Course Title	Fixed Prosthodontics II				
Course Code	DES310				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	3 rd year / 5 th semester				
Teacher's Name	ТВА				
ECTS	5	Lectures / week	2 hrs / 14 weeks	Laboratories / week	3 hrs / 13 weeks
Course Purpose and Objectives	Prosthodontics is the branch of dentistry pertaining to the restoration and maintenance of oral function, comfort, speech, appearance and health of the patient by the restoration of natural and/or missing teeth and craniofacial tissues with artificial substitutes. This course is designed to present foundational information and skill development in contemporary fixed prosthodontics. The basic principles and philosophies of restoring and replacing teeth using fixed cast, ceramo-metal, metal, zirconia and all ceramic restorations will be introduced. The examination, treatment planning and preparation of teeth will be emphasized. The use of appropriate dental materials, impression techniques, models and dies fabrication and temporization techniques will be presented.				
Learning Outcomes	 Upon successful completion of this course students should be able to: Discuss the need for fixed prosthodontic restorations. Describe the most common treatment options for fixed prosthodontic rehabilitation. Analyse the overall dental problems of the patient and relate them to the specific prosthetic needs. Apply and analyse different methods to be able to recreate an aesthetic and bite-functional solid construction for the patient. Account for clinical aspects concerning the effects of different materials and combinations of materials in crown and bridge therapy and be able to read and analyse radiographs with fixed prosthetic constructions. 				

	 At the conclusion of this also to: Prepare teeth (and monolithic zirconia) Prepare teeth (and crowns) Produce an accur (or other) impress temporary restora) Employ die stone(accurate dies and accurate dies accurate dies and accurate dies accur	 At the conclusion of this Simulation course, the student should be able also to: Prepare teeth (anterior and posterior) for full metal and monolithic zirconia crowns Prepare teeth (anterior and posterior) for ceramo-metal crowns Prepare teeth (anterior and posterior) for all ceramic (porcelain) crowns Produce an accurate final impression utilizing polyvinylsiloxane (or other) impression material construct a clinically acceptable temporary restoration using bisacryl or acrylic material Employ die stone(s) and other gypsum products to produce accurate dies and models for articulation accurately trim dies 				
Prerequisites	None	Co-requisites	None			
Course Content	 Lecture: Introduction to lab Introduction to cas Labs: Crown prep tooth 26 and provid Lecture: Introduction Metal Crowns & P Labs: Crown prep tooth 46 and provid Lecture: All ceram and zirconia crown Temporary and Pu Labs: Crown prep provisionalisation Lecture: Impression Soft tissue manage Labs: Crown prep provisionalisation Lecture: Fixed Pa Resin-Bondod brid 	Co-requisites None Lecture: Introduction in clinics of prosthetic dentistry Introduction to laboratory safety measures Introduction to cast restorations Labs: Crown prep (full metal / monolithic zirconia crown) for tooth 26 and provisionalisation Lecture: Introduction to clinical instruments including Burs Metal Crowns & Partial crowns including Veneers Labs: Crown prep (full metal / monolithic zirconia crown) for tooth 46 and provisionalisation Lecture: All ceramic (History of porcelain – feldspathic to emax) and zirconia crowns Temporary and Provisional Crowns Labs: Crown prep (ceramo-metal crown) for tooth 26 and provisionalisation Lecture: Impression materials Soft tissue management Labs: Crown prep (ceramo-metal crown) for tooth 46 and provisionalisation				
	Resin-Bonded brid Labs: Crown prep provisionalisation	dges (ceramo-metal crov	vn) for tooth 13 and			

	 Lecture: Introduction to articulators Jaw Relationship in crown and Bridge Labs: Crown preparation (all ceramic crown) for tooth 16 		
	 Lecture: Evaluation, cementation / bonding of indirect restorations (crown & bridges) Labs: Catch up session, complete and incomplete preps or practice 		
	 Lecture: Clinical Assessment, diagnosis and treatment planning Analysis and treatment planning of a case Labs: Crown preparation (All ceramic crown) for tooth 11 including provisionalisation 		
	 Lecture: Toothwear (attrition, acid dissolution/erosion, abrasion, abfraction) Labs: Preparation for ceramic Veneers for teeth 11 & 21 including provisionals 		
	 Lecture: Introduction to occlusion Labs: Preparation for an MOD Onlay for tooth 26 		
	 Lecture: Pre and post-operative care (for both patient and dentist). Indications and contraindications for prosthetic treatment Labs: Preparation for conventional fixed-fixed bridge involving teeth 44-46 and provisionalisation 		
	 Lecture: Occlusion part 2 with incorporated Facebow (clinical – demonstration) Labs: Wax-up session – learn how to wax-up two fractured anterior teeth in order to construct indices and then use as guides for reduction Lecture: Revision session 		
	Labs: Revision (mock exam)		
Teaching Methodology	Face-to-face		
Bibliography	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.		

	Rosenstiel SF, Land MF, Fujimoto J. Contemporary Fixed Prosthodontics. St. Louis: Elesvier, 2015. Hagiwara Y. Color Atlas of Fixed Prosthodontics. Hanover Park, Illinois: Quintessence Publishing, 2013. Additional reading: Journals will be provided throughout the semester O'Brien WJ. Dental Materials and Their Selection. Hanover Park,		
Assessment	Examinations Laboratory / Clinical Work / Oral presentations Class participation and attendance Total	60% 30% 10% 100%	
Language	English		