

Course Title	Removable Prosthodontics I				
Course Code	DES 265				
Course Type	Compulsory				
Level	Bachelor of Dentistry				
Year / Semester	2 nd year / 4 th semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	2 hrs / 13 weeks + exam week	Laboratories / week	2 hrs / 13 weeks
Course Purpose and Objectives	<p>Purpose:</p> <p>Removable Prosthodontics is a subspecialty of Prosthodontics dealing with the replacement of missing teeth through the provision of removable prostheses. These may be either partial dentures, when there are some remaining teeth which are used to anchor the prosthesis, or complete dentures, when all the teeth in a jaw are missing. Even though modern implant dentistry may provide better options for the patient compared to a removable prosthesis, there are many cases where implant treatment is contraindicated or declined by the patient due to the associated surgical procedures and increased costs. In these cases, a removable prosthesis may be the only option for the patient to replace the missing teeth and restore the facial appearance and the functions of speech and mastication.</p> <p>Objectives:</p> <p>This course is an introduction to Removable Prosthodontics and covers all necessary clinical and technical information for the diagnosis and treatment planning procedures prior to provision of removable partial dentures and complete dentures. The course is delivered through lectures and hands-on laboratory training, integrating basic dental sciences with dental laboratory technology.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> Describe the important characteristics, clinical behaviour and adverse effects of dental materials used in Removable Prosthodontics 				

	<ul style="list-style-type: none"> • Describe the reasons patients might seek Prosthodontic treatment • Describe the limitations of Removable Prosthodontic rehabilitation • Carry out diagnosis and treatment planning for partially dentate and edentulous patients • Describe all clinical and laboratory stages required for diagnosis and treatment planning in Removable Prosthodontics 		
Prerequisites	None	Co-requisites	None
Course Content	<p>In that regard, students will familiarize themselves with the following Modules:</p> <ul style="list-style-type: none"> • Introduction to Removable Partial Dentures (RPDs): partially edentulous epidemiology, physiology and terminology • Dental materials used in Removable Prosthodontics; characteristics, clinical behaviour and adverse effects • Clinical examination, special tests and patient evaluation prior to provision of RPDs; clinical indications & contraindications for RPDs • Preliminary jaw relationship registration; articulators & facebows in Removable Prosthodontics • Biomechanics of RPDs; Classification of partially edentulous arches and types of RPDs • Surveying of primary casts for RPD design; RPD design step by step • Introduction to Complete Dentures (CDs): epidemiology, physiology and biomechanics of the edentulous state • The anatomy of the edentulous mouth; clinical examination & evaluation prior to provision of CDs • Sequelae caused by wearing complete dentures • Diagnosis & treatment planning for edentulous or potentially edentulous patients • The retention of CDs • Mouth preparation prior to provision of CDs • Overview of laboratory procedures in RPD fabrication; handling of impression materials & gypsums; cast alginate impression hands-on • Primary impression for maxillary RPD & fabrication of study cast • Primary impression for mandibular RPD & fabrication of study cast • Fabrication of wax bases and occlusion rims for RPDs • Mounting primary casts on articulator • Surveying & RPD design practical 		

	<ul style="list-style-type: none"> • Overview of laboratory procedures in CD fabrication; maxillary primary impression for CD and casting in gypsum • Mandibular primary impression for CD and casting in gypsum • Custom tray fabrication for maxillary CD • Custom tray fabrication for mandibular CD • Duplication of existing complete denture • Secondary impressions for CDs & fabrication of working casts 								
Teaching Methodology	Lectures, Laboratories, Face-to-face								
Bibliography	<p>Textbooks</p> <p>Carr AB, Brown DT. McCracken's Removable Partial Prosthodontics. St. Louis: Elsevier, 2016.</p> <p>Zarb GA, Hobkirk J, Eckert S, Jacob R. Prosthodontic Treatment for Edentulous Patients: Complete Dentures and Implant-Supported Protheses. St. Louis: Elsevier, 2013.</p> <p>Additional reading:</p> <p>Journals will be provided throughout the semester</p> <p>O'Brien WJ. Dental Materials and Their Selection. Hanover Park, Illinois: Quintessence Publishing, 2008.</p> <p>Budtz-Jorgensen E. Prosthodontics for the Elderly: Diagnosis and Treatment. Hanover Park, Illinois: Quintessence Publishing, 1999.</p>								
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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