

Study program: DENTISTRY
Type and level of studies: Integrated academic studies, Level 1/2
<b>Course unit: Preclinical endodontics</b>
<b>Teacher in charge: Associate Professor Milica Popovic, DD, DSc, MSc</b>
Language of instruction: ENGLISH
ECTS: 4
Prerequisites: Completed course in Restorative dentistry (odontology)
Semester: SUMMER SEMESTER (8th semester)
<b>Course unit objective:</b> Introduction to the principles and methods of endodontic therapy.
<p><b>Learning outcomes of Course unit:</b></p> <p>Knowledge of instruments and materials in endodontics.</p> <p>Knowledge of endodontic space instrumentation on the model.</p> <p>Skills to independently perform the preparation of the access cavity.</p> <p>Skills to independently perform instrumentation and obturation of the root canal on the model.</p>
<p><b>Course unit contents</b></p> <p><i>Theoretical classes</i></p> <p><i>Anatomical and morphological characteristics of dental pulp cavity. Basic principles of endodontic treatment, design of therapy and phases of therapy. Endodontic instruments for root canal treatment: manual, rotating and ultrasonic. Preparation of the access cavity depending on the morphological group of teeth. Examination of initial canal patency, extirpation and odontometry. Manual techniques and methods of root canal preparation. Rotating root canal preparation techniques. Irrigation of the root canal of tooth-rinsing agents and methods of application. Medication of the root canal - drugs and methods of application. Tooth root canal obturation - conditions and purpose of obturation. Root canal obturation techniques. Necropulpectomy - indications, means and methods. Endodontic therapy of teeth with avital pulp.</i></p> <p><i>Practical classes</i></p> <p><i>Introduction to endodontic procedure. Design of the access cavity by morphological groups (incisors). Design of the access cavity by morphological groups (premolars). Design of the access cavity by morphological groups (molars). Introduction to the design and dynamics of use of the endodontic instrument (manual, rotary). Examination of root canal patency, odontometry. Techniques and methods of root canal preparation with manual instruments. Techniques and methods of root canal preparation with rotary instruments. Use of irrigation and lubrication agents during endodontic treatment of root canals. Root canal obturation.</i></p>
<p><b>Literature</b></p> <ul style="list-style-type: none"> <li>• Tronstad L. Clinical Endodontics: A Textbook; 2nd Edition ,2003</li> <li>• Basrani B. Endodontic Radiology. 2nd Edition. Wiley Blackwell, 2013.</li> <li>• BergenholtzG. Textbook of Endodontology. 2nd Edition, Wiley Blackwell, 2013.</li> </ul>

<b>Number of active teaching hours</b>				<b>Other classes</b>
Lectures: 15	Practice: 30	Other forms of classes:	Independent work:	
<b>Teaching methods: Lectures, practice whit tooth models, dental instruments and dental materials</b>				
<b>Examination methods (maximum 100 points)</b>				
<b>Exam prerequisites</b>	<b>No. of points:</b>	<b>Final exam</b>		<b>No. of points:</b>
Student's activity during lectures	<b>30</b>	oral examination		
practical classes/tests		written examination		<b>70</b>
Seminars/homework				
Project				
Other				

<b>Grading system</b>		
<b>Grade</b>	<b>No. of points</b>	<b>Description</b>
<b>10</b>	<b>95-100</b>	<b>Excellent</b>
<b>9</b>	<b>85-94</b>	<b>Exceptionally good</b>
<b>8</b>	<b>75-84</b>	<b>Very good</b>
<b>7</b>	<b>65-74</b>	<b>Good</b>
<b>6</b>	<b>55-64</b>	<b>Passing</b>
<b>5</b>	<b>&lt; 54</b>	<b>Failing</b>

**Course unit description**