

Program Specification Document (PSD)

Dental Assistant:

I. Course Identification and General Information:		
1	Course Title:	Dental Assistant Certificate
2	Number of years needed for completion of the program	3years
3	Total credit hours needed for completion of the program	Credit hours
4	Study system	6 Semester/Terms
5	Award granted on completion of the program	Diploma Degree of Dental assistant Certificate
6	Name of the university which provide the Award	
7	Name of the faculty which own the program and provide the Award	Basic Medical Sciences
8	Language of Teaching the Course:	English/ Arabic
9	Date of program development	
10	Date of Program Approval from the University	
11	Prepared by:	Dr/ Naela Mohammed Almogahed
13	Date of Approval:	2021-2022

التوزيع الزمني للمقررات الدراسية

Weakley hours				متطلبات عامه			
C-H	F	P	L	Courses titles	اسم المقرر	code	no
2	0	0	2	Islamic Culture	ثقافته اسلاميه	OH1101	1
2	0	0	2	Arabic Language	لغة عربيه	AL1102	2
2	0	0	2	(Language (2 English	لغة انجليزيه (2)	EL1103	3
2	0	0	2	(Language (2 English	لغة انجليزيه (2)	EL1104	4
2	0	1	1	Computer Skill	مهارة حاسوب	CS1105	5
2	0	0	2	National Culture	الثقافة الوطنية	Hs1106	6
2	0	0	2	Israel Arabic Fight	الصراع العربي الاسرائيلي	Af1107	7
2	0	0	2	Medical Biology	احياء طبيه	Bi1108	8
16	0	1	15	الاجمالي			
	48	32	16	حساب الساعات النظرية والعملية والحقلية الترم لعدد 16 اسبوع			
272	0	32	240	قيم الساعات المعتمدة لكل ساعه للترم			
272		272		اجمالي عدد ساعات الترم			

Weakley hours				متطلبات مسانده			
C-H	F	P	L	Courses titles	اسم المقرر	code	no
1	0	0	1	Medical Terminology	مصطلحات طبيه	MT1201	1
2	0	1	1	Dental Anatomy	تشريح	A1202	2
2	0	1	1	Physiology	وظائف أعضاء	P1203	3
1	0	0	1	Biochemistry	كيمياء حيوية	BC1204	4
1	0	0	1	Psychology 1	علم نفس	Ps1205	5
2	0	1	1	Fundamentals of Infection control	اساسيات التحكم بالعدوى	FIC1206	6
2	0	0	2	Public Health	الصحة العامة	PH1207	7
2	0	1	1	First aid	الاسعافات الأولية	FA1208	8
2	0	0	2	Introduction of Pathology	مقدمه في علم الأمراض	Pa2209	9
1	0	0	1	administration Health	اداره صحيه	HA1210	10
1	0	0	1	Biostatics	الاحصاء الحيوي	BS3211	11
1	0	0	1	Research Methodology	مناهج بحث	RM3212	12
1	0	0	1	Professional ethics	اخلاقيات المهنة	PE3213	13
1	0	0	1	Communication Skill	مهارات الاتصال	CS3214	14
2	2	0	0	Graduation project	مشروع التخرج	Gp3215	15
22	2	4	16	الاجمالي			
96	48	32	16	حساب الساعات النظرية والعملية والحقلية الترم لعدد 16 اسبوع			
432	48	128	256	قيم الساعات المعتمدة لكل ساعه للترم			
432		432		اجمالي عدد ساعات الترم			

