

Course Title	Fixed and Removable Prosthodontics III				
Course Code	DES510				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	5 th year / 9 th semester				
Teacher's Name	TBA				
ECTS	5	Lectures / week	1 hr / 13 weeks + exam week	Clinic / week	4 hrs / 13 weeks
Course Purpose and Objectives	This course aims to familiarise the students with evidence-based decision making and practice in Prosthodontics. This will be achieved through the delivery of clinical seminars during which journal articles on selected clinical topics will be presented and discussed in groups. The students will also undertake the presentation of relevant journal articles in support or in disagreement to the selected papers to initiate discussion and critical thinking.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Identify and access peer reviewed journal articles relevant to specific clinical topics • Critically read and evaluate journal articles • Summarise the available scientific literature • Identify clinically relevant conclusions from the scientific literature • Translate findings from the scientific literature into practice • Discuss their clinical cases and base their clinical treatment plans on relevant scientific literature. 				
Prerequisites	None	Co-requisites	None		
Course Content	<ul style="list-style-type: none"> • The emotional and psychological effects of tooth loss • Crowns (Overview) Analyse papers on longevity of different types of crowns. Discuss different preparation techniques and materials. Discuss potential clinical cases of students that may require crowns and treatment plan them. Evidence on the short dental arch concept <p>Identification and management of Tooth Surface Loss. Evidence based – analysis of relevant papers</p>				

	<ul style="list-style-type: none"> • Patient satisfaction and survival rates of fixed versus removable partial dentures • Tooth restorability (decision to extract or to maintain). Literature review. Application to clinical cases. • Denture wearing and quality of life: the case for implant supported overdentures over conventional complete dentures; the McGill consensus statement. • Fixed Partial Dentures (Conventional and Resin Retained). Analysis of the literature and presentation of clinical cases. Explore the evidence on longevity of different types of bridges. Discuss how to examine and evaluate existing FPD. • Evidence on allergic reactions to polymethyl methacrylate & the use of hypoallergenic denture base materials. • Biomaterials (Overview): • Overview of materials that are commonly used in both fixed and removable prosthodontics. Discuss possible side effects and interactions materials may have with the oral environment. Analyse clinical cases of the students and justify what materials should be used. • The neutral zone concept: rationale and evidence. • Occlusion: Discuss the different occlusal schemes. Discuss how the occlusion can be affected when undertaking small changes (conforming to the existing occlusion) and how it alters when preparing for multiple prosthesis (re-organised approach). Analyse step-by-step a clinical case that may need alteration in the occlusion. Occlusal schemes for complete dentures.
Teaching Methodology	Face-to-face
Bibliography	<p>Shillingburg HT, Sather Jr DA, Wilson Jr EL, Cain JR, Mitchell DL, Blanco LJ, Kessler JC. Fundamentals of Fixed Prosthodontics. Hanover Park, Illinois: Quintessence Publishing, 2012.</p> <p>Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics. St. Louis: Elsevier, 2015.</p> <p>Hagiwara Y. Color Atlas of Fixed Prosthodontics. Hanover Park, Illinois: Quintessence Publishing, 2013.</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>								
<p>Assessment</p>	<table border="1" data-bbox="443 750 1197 954"> <tr> <td data-bbox="443 750 1023 790">Final Examination</td> <td data-bbox="1023 750 1197 790">60%</td> </tr> <tr> <td data-bbox="443 790 1023 875">Laboratory / Clinical Work / Oral presentations</td> <td data-bbox="1023 790 1197 875">30%</td> </tr> <tr> <td data-bbox="443 875 1023 916">Participation and attendance</td> <td data-bbox="1023 875 1197 916">10%</td> </tr> <tr> <td data-bbox="443 916 1023 954">Total</td> <td data-bbox="1023 916 1197 954">100%</td> </tr> </table>	Final Examination	60%	Laboratory / Clinical Work / Oral presentations	30%	Participation and attendance	10%	Total	100%
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<p>Language</p>	<p>English</p>								