** |

#### **LIST OF TEXTBOOKS**

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| **Basic** | **Supplementary** |
| Anatomy of Orofacial Structures, 7th edition, Brand | Netter’s Head and Neck Anatomy for Dentistry, Norton |
| Wheeler’s Dental Anatomy, Physiology and Occlusion, Ash, Nelson | Functional Occlusion, Dawson |
| Anatomy of the Teeth Anatomical Chart”, Anatomical Chart Company | Oral Anatomy, Histology and Embryology, 4th Edition, Berkovitz |
|  | Evidence-Based Dentistry: An Introduction, Hackshaw, Paul, Daven |