Weakley hours				متطلبات التخصص			no
C-H	F	P	L	Courses titles	اسم المقرر	code	
3	0	1	2	Micro Biology & Parasitology	احياء دقيقه وطفيليات	CS1301	1
3	0	1	2	Fundamentals of Nursing	اساسيات التمريض	GP1302	2
3	0	1	2	Dental morphology	تشريح اسنان	DA1303 /4	3
3	0	1	2	Dental instruments	امواد سننيه	DM1305	4
2	0	0	2	Introduction Pharmacology	علم ادويه(1)	PH2306	5
3	0	1	2	Basic for Head and Nek Anatomy	أسناسات تشريح راس والعنق	HNA2307/8	6
2	0	0	2	Psychology 2	علم النفس 2	HE2309	7
3	0	1	2	Introduction for oral Histology (1Year)	انسجة فم مقدمه في	OH2310	8
3	0	1	2	Material and instrument for Endodontic	مواد وادوات المعالجة لبنيه	EN2311	9
3	0	1	2	Methods for taking dental x-rays	طرق اخذ الاشعه سننيه	DR3313	10
3	0	1	2	Instrument for Oral Surgery	ادوات جراحة فم واسنان	OR2314	11
2	0	0	2	Instrument for Periodontics	ادوات امراض لثة	Pr2312	12
3	0	1	2	Basic for Oral Surgery	أساسيات جراحة فم واسنان	OR3315	13
3	0	1	2	Material for Conservative Dentistry	مواد الطب تحفظي	OP2316	14
3	0	1	2	instrument for Conservative Dentistry	أدوات طب تحفظي	OP2317	15
3	0	1	2	Material for Prosthodontics	مواد الاستعاضه السننيه	P3318	16
4	0	2	2	instrument for Prosthodontics 1	أدوات الاستعاضه السني	P3319	17
3	0	1	2	Material and instrument for Pediatric and Prevention Dentistry	مواد وادوات طب اسنان الاطفال و الطب الوقائي	PPD3320	18
3	0	1	2	Basic for Oral Medicine	أساسيات امراض فم	om2321	19
3	0	1	2	Introduction for oral Histology(1Year)	تشخيص امراض فم	Om2322	20
4	4	0	0	Fielded Training (1)	تدريب ميداني (1)	FT2401	21
4	4	0	0	Fielded Training (2)	تدريب ميداني (2)	FT2402	22
6	6	0	0	Fielded Training (3)	تدريب ميداني (3)	FT3403	23
6	6	0	0	Fielded Training (4)	تدريب ميداني (4)	FT3404	24
0	0	0	0	Dental material	مواد وادوات سننيه	p3318	25
78	20	18	40	الاجمالي			
	48	32	16	حساب الساعات النظرية والعملية والحقلية الترم لعدد 16 اسبوع			
2176	960	576	640	قيم الساعات المعتمده لكل ساعه للترم			
2096	2176			اجمالي عدد ساعات الترم			

التوزيع الزمني للمسابقات الدراسية لمنهاج مساعد طبيب اسنان
416 السنة الأولى الفصل الأول عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات

Weakley hours				Courses titles	اسم المقرر	code	no
C- H	F	P	L				
2	0	0	2	Islamic Culture	ثقافته اسلاميه	OH1101	1
2	0	0	2	Arabic Language	لغة عربية	AL1102	2
2	0	0	2	English Language (2)	لغة انجليزيه (1)	EL1103	3
2	0	1	1	Computer Skill	مهارة حاسوب	CS1105	4
2	0	0	2	Medical Biology	احياء طبيه	Bi1108	5
1	0	0	1	Medical Terminology	مصطلحات طبيه	MT1201	6
2	0	1	1	Dental Anatomy	مقدمه لتشريح الاسنان	A1202	7
2	0	1	1	First aid	الاسعافات الأولية	FA1208	8
2	0	0	2	Introduction for oral Histology 1	مقدمه انسجه الفم	HE2309	9
3	0	1	2	Micro Biology & Parasitology	احياء دقيقه وطفيليات	HNA23077	10
20	0	4	16	الاجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
416		128	288	اجمالي الساعات المعتمدة للمقررات الفصل الاول			

السنة الأولى الفصل الثاني عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات = 416 ساعة

Weakley hours				Courses titles	اسم المقرر	code	no
C- H	F	P	L				
2	0	0	2	English Language (2)	لغة انجليزيه (2)	EL1104	11
2	0	0	2	National Culture	الثقافة الوطنية	Hs1106	12
2	0	0	2	Israel Arabic Fight	الصراع العربي الاسرائيلي	Af1107	13
2	0	1	1	Fundamentals of Infection control	اساسيات التحكم بالعدوى	HS3211	14
2	0	1	1	Physiology	وظائف أعضاء	P1203	15
1	0	0	1	Biochemistry	كيمياء حيوية	BC1204	16
1	0	0	1	Psychology	علم نفس	Ps1205	17
2	0	0	2	Public Health	الصحة العامة	PH1207	18
3	0	1	2	Introduction for oral Histology2	مقدمه انسجه الفم	CS1301	19
3	0	1	2	Dental morphology	تشريح اسنان	DA1303	20
3	0	1	2	Fundamentals of Nursing	اساسيات التمريض	GP1302	21
23	0	5	18	الاجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
416		128	288	اجمالي الساعات المعتمدة للمقررات الفصل الثاني			

