

Course Title	Endodontics IV				
Course Code	DES405				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	4 th year / 7 th semester				
Teacher's Name	TBA				
ECTS	4	Lectures / week	1 hr / 13 weeks + exam week	Clinic / week	3 hrs / 13 weeks
Course Purpose and Objectives	<p>Provide students, all basic knowledge and clinical skills on the biological principles and practice of the non-surgical root canal treatment, with emphasis on the widely used clinical treatment protocols and techniques.</p> <p>The students will be trained in clinical endodontics: Diagnosis of endodontic pathoses and practice in root canal treatment in single-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"> • Demonstrate proficiency in the diagnosis of pulpitis and pulp necrosis. • Demonstrate proficiency in infiltration and regional anaesthesia for endodontics and intrapulpal, anaesthesia. • Perform and evaluate the initial, diagnostic and post-obturation radiographs • Apply rubber dam • Demonstrate proficiency in all steps of primary non-surgical endodontic treatment in single rooted teeth. 				
Prerequisites	None	Co-requisites	None		
Course Content	<ul style="list-style-type: none"> • Microbiology of endodontic disease • Intraradicular and extraradicular causes of apical periodontitis • Success and failure of root canal treatment • Biological principles and practice in root canal treatment: diagnostic challenges • Biological principles and practice in root canal treatment: treatment strategies • Biological principles and practice in root canal treatment: cleaning and shaping protocols 				

	<ul style="list-style-type: none"> • Biological principles and practice in root canal treatment: irrigation and disinfection protocols • Biological principles and practice in root canal treatment: obturation techniques • Procedural errors in root canal treatment: description • Procedural errors in root canal treatment: management • Flare-up of apical periodontitis during root canal treatment <p>Clinical work - Diagnosis, treatment planning and primary root canal treatment in single rooted teeth with or without apical periodontitis.</p>								
Teaching Methodology	Face-to-face								
Bibliography	Torabinejad M, Walton R. Endodontics: Principles and Practice. Philadelphia: Saunders, 2014. Bergenholtz G, Hørsted-Bindslev P, Reit C. Textbook of Endodontology. Oxford: Blackwell, 2012.								
Assessment	<table border="1"> <tr> <td>Final Examination</td> <td>60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td>30%</td> </tr> <tr> <td>Participation and attendance</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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