

SYLABUS

Subject:	<i>Ortodontics 1</i>		
Study programme:	<i>Dental Medicine</i>	Semester:	<i>9. semester</i>
Valuation:	<i>Absolved</i>	Obligation:	<i>obligatory</i>
Number of hours:	<i>2 hours lectures+4 hours practicals/7weeks</i>		<i>42 hours</i>

Place: Department of Stomatology and Maxillofacial Surgery
1 st Department of Stomatology
Department of Stomatology and Maxillofacial Surgery and Specialized
Hospital for Head and Neck Diseases, Academy of Košice, n.o

Lectures: Lecture room PU

<i>Week</i>	<i>Lectures</i>	<i>Practicals</i>
1.	Definition of Orthodontics. Regular dentition. Dysgnathion. Anomalies of individual teeth. 23.11.2026 08:00-09:30 PU MDDr. Eleonóra Ivančová, PhD., MHA.	Definition of orthodontics. Anomalies of individual teeth. Anomalies of jaw. Anomalies of dental arches.
2.	Orthodontic patient examination. Orthodontic patient documentation. 26.11.2026 12:30-14:00 PU MDDr. Eleonóra Ivančová, PhD., MHA.	Examination methods and documentation in orthodontics. Analysis of teeth on models and recording of orthodontic diagnosis.
3.	Cephalometric X-ray, Evaluation of cephalometric images. Skeletal diagnostics. 27.11.2026 09:45-11:15 PU MUDr. Jana Surovková	Tying ligatures and wire arches to typodont. Test
4.	Prenatal development. Growth changes in maxilla and mandible. Skeletal age. 30.11.2026 14:15-15:45 PU MUDr. Janka Jenčová, PhD.	Cephalometric X-ray analysis – Dental and skeletal dimensions.

5.	Replacement of the teeth I. Period of replacement. II. Period of replacement. Permanent dentition – characteristics. 02.12.2026 08:00-09:30 PU MDDr. Juraj Bánovčin, PhD .	Making the dental casts in orthodontics. Cast analysis. Test
6.	Classification of disgnathia. Angle classification. Biogenetic classification. 02.12.2026 14:15-15:45 PU MDDr. Juraj Bánovčin, PhD .	Skeletal and dental age. Growth rotations and their significance for the orthodontic treatment plan.
7.	The importance and goals of orthodontic treatment. 04.12.2026 09:45-11:15 PU MDDr. Gabriela Verbová, PhD. FINAL TEST FROM LECTURES	Suitable age for orthodontic treatment.

Specific conditions for passing the subject:

Passing 100% participation in practical exercises and lectures.

Continuous monitoring with a record of the evaluation of a clinical teaching

Final testfor lectures with minimal knowledge assessment at the level of 60%

Final test with minimal knowledge assessment at the level of 60% in the corresponding semester.

List of performances during clinical practice:

Diagnosing patients with orthodontic anomalies 7

Orthodontic model analysis 5

Orthodontic analysis of cephalometric RTG images 5

Admission orthodontic examination 5

Alginate impressions 3

Recommended literature:

Whaites, E.: Essentials of dental radiography and radiology, 1998, ISBN 9780702045998

Graber, M.: Orthodontics, 2005, ISBN-10:0323026214