

Course unit title	DENTAL DISEASES AND ANALGESIA
Course unit code	OP(SK)/4-1
Type of course unit	Compulsory
Level of course unit	First cycle
Year of study (if applicable)	Second year
Semester/	Spring semester
Number of ECTS credits allocated	6 ECTS
Learning outcomes of the course unit	<p>Upon completion of the course unit, students will be able to:</p> <p>LO1. Assess the prevalence and intensity of oral and dental diseases and their dependence on various factors by preparing an applied research project.</p> <p>LO2. Recognise diseases of hard dental tissues and endodontic diseases, identify their risk factors, prevention methods and causes of dental caries.</p> <p>LO3. Prepare ex tempore materials used in restorative dentistry according to the treatment stage being performed.</p> <p>LO4. Coordinate work activities with the dentist during restorative dental treatment.</p> <p>LO5. Select and prepare instruments and auxiliary materials used for restorative and endodontic treatment procedures and assist using a rubber dam system.</p> <p>LO6. Apply infiltration and topical anaesthesia methods while assisting the dentist.</p> <p>LO7. Distinguish healthy teeth and surrounding tissues from caries-affected structures on radiographs.</p>
Mode of delivery	Blended learning
Prerequisites and co-requisites	Anatomy, Physiology and Pathology; Infection Control in Dentistry; Introduction to Clinical Dentistry; Pharmacology and Phytotherapy; First Aid.
Course contents	Prevalence, aetiology and pathogenesis of dental caries. Classification, clinical manifestations and diagnosis of caries. Etiological treatment of caries and cavity preparation. Restorative materials and principles of dental restoration. Auxiliary materials used in restorative dentistry. Dental micro- and macro-aesthetics. Pulp and apical periodontitis: aetiology, classification, diagnosis and treatment principles. Endodontic instruments, medicaments and filling materials. Local anaesthetics, injection anaesthesia and complications of local anaesthesia. Radiological examination in dentistry.
Planned learning activities and teaching methods	Interactive lectures, presentation of viewpoints, self-directed learning, evaluative discussions, case analysis, experiential learning activities, role-play, project work, advanced practice analysis and practical training.
Assessment	Examination – 50% Feedback assessment – 10% Continuous assessment – 40%
Language of instruction.	English
Work placement(s)	Utenos kolegija Higher Education Institution Faculty of Medicine Centre of Prepare Dental Care Specialist