

Course Title	Orthodontics I				
Course Code	DES435				
Course Type	Compulsory				
Level	Bachelor (1 st Cycle)				
Year / Semester	4 th year / 7 th Semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	1 hr / 13 weeks + exam week	Laboratories / week	3 hrs / 13 weeks
Course Purpose and Objectives	The students to become familiar with the biologic basis of contemporary orthodontic treatment.				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Describe the embryology and morphogenesis of the structures of the craniofacial complex. • Discuss the growth and development of the craniofacial complex. • Describe the development of the deciduous, mixed and permanent dentitions. • Recognize and describe using the appropriate terminology the characteristics of normal occlusion as well as the various types of malocclusion. • Evaluate the various concepts concerning the cellular basis of tooth movement. 				
Prerequisites	None		Co-requisites	None	
Course Content	<p>Lectures and Labs:</p> <ul style="list-style-type: none"> • Introduction to contemporary Orthodontics. • Need and demand for orthodontic treatment. • Etiology of malocclusion. • Soft tissue influence in the development of malocclusion. • Classification of malocclusion. • Normal dental development. • Abnormalities of eruption and exfoliation. • Mixed dentition problems. • Craniofacial embryology – Mechanisms of bone growth. • Postnatal craniofacial growth. • Biology of tooth movement. • Review. 				

Teaching Methodology	Face-to-face								
Bibliography	Melsen B, Athanasiou AE. Soft Tissue Influence in the Development of Malocclusion. Aarhus: The Royal Dental College, 1987, 1990. Mitchel L. An Introduction to Orthodontics. Oxford: Oxford University Press, 2013. Proffit WR, Fields HW, Larson BE, Sarver DM. Contemporary Orthodontics. St. Louis: Mosby, 2018.								
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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Language	English								