السنة الثانية الفصل الأول عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات = 416 ساعة

Weakley hours				Courses titles	اسم المقرر	code	no
C-H	F	P	L				
2	0	0	2	Introduction Pathology	مقدمه لعلم الامراض	Pa2209	22
2	0	1	1	Dental material 1	مواد سنيه	En2311	23
3	0	1	2	Prosthodontics (instrument)	ادوات الاستعاضة	DM1305	24
2	0	0	2	Introduction Pharmacology	علم ادويه (1)	PH2306	25
3	0	1	2	Instrument for Oral Surgery	ادوات جراحة فم واسنان (1)	OR2314	26
2	0	1	1	Instrument for Periodontics	امراض لثة (1)	Pr2312	27
3	0	1	2	Material for Conservative Dentistry 1	طب تحفظي (1)	OP2316	28
4	4	0	0	Fielded Training (1)	تدريب ميداني (1)	FT2401	29
21	4	4	13	اجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
416	192	128	208	اجمالي الساعات المعتمدة للمقررات الفصل الثالث			
عدد الساعات الحقلية = 96 = ثلاثة أسابيع تدريب وزيارات ميدانية لمسافات الصحة العامة والإسعافات الأولية 2							

السنة الثانية الفصل الثاني عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات = 480 ساعة

Weakley hours				Courses titles	اسم المقرر	code	no
C-H	F	P	L				
1	0	0	1	Biostatics	الإحصاء الحيوي	BS3211	30
3	0	1	2	Basic of Oral Surgery	جراحة فم واسنان (2)	OR3315	31
3	0	1	2	Instrument for conservative Dentistry 2	طب تحفظي (2)	OP2317	32
3	0	1	1	Dental material 2	استعاضه سنيه (1)	P2318	33
3	0	1	2	Prosthodontics (Material)	اشعه سنيه	DR3313	34
4	4	0	0	Fielded Training (1)	تدريب ميداني (2)	FT2402	35
17	4	4	9	اجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
464	192	128	144	اجمالي الساعات المعتمدة للمقررات الفصل الرابع			

السنة الثالثة الفصل الأول عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات = 512 ساعة

Weakley hours				Courses titles	اسم المقرر	code	no
C- H	F	P	L				
2	0	1	1	Dental Radiology methods teaching	استعاضه سنويه (2)	P3319	37
2	0	1	1	Oral Medicine	امراض فم	OR2320	38
2	0	1	1	Endodontic (instrument)	معالجة لبنيه	EN2311	39
1	0	0	1	Research Methodology	مناهج بحث	RM3212	40
3	0	1	2	Pediatric and Prevention Dentistry	طب اسنان الاطفال	MT1201	41
6	6	0	0	Fielded Training (3)	تدريب ميداني (3)	FT3403	42
16	6	4	6	الاجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
512	288	128	96	اجمالي الساعات المعتمدة للمقررات الفصل الخامس			
2				عدد الساعات الحقلية = 96 = ثلاثة أسابيع تدريب وزيارات ميدانية لمساقات الصحة العامة والإسعافات الأولية			

السنة الثالثة الفصل الثاني عدد الأسابيع = 16 أسبوع إجمالي عدد الساعات = 496 ساعة

Weakley hours				Courses titles	اسم المقرر	code	no
C- H	F	P	L				
3	0	1	2	Endodontic (materials)	المداواة اللبية (مواد)	Om2322	43
1	0	0	1	Professional ethics	اخلاقيات المهنة	PE3213	44
1	0	0	1	Communication Skill	مهارات الاتصال	CS3214	45
2	2	0	0	Graduation project	مشروع التخرج	Gp3215	46
1	0	0	1	Health administration	اداره صحيه	HA1210	47
6	6	0	0	Fielded Training (4)	تدريب ميداني (4)	FT3404	48
14	8	1	5	الاجمالي الساعات الاسبوعية المعتمدة وعدد الوحدات الترم			
	48	32	16	قيم الساعات المعتمدة للوحدة الواحدة			
496	384	32	80	اجمالي الساعات المعتمدة للمقررات الفصل السادس			

