

Course Title	Orthodontics II				
Course Code	DES480				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	4 th year / 8 th semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	2 hrs / 13 weeks + exam week	Laboratories / week	2 hrs / 13 weeks + 4 hrs / 6 weeks
Course Purpose and Objectives	The students to become familiar with the protocol of orthodontic assessment as well as with the dental and skeletal components of the different malocclusions.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe the content of the dental specialty of Orthodontics with regard to the etiology and diagnosis of the various types of malocclusion and dentofacial deformities. • Perform the diagnosis of malocclusion in children, adolescents and adults utilizing all appropriate diagnostic methods (e.g., history, clinical examination, study casts, radiographic and cephalometric evaluation). • Describe the dental and skeletal components as well as the treatment principles of Class I, Class II division 1, Class II division 2 and Class III malocclusions. • Describe the clinical characteristics as well as the management principles of anterior open bite, posterior open bite, crossbites, and displaced canines. 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Lectures and Labs:</p> <ul style="list-style-type: none"> • Orthodontic assessment: Patient's concerns, dental history, medical history, extra-oral examination, and intra-oral examination. • Dental casts analyses. • Radiographic examination. • Cephalometric radiography. • Lateral cephalometric analysis. • Treatment planning – Forming a problem list. • Treatment planning – Aims of orthodontic treatment and treatment planning. 				

	<ul style="list-style-type: none"> • Informed consent and the orthodontic treatment plan. • Etiology, occlusal features and principles of treatment of Class I malocclusion. • Etiology, occlusal features and principles of treatment of Class II division 1 malocclusion. • Etiology, occlusal features and principles of treatment of Class II division 2 malocclusion. • Etiology, occlusal features and principles of treatment of Class III malocclusion. • Etiology and management of anterior open bite. • Etiology and management of posterior open bite. • Etiology and management of crossbites. • Prevalence, etiology and diagnosis of displaced canines. • Interception of displaced canines and avoidance of root resorption of incisors. • Management of impacted and transposed canines. • Review. 								
Teaching Methodology	Face-to-face								
Bibliography	<p>Athanasίου AE. Orthodontic Cephalometry. London: Mosby-Wolfe, 1997.</p> <p>Mitchel L. An Introduction to Orthodontics. Oxford: Oxford University Press, 2013.</p> <p>Proffit WR, Fields HW, Larson BE, Sarver DM. Contemporary Orthodontics. St. Louis: Mosby, 2018.</p>								
Assessment	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Final Examination</td> <td style="width: 30%; text-align: center;">60%</td> </tr> <tr> <td>Laboratory / Clinical Work / Oral presentations</td> <td style="text-align: center;">30%</td> </tr> <tr> <td>Participation and attendance</td> <td style="text-align: center;">10%</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">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								