

Course Title	Endodontics V				
Course Code	DES450				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> Cycle)				
Year / Semester	4 <sup>th</sup> year / 8 <sup>th</sup> semester				
Teacher's Name	TBA				
ECTS	4	Lectures / week	1 hr / 13 weeks + exam week	Clinic / week	3 hrs / 13 weeks + 4 hrs / 6 weeks
Course Purpose and Objectives	<p>Provide students, all basic knowledge and clinical skills on the biological principles and practice of endodontic treatment strategies beyond the primary non-surgical root canal treatment, with emphasis on the vital pulp therapy and root canal re-treatment.</p> <p>The students will be trained in clinical endodontics: Diagnosis of endodontic pathoses and practice in root canal treatment in single-rooted and multi-rooted teeth with vital and necrotic pulp with or without apical periodontitis.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Diagnose pulpitis, pulp necrosis and apical periodontitis</li> <li>• Practice infiltration and regional anaesthesia for endodontics and intrapulpal, anaesthesia</li> <li>• Perform and evaluate the initial, diagnostic and post-obturation radiographs</li> <li>• Practice application of rubber dam</li> <li>• Practice all steps of primary non-surgical endodontic treatment in single and, multi-rooted teeth.</li> <li>• Demonstrate indications, contra-indications in non-surgical root canal re-treatment</li> </ul>				
Prerequisites	None		Co-requisites	None	
Course Content	<ul style="list-style-type: none"> <li>• Pulp management in non-exposed carious teeth</li> <li>• Pulp management in exposed carious teeth</li> <li>• Pulp management in carious immature teeth</li> <li>• Pulp management in traumatized immature teeth</li> <li>• Diagnosis and management of endo-periodontal diseases;</li> <li>• Management of endodontical problems in primary teeth</li> <li>• Diagnostic challenges in non-surgical root canal retreatment</li> <li>• Practice in non-surgical root canal retreatment</li> </ul>				

	<ul style="list-style-type: none"> <li>• Biological principles of surgical root canal treatment:</li> <li>• clinical indications, materials and techniques in surgical endodontics</li> <li>• practice in periradicular curettage, root-end resection (apicectomy), root-end filling, root amputation and hemisection.</li> <li>• : review</li> </ul> <p>Clinical work - Diagnosis, treatment planning and primary root canal treatment in single and multi-rooted with or without apical periodontitis.</p>								
Teaching Methodology	Face-to-face								
Bibliography	<p>Torabinejad M, Walton R. Endodontics: Principles and Practice. Philadelphia: Saunders, 2014.</p> <p>Bergenholtz G, Hørsted-Bindslev P, Reit C. Textbook of Endodontology. Oxford: Blackwell, 2012.</p>								
Assessment	<table border="0"> <tr> <td>Final Examination</td> <td style="border: 1px solid black; text-align: center;">60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td style="border: 1px solid black; text-align: center;">30%</td> </tr> <tr> <td>Participation and attendance</td> <td style="border: 1px solid black; text-align: center;">10%</td> </tr> <tr> <td>Total</td> <td style="border: 1px solid black; text-align: center;">100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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