Curriculum Outline

First Year

Level One

Courses Specification

توصيف وخطة

مقرر

مقدمه في الانسجه الفمويه

Introduction of Oral Histology

Template for Course Specification

I. Course Identification and General Information:			
1	Course Title:	Introduction of Oral Histology1&2	
2	Course Code & Number:	IHE1309(9)- IOH2301(19)	
3	Credit Hours:	Credit Hours	Theory Hours
		Lecture	Exercise
		3	2
			1
4	Study Level/ Semester at which this Course is offered:	1st year / 1 st semester & 2 nd semester	
5	Pre –Requisite (if any):	Dental Anatomy,	
6	Co –Requisite (if any):	Nil	
7	Program (s) in which the Course is Offered:	Program Title: Dental Assistant(DDS)	
8	Language of Teaching the Course:	English and Arabic	
9	Study System:	Attendance is compulsory	
10	Mode of Delivery:	Basic Medical Sciences Department	
11	Location of Teaching the Course:	Lecture hall and Histopathology lab	
12	Prepared by:	Dr: Naela Almogahed	
13	Date of Approval:	2021-2022	

II. Course Description:	
<u>Course Description</u>	
<p>The course deals with the study of the microscopic tissues of the mouth and teeth with special emphasis on their development and clinical considerations.</p> <p>The laboratory study will involve working with sample collections for various tissues and irrigating them under a microscope.</p>	
II. Course Objective:	

The objective of the course is:

To qualify students to know the types of oral and dental tissues, knowledge of cell structure and functions of its components, methods of processing samples in the laboratory, how to use an optical microscope for microscopic description, and knowledge of the types of dyes used to dye different oral tissues.

III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	Acquire comprehensive knowledge related to the different stages of tooth development including enamel development, dentin pulp system and gums.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللببية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقاً للاسس العلمية
A2	Identify the role of primary teeth and their importance in the growth of permanent teeth.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللببية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقاً للاسس العلمية
A3	Learn in depth about the structure of dental and oral tissues and related additional oral tissues.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللببية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقاً للاسس العلمية
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
b1	Determine the importance of studying oral and maxillofacial tissues to help the dentist in the clinic or medical centers.	B4	التميز في التطوير والابداع وفقاً لمنهجية علمية صحيحة وحديثة معتمدة.
b2	Recognizing the importance of learning and distinguishing normal tissues in identifying abnormal pathological conditions.	B4	التميز في التطوير والابداع وفقاً لمنهجية علمية صحيحة وحديثة معتمدة.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
c1	The ability to micro- and macroscopic identification of abnormal pathological conditions.	C2	يؤدي بالتعاون مع طبيب الأسنان ، خدمة متميز في مجال امراض الفم و الأسنان.
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
d1	Communication - The student can communicate satisfactorily in a format appropriate to the system and report in a clear and concise manner.	D1	يخلق ظروفاً مواتية لتحسين جودة الخدمات بناءً على الاعتبارات القانونية والأخلاقية ولوائح الصحة والسلامة المهنية.
d2	Teamwork - the student can work effectively with others as a member of a group leading to obligations to others.	D2	يعمل مع فريق متخصص في مجال طب الأسنان ، مما يجعل التحسينات التنظيمية لزيادة الكفاءة.

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	<ol style="list-style-type: none"> 1- Lecture. 2- Demonstration 3- Practicing 4- Group discussion 5- E-learning 	<ul style="list-style-type: none"> - Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 & B2	<ol style="list-style-type: none"> 1. Lecture 2. Demonstration 3. Lab lectures 4. Discussion 5. Training 	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Exams ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 & D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

IV. Course content:

A- Theoretical Aspect:

Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction	<ul style="list-style-type: none"> ✚ A brief introduction to the development of the face, including the following: - Jaws - Lip - Palate & tongue 	1	2	A1&A3
2	Development of teeth	<ul style="list-style-type: none"> ✚ A detailed study of the different stages of the development of the crown, root and supporting tissues of the teeth. 	1	2	A1&A3
3		<ul style="list-style-type: none"> ✚ Revision 		2	
4		<ul style="list-style-type: none"> ✚ Midterm exam 		2	
5	Eruption of deciduous & Permanent teeth	<ul style="list-style-type: none"> ✚ Mechanisms of dental eruption, different eruption theories and histology, gingival junction formation, the role of the granulomatous cord in eruption of permanent teeth. ✚ Clinical or Applied aspects of disorders of eruption. Shedding of teeth: ✚ Factors & mechanisms of shedding of deciduous teeth. ✚ Complications of shedding. 	1	2	A1-A3 and B1&B2
6		<ul style="list-style-type: none"> ✚ Revision2 		2	
7		<ul style="list-style-type: none"> ✚ Final exam 		2	
8	Detailed microscopic study	<ul style="list-style-type: none"> ✚ Enamel, Dentine, Cementum & Pulp tissue ✚ Age changes & Applied aspects 	1	2	A1-A3 and B1&C1
9	Detailed microscopic study	<ul style="list-style-type: none"> ✚ Periodontal ligament & alveolar bone. ✚ Age changes ✚ Histological changes in periodontal ligament & bone in normal . 	1	2	A1-A3 and B1&C1
10		<ul style="list-style-type: none"> ✚ Revision 		2	
11		<ul style="list-style-type: none"> ✚ Midterm exam 		2	

12	Detailed microscopic study	<ul style="list-style-type: none"> ✚ Oral Mucosa ✚ Mechanisms of keratinization ✚ Clinical parts of gingiva ✚ Dentogingival & Mucocutaneous junctions & lingual papillae. 	1	2	A1-A3 and B1&C1
13	Salivary Glands	✚ Detailed microscopic study of acini & ductal system.	1	2	A1-A3
14	Maxillary Sinus	<ul style="list-style-type: none"> ✚ Microscopic study ✚ Functions & clinical relevance of maxillary sinus 	1	2	A1-A3 and B1&B2
15		✚ Revision		2	
16		✚ Final exam		2	

V. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in Histology Lab	All ILOs	16	32

VI. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

VIII. Learning Resources:

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1.	Required Textbook(s) (maximum two)
1. 2.	
2.	Essential References
3.	Electronic materials and web sites etc,
Nil	

IX. Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none">- Students should be in the exam hall before 15 minutes from the beginning of the exam- When the student is late for the exam more than 30 minutes is considered absent- Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: <p>Assignments must be submitted on the due date handed personally to your module lecturer. Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer.</p> Late Assignments / Extensions <ul style="list-style-type: none">- Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.

	<ul style="list-style-type: none"> - Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date. - In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	<p>Cheating:</p> <ul style="list-style-type: none"> - Cheating is bad behavior and faces it strictly - University regulations will be pursued and enforced on any cheating students
6	<p>Plagiarism:</p> <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else’s idea or work and trying to present it as your own. It is taking and using someone else’s work without proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none"> • Another person’s idea, opinion, or theory • Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge • Quotations of another person’s actual spoken or written words • Paraphrase of another person’s spoken or written words - Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none"> - The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source. - If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

توصيف وخطة

مقرر

تشرح الأسنان وهئيتها التشريحية

Dental Anatomy and Dental morphology

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Dental Anatomy and Dental morphology 1&2			
2	Course code and Number	IA1202(7)- DAM2304(20)			
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		2		1	-
4	Study level/semester at which this course is offered:	1st year / 1 st semester & 2 nd semester			
5	Pre- requisite	English terminology			
6	Co- requisite	Nil			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English and Arabic			
9	Study System	Attendance is compulsory			
10	Mode of Delivery:	Basic Medical Sciences Department			
11	Location of Teaching the Course:	Lecture hall and Anatomy lab			
12	Prepared by:	Dr: Naela Almogahed			
13	Date of Approval	2021-2022			

11. Course Description:

This course is designed to provide the Dental Assistant students which provide all basic information about descriptive anatomy of teeth beginning by introduction of anatomical division of oral cavity and teeth, types of teeth, all dental terms used in tooth morphology, as well as provide the students the most international teeth numbering systems either deciduous or permanent, as well as how acquire hand skill and imagination power to carve and draw teeth through practical session exactly.

