

Course Title	Operative Dentistry VII				
Course Code	DES555				
Course Type	Compulsory				
Level	Bachelor (1 <sup>st</sup> Cycle)				
Year / Semester	5 <sup>th</sup> year / 10 <sup>th</sup> semester				
Teacher's Name	TBA				
ECTS	5	Lectures / week	1 hr / 13 weeks + exam week	Clinic / week	4 hrs / 13 weeks + 5 hrs / 6 weeks
Course Purpose and Objectives	<p>This course is a continuance of the Operative Dentistry VI course. It includes a lecture and clinical component. The theoretical component is designed to give to the students knowledge on patient comprehensive examination and assessment, diagnosis, treatment planning, ethical and compassionate patient communication and patient management. The principles, terminology, instruments, materials and techniques that are taught in the pre-clinical and the first clinical year will be further discussed in a more advanced level. The endodontic, periodontal, radiographic and occlusal evaluation will be related to the clinical practice of Operative Dentistry for the students to develop critical thinking during clinical patient care. Evidence based literature relevant to contemporary Operative Dentistry will be reviewed and students will have assignments related to that information.</p> <p>In the clinical component, the students will treat patients under calibrated supervision, following the principles and techniques they learned in the laboratory simulation training and the theoretical component, utilizing current techniques, instrumentation and materials. They will work in a more advanced level from the previous clinical semesters and they will build experience in providing safe and effective comprehensive treatment of patients, following operative and non-operative, prevention-based treatment plans. All aspects of Operative Dentistry interventions will be applied on the basis of a clear understanding of the aetiology and preventive aspects of caries and caries management by risk assessment.</p> <p>The students will be treating a diverse population of patients with different backgrounds, to be exposed to different patient approaches and emphasis will be given to the appropriate diagnosis and treatment planning, including alternative treatment plans and proper patient communication. The philosophy of Operative Dentistry treatment will be minimum invasion and focus will be given on preventive measures,</p>				

	appropriate home care and dental follow ups to treat etiologically the dental caries disease. Proper rubber dam isolation techniques will be applied to the majority of Operative Dentistry cases. Students will have to comply with infection control protocols and all safety regulations, including environmental protection measures during all clinical procedures.		
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Successfully manage dental related accidents and fractures.</li> <li>• Clinically manage dental aesthetic problems.</li> <li>• Manage clinically teeth with extensive loss of tooth structure with indirect procedures such as cast and porcelain inlays and onlays.</li> <li>• Manage and restore endodontically treated teeth in cooperation with different dental specialties, as indicated.</li> <li>• Appropriately manipulate and place, in patient tooth cavities, restorative materials such as amalgam, composite resin and glass ionomer cements in order to properly restore anatomical form, function and aesthetics.</li> </ul>		
Prerequisites	None	Co-requisites	None
Course Content	<ul style="list-style-type: none"> <li>• Clinical diagnosis and restorative treatment planning of endodontically treated teeth.</li> <li>• Critical thinking and problem-solving skills in the comprehensive care of patients.</li> <li>• Clinical approach to Operative Dentistry in cooperation with the different Dental specialties in complex, multidisciplinary cases.</li> <li>• Communication with patients, peers, other professionals and staff.</li> <li>• Maintenance procedures for Operative Dentistry restorations.</li> <li>• Basic principles of practice management.</li> </ul>		
Teaching Methodology	Face-to-face		
Bibliography	<p>Ritter AV, Boushell LW, Walter R. Sturdevant's Art and Science of Operative Dentistry. St. Louis: Elsevier, 2018.</p> <p>Sakaguchi RL, Ferracane JL, Powers JM. Craig's Restorative Dental Materials. St. Louis: Elsevier, 2018.</p> <p>Hilton TJ, Ferracane JL, Broome J. Summitt's Fundamentals of Operative Dentistry: A Contemporary Approach. Hanover Park, Illinois: Quintessence Publishing, 2013.</p>		

Assessment	<table border="1"> <tr> <td data-bbox="448 235 1029 271">Final Examination</td> <td data-bbox="1029 235 1203 271">60%</td> </tr> <tr> <td data-bbox="448 275 1029 349">Laboratory / Clinical Work / Oral presentations</td> <td data-bbox="1029 275 1203 349">30%</td> </tr> <tr> <td data-bbox="448 353 1029 389">Participation and attendance</td> <td data-bbox="1029 353 1203 389">10%</td> </tr> <tr> <td data-bbox="448 394 1029 430">Total</td> <td data-bbox="1029 394 1203 430">100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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Language	English								