

Module (Course Syllabus) Catalogue 2022-2023

College/ Institute	Erbil medical technical institute	
Department	Department of dental assistant	
Module Name	Clinical Orthodontics	
Module Code	CLO417	
Degree	Technical Diploma <input checked="" type="checkbox"/>	Bachelor <input type="checkbox"/>
	High Diploma <input type="checkbox"/>	Master <input type="checkbox"/> PhD <input type="checkbox"/>
Semester	4 th	
Qualification	BDS, MSC. Orthodontics	
Scientific Title	Assistant lecturer	
ECTS (Credits)	5	
Module type	Prerequisite <input type="checkbox"/>	Core <input checked="" type="checkbox"/> Assist. <input type="checkbox"/>
Weekly hours	4	
Weekly hours (Theory)	(2)hr Class	(24)Total hrs Workload
Weekly hours (Practical)	(2)hr Class	(24)Total hrs Workload
Number of Weeks	12	
Lecturer (Theory)	Dr.Diyar Bakr Saber	
E-Mail & Mobile NO.	dyar.sabir@epu.edu.iq 07504755896	
Lecturer (Practical)	Dr.Haval Jalal Rasheed	
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Websites		

Course Book

<p>Course Description</p>	<p>Orthodontic Terminology and Anatomy</p> <p>Introductory orthodontist assistant classes provide an overview of the terminology, instruments and equipment used in orthodontics. Students learn, malocclusion classifications. Introductory orthodontist assistant courses familiarize students with the setup of an orthodontist's office and the role of an orthodontist assistant.</p> <p>Orthodontic Assistant Procedures</p> <p>Dental orthodontic assistant courses introduce students to treatments commonly used to correct dental crowding and malocclusion. Students learn about sterilizing equipment and taking impressions. how archwires, cables, brackets, rubber bands and cement work to move teeth and how bracket placement affects tooth treatment and long-term stability.</p> <p>Orthodontic Appliances</p> <p>orthodontist assistant classes cover orthodontic appliances, including headgear and palate expanders,. Students become familiar with the different appliances, including non-traditional appliances, and learn how to select, install and remove these appliances. This class may also cover dental impressions and bite registration.</p>
<p>Course objectives</p>	<ul style="list-style-type: none"> • Recognize the essential terminology necessary to properly describe orthodontics. • Identify orthodontic instruments. • Differentiate orthodontic appliances, and the function of each. • List the components and understand dental occlusion. • Understand malocclusion classification. • Learn how to sterilize orthodontic instruments.
<p>Student's obligation</p>	<ul style="list-style-type: none"> • Demonstrate professional behaviour by completing all course requirements, including course evaluations, in a timely manner. • Demonstrate responsibility and accountability by attending and being punctual at all required course activities such as laboratory sessions, blessing ceremonies, and exams. <p style="padding-left: 40px;">Demonstrate professional behaviour by requesting any excused absence from required course activities well ahead of the scheduled date</p>
<p>Required Learning Materials</p>	<ul style="list-style-type: none"> • Classroom lectures • Demonstrations • Tests and exams • Review for exams • Textbook reading assignments <p>Using: data show, white board, videos , pre lecture printed paper including all lecture information's, using anatomical models , 3D applications available wither on PC or smart phones.</p>

		Task	Weight (Marks)	Due Week	Relevant Learning Outcome
Evaluation		Paper Review	0		
	Assignments	Homework	5		
		Class Activity	2		
		Report	10		
		Seminar	10		
		Essay	0		
		Project	0		
		Quiz	8		
		Lab.	0		
		Midterm Exam	25		
		Final Exam	40		
		Total	100		
Specific learning outcome:	<ul style="list-style-type: none"> Identify and name parts of human occlusion apparatus Recognize different orthodontic treatment appliances. Communicate within the health team by using orthodontic concepts and definitions. Necessary orthodontic information's for further academic study in dental filled. 				

Course References:

1. *Orthodontic Assisting Technique and Theory Spiral-bound – 2005* by D. Douglas Depew, DMD, MS
2. *Contemporary Orthodontics* by Proffit DDS PhD, William R., Fields Jr. DDS MS MSD, Henry W., et al. | 2018.
3. *Orthodontics: Current Principles and Techniques* by Graber DDS MS PhD, Lee W., Vanarsdall Jr. DDS, Robert L., et al. | Aug 24, 2016.
4. *Recognizing and Correcting Developing Malocclusions: A Problem-Oriented Approach to Orthodontics* by Eustáquio A. Araújo and Peter H. Buschang | Jan 26, 2016.
5. *Esthetics and Biomechanics in Orthodontics* by Nanda BDS MDS PhD, Ravindra | Apr 10, 2014.
6. *Biomechanics in Orthodontics: Principles and Practice* by Ram S. Nanda and Yahya Tosun | Jun 30, 2010.
7. *World Federation of Orthodontists* <https://www.wfo.org/>.
8. *American association of orthodontics* <https://www.aaoinfo.org/>
9. *British orthodontic society* <https://www.bos.org.uk/>

Course topics (Theory)	Week	Learning Outcome
Introduction to orthodontics	1	Terminology & landmarks
Patient diagnosis requirements	2	Terminology & landmarks
Orthodontic instruments	3	Terminology & landmarks
Fixed orthodontic appliances parts	4	Terminology & landmarks
Removable, Myofunctional appliances	5	Terminology & landmarks
General orthodontic questions	6	Terminology & landmarks
Sterilization in orthodontics	7	Terminology & landmarks

S2 Mid-term	8	Terminology & landmarks
Orthodontic treatment risks	9	Terminology & landmarks
Relapse and retention	10	Terminology & landmarks
Lingual orthodontics	11	Terminology & landmarks
Clear orthodontic aligners	12	Terminology & landmarks
Practical Topics	Week	Learning Outcome
Introduction	1	Terminology and technique
Technique in taking impression	2	Terminology and technique
Cast set up	3	Terminology and technique
Orthodontic pliers	4	Terminology and technique
How to make vacuumed retainers	5	Terminology and technique
Parts of removable orthodontics	6	Terminology and technique
Parts of fixed orthodontics	7	Terminology and technique
Temporary anchorage devices	8	Terminology and technique
Sterilization in orthodontic instruments	9	Terminology and technique
Digital orthodontics	10	Terminology and technique

Elastics in orthodontics	11	Terminology and technique
Functional appliances	12	Terminology and technique

Questions Example Design

1. Compositional: Q/ classify orthodontic malocclusion, and describe on what you depend on this classification!

Class I , Class II , Class III. According to angle classification how depend on maxillary and mandibular first molar relation ship Etc.

2. True or false type of exams:

Buccal tubes are part of fixed orthodontic appliance (True)

3. Multiple choices:

Q/ first choice of tooth to be extracted in orthodontic torment is :

A- Molars **B-** Canine . **C-** 1st premolars . **D-** 2nd premolars.

Extra notes:

A better learning objective will be achieved through demonstrations using prosected cadavers, anatomical models if available.

External Evaluator

من د. رهوند احمد محمود پزشکی ددان و پسیوری بواری راستگردنهوهی ددان (ماموستا) نه هه مان بهش
چاوم خشاندهم کوریکوله مه دا ههستم بهوه کرد که بابتهکان نه کهل ناوهر وکهکان لیکهوه نزیکن و به باشی
مافی بابتهکه دراوه