III. Program objectives:

Understanding Dental Assistant student the descriptive anatomy of exact shape of teeth, with how to make a comparison between different teeth regarding the difference in shape or functions, as well as how acquire hand skill and imagination power to carve and draw teeth through practical session exactly.

IV. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
B. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	Student will have understanding of the b of permanent and deciduous teeth.	A1 & A2	فهم ومعرفة البنية التشريحية والوظيفية للمركب الفكي السني وعلاقته بالقحف فهم ومعرفة مراحل نمو وبزوغ الأسنان اللبنية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقا للاس العلمية
A2	The student will Understand and apply the time standards for the growth and eruption of primary and permanent teeth.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللبنية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقا للاس العلمية
A3	The student will realize the importance of having two sets of teeth and relate form to function in dental anatomy.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللبنية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقا للاس العلمية
A4	The student will know the sequence of eruption in each arc of each of the teeth and their need in pediatric dentistry.	A2	فهم ومعرفة مراحل نمو وبزوغ الأسنان اللبنية والدائمة ومعرفة الشواذ منها وطرق متابعتها وفقا للاس العلمية
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
b1	Students will be able to identify morphology and different deciduous and permanent teeth.	B4	التميز في التطوير والابداع وفقا لمنهجية علمية صحيحة وحديثة معتمدة.
b2	Students will be able to identify the normal variation in dental anatomy.	B1 & B4	تحليل المشاكل بشكل منهجي وتقديم تقرير مبدائي للاخصائي. التميز في التطوير والابداع وفقا لمنهجية علمية صحيحة وحديثة معتمدة.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
c1	Students will be able to acquire manual skills of tooth carving	C2 & C5	يرسم ، الأشكال ، صور الأشكال التشريحية للأسنان ، عناصر طقم الأسنان. يصف أنواع الأسنان المفقودة ، واختيار الأجزاء الاصطناعية المناسبة وكيفية تنفيذها. كما يصف الحالات الأخرى التي تستدعي اخصائي دقيق للمشكلة
C2	Students will be able to estimate dental age by applying the knowledge they have acquired from dental chronology	C2	يرسم ، الأشكال ، صور الأشكال التشريحية للأسنان ، عناصر طقم الأسنان.
C3	Students will be able to Practice on using different dental notation systems for both dentitions and to understand the concept of dental formula	C7 & C8	يستخدم مجموعة متنوعة من التقنيات ومصادر المعلومات ، بما في ذلك الإنترنت يوضح قدرتها اللغوية في مجالات العلوم الطبية ذات الصلة بساعدين أطباء الأسنان العموم او الاستشاريين ،

			كما هو مطلوب للمستوى B2 من الإطار الأوروبي المرجعي للغات.
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
D1	Communication – The student can communicate effectively in a format appropriate to the discipline and report in a clear and concise manner.	D1	يخلق ظروفًا مواتية لتحسين جودة الخدمات بناءً على الاعتبارات القانونية والأخلاقية ولوائح الصحة والسلامة المهنية.
D2	Team work – The student can effectively work with others as a member of a group and meet obligations to others	D2	يعمل مع فريق متخصص في مجال طب الأسنان ، مما يجعل التحسينات التنظيمية لزيادة الكفاءة.

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A4	6- Lecture. 7- Demonstration 8- Practicing 9- Group discussion 10- E-learning	<ul style="list-style-type: none"> - Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 & B2	6. Lecture 7. Demonstration 8. Practicing 9. Discussion 10. Demonstration 11. Drill and practice 12. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1-C3	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes		
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

V. Course content:

A- Theoretical Aspect:

Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction	<ul style="list-style-type: none"> • Dental arch divisions • Classification of dentition • Classification of the occlusion 	1	2	A1&A2
2	Numbering Systems	<ol style="list-style-type: none"> 1. Universal Numbering system 2. Palmer notation system. 	1	2	B1&C3
3	Dental Anatomical Landmarks	Cusp, Tubercle, Cingulum, Ridge, Fossa, Developmental groove, Pit	1	2	A1,A3,B1 &B2
4		🚩 Revision		2	
5		🚩 Midterm exam		2	
6	Permanent Maxillary Central Incisor	Characteristic features of incisor's crown Permanent Maxillary Central Incisor Principal identifying features	1	2	A3,A4,B1, B2,C2&C3
7	Permanent Maxillary Lateral Incisor (Anomalies)	Principal identifying features(Labial Aspect, Mesial Aspect, Distal Aspect, Lingual Aspect, Incisal Aspect). Variations from the typical form	1	2	A3,A4,B1, B2,C2&C3
8	Permanent Mandibular Incisors	Characteristic features of Permanent mandibular Incisors Permanent Mandibular Central Incisor Principal identifying features Permanent Mandibular Lateral Incisor	1	2	A3,A4,B1, B2,C2&C3

