

**FACULTY OF DENTAL MEDICINE – SOFIA**  
**DEPARTMENT OF ORTHODONTICS**

---

---

**Schedule of Lectures in Orthodontics**  
**for Foreign Students 4<sup>th</sup> year,**  
**7<sup>th</sup> winter semester**

1. Study cast analysis. Orthodontic diagnosis. Single arch analysis: tooth position evaluation, tooth size discrepancies. Sectional analysis, arch length discrepancies, maxillofacial discrepancies.
2. Study cast analysis. Evaluating the occlusion in deciduous, mixed and permanent dentition.
3. Maturational changes in dental arches and occlusion. Prediction of the development of the dental arches and the occlusion in deciduous, mixed and permanent dentition.
4. The scope of orthodontics. Interdisciplinary relations. Orthodontic terms.
5. Maxillofacial development. (Facial growth.)
6. Orthodontic diagnosis and photographic analysis. Radiological examination – methods.
7. Cephalometric radiographs – types. Lateral projection cephalometry.
8. Orthodontic diagnosis – clinical diagnostic procedures.
9. Functional assessment of the orofacial system.
10. Classification and principles of action of the orthodontic appliances. Basic elements of the lingual plate.
11. Orthodontic materials.
12. Fixed appliances: edgewise and straight wire appliance. Stages of edgewise appliance orthodontic treatment.
13. Extraoral orthodontic appliances.
14. Functional appliances and modifications with active elements – Schwarz appliance, monoblock, activator, twin block.
15. Myofunctional appliances. Aligners.

**Head of Department of Orthodontics :**  
**/Professor L.Andreeva, DDS, MSD, PhD, DSc/**

**FACULTY OF DENTAL MEDICINE – SOFIA**  
**DEPARTMENT OF ORTHODONTICS**

---

---

**Schedule of Clinical practical classes in Orthodontics**  
**for Foreign Students 4<sup>th</sup> year,**  
**7<sup>th</sup> winter semester**

1. Lower jaw impressions. Making study casts and trimming.
2. Upper jaw impressions. Making study casts and trimming.
3. Bite registration. Final cast trimming.
4. Single arch analysis in permanent dentition.
5. Single arch analysis in permanent dentition. Checkup and discussion.
6. Examination of the occlusion. Checkup and discussion.
7. **Written exam.** Single arch analysis and examination of the occlusion.
8. Single arch analysis and examination of the occlusion in mixed dentition. Moyers analysis.
9. Single arch analysis and examination of the occlusion in mixed dentition. Checkup and discussion.
10. Single arch analysis and examination of the occlusion in deciduous dentition.
11. **Colloquium** – study cast analysis.
12. Periapical x-ray analysis. Panoramic x-ray analysis (panorametry).
13. Lateral projection cephalometry – points and planes.
14. Lateral projection cephalometry. Checkup and discussion.
15. Signature.

**Head of Department of Orthodontics :**

**/Professor L.Andreeva, DDS, MSD, PhD, DSc/**