		Principal identifying features Some differences between maxillary and mandibular central incisors Main differences between maxillary central and lateral incisors			
9		✚ Revision		2	
10		✚ Final exam		2	
11	Permanent Canines	General Characteristic Features of the Canines The Permanent Maxillary Canine Principal Identifying Features The Permanent Mandibular Canine Principal Identifying Feature	1	2	A3,A4,B1, B2,C2&C3
12	Permanent Maxillary Premolars	Some characteristic features to all posterior teeth Maxillary First Premolar Principal identifying features: Maxillary Second Premolar Principal identifying features	1	2	A3,A4,B1, B2,C2&C3
13	Permanent Mandibular Premolars	Mandibular First Premolar Characteristics that resemble those of the mandibular canine. Characteristics that resemble those of the mandibular second premolar. Principal Identifying Features	1	2	A3,A4,B1, B2,C2&C3
14	Permanent Mandibular Second	Premolar Principal Identifying Features	1	2	A3,A4,B1, B2,C2&C3
15	Permanent Maxillary Molars	Maxillary First Molar Principal Identifying Features Maxillary second Molar	1	2	A3,A4,B1, B2,C2&C3
16		✚ Revision		2	
17		✚ Midterm exam		2	
18	Permanent Mandibular Molars	Mandibular First Molar Principal Identifying Features	1	2	A3,A4,B1, B2,C2&C3
19	Permanent Mandibular Second Molar	Principal Identifying Features Mandibular Third Molar Principal Identifying Features	1	2	A3,A4,B1, B2,C2&C3
20	Tooth Development	Sequential Order of Deciduous Teeth According to their Eruption Times Deciduous Teeth The Importance of Deciduous Teeth Maxillary Deciduous Teeth	1	2	A3,A4,B1, B2,C2&C3

		Mandibular Deciduous Teeth Principal Differences between Deciduous and Permanent Teeth			
21	Pulp Cavities	Pulp Cavities of the Maxillary Teeth Pulp Cavities of the Mandibular Teeth	1	2	A3,A4,B1, B2,C2&C3
22		✚ Revision			
23		✚ Midterm exam			

VI. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Number of weeks	Contact hours	Learning outcomes
1	Introduction to Dental Anatomy & Carving Instruments	1	2	B1,B2,D1&D2
2	Numbering systems.	1	2	B1,B2,D1&D2
3	Practical demonstration of Carving a Cube	1	2	B1,B2,D1&D2
4	Introduction to Anatomical landmarks on Teeth models. Carving of a cube	1	2	B1,B2,D1&D2
5	Description & Carving of the Labial Aspect of P. Max. Right Central Incisor.	1	2	B1,B2,D1&D2
6	Description & Carving of the Mesial aspect of P. Max. Right Central Incisor.	1	2	B1,B2,D1&D2
7	Description ,Carving & Finishing of the Incisal Aspect of Permanent Max. Right Central Incisor.	1	2	B1,B2,D1&D2
8	Practical Training of Carving of P. Max. Right Central Incisor	1	2	B1,B2,D1&D2
9	Revision	1	2	B1,B2,D1&D2
10	Practical Exam. Of Carving of P. Max. Right Central Incisor	1	2	B1,B2,D1&D2
11	Description & Carving of the Labial & Mesial Aspects of P. Max. Right Canine	1	2	B1,B2,D1&D2
12	Description ,Carving & Finishing of the Incisal	1	2	B1,B2,D1&D2
13	Aspect of P. Max. Right Canine.	1	2	B1,B2,D1&D2
14	Practical Training of Carving of P. Max. Right Canine.	1	2	B1,B2,D1&D2

15	Practical Exam. of Carving of P. Max. Right Canine.	1	2	B1,B2,D1&D2
16	Revision	1	2	B1,B2,D1&D2
17	Mid Year Practical Examination of Tooth Carving	1	2	B1,B2,D1&D2
18	Description &Carving of the Buccal & Mesial Aspects of P.Max. Right 1st Premolar.	1	2	B1,B2,D1&D2
19	Description, Carving & Finishing of the Occlusal Aspect of P.Max. Right 1st Premolar.	1	2	B1,B2,D1&D2
20	Practical Training of Carving of P. Max. Right 1st Premolar	1	2	B1,B2,D1&D2
21	Practical Exam. Of Carving of P. Max. Right 1stPremolar	1	2	B1,B2,D1&D2
22	Description &Carving of the Buccal & Mesial Aspects of P.Mand. Right 1stPremolar	1	2	B1,B2,D1&D2
23	Description, Carving & Finishing of the Occlusal Aspect of P.Mand. Right 1stPremolar.	1	2	B1,B2,D1&D2
24	Practical Training of Carving of P. Mand. Right 1st Premolar	1	2	B1,B2,D1&D2
25	Practical Exam. Of Carving of P. Mand. Right 1st Premolar	1	2	B1,B2,D1&D2
26	Description &Carving of the Buccal & Mesial Aspects of P. Max. Right 1st Molar.	1	2	B1,B2,D1&D2
27	Description, Carving & Finishing of the Occlusal Aspect of P. Max. Right 1st Molar.	1	2	B1,B2,D1&D2
28	Practical Training of Carving of P. Max. Right 1st molar.	1	2	B1,B2,D1&D2
29	Practical Exam. of Carving of P. Max. Right 1st molar.	1	2	B1,B2,D1&D2
30	Description &Carving of the Buccal & Mesial Aspects of P. Mand. Right 1st Molar	1	2	B1,B2,D1&D2
31	Description ,Carving & Finishing of the Occlusal aspect of P.Mand 1st Molar/Practical Training of Carving p. Mand. 1st molar	1	2	B1,B2,D1&D2
32	Practical Examination of Carving of P. Mand. Right 1st molar	1	2	B1,B2,D1&D2
32	Final Oral & Practical Examination of Tooth carving	1	2	B1,B2,D1&D2

VII. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VIII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

IX. Learning Resources:

	•
1.	Required Textbook(s) (maximum two)
3.	
4.	
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

X. Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none">- Students should be in the exam hall before 15 minutes from the beginning of the exam- When the student is late for the exam more than 30 minutes is considered absent- Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: <p>Assignments must be submitted on the due date handed personally to your module lecturer.</p> <p>Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer.</p> <p>Late Assignments / Extensions</p> <ul style="list-style-type: none">- Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.- Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date.- In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	Cheating: <ul style="list-style-type: none">- Cheating is bad behavior and faces it strictly- University regulations will be pursued and enforced on any cheating students
6	Plagiarism: <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else's idea or work and trying to present it as your own. It is taking and using someone else's work without proper attribution.</p>

	<p>Intellectual Property involves:</p> <ul style="list-style-type: none">• Another person’s idea, opinion, or theory• Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge• Quotations of another person’s actual spoken or written words• Paraphrase of another person’s spoken or written words<ul style="list-style-type: none">- Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none">- The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source.- If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

Curriculum Outline

Second Year

Level Two

Courses Specification

توصيف وخطة

مقرر

مواد سنیه

Dental Materials

Template for Course Specification

I. Course Identification and General Information:				
1	Course Title:	Dental Materials 1&2		
2	Course Code & Number:			
3	Credit Hours:	Credit Hours	Hours Theory	.Lab Hours
			Lecture Exercise	
		2	1	1
4	Study Level/ Semester at which this Course is offered:	2nd year / 1st and 2nd semesters		
5	Pre –Requisite (if any):	Nil		
6	Co –Requisite (if any):	Nil		
7	Program (s) in which the Course is Offered:	Program Title: Dental Assistant(DDS)		
8	Language of Teaching the Course:	English and Arabic		
9	Study System:	Attendance is compulsory		
10	Mode of Delivery:	Basic Medical Sciences Department		
11	Location of Teaching the Course:	Lecture hall and Prosthetic lab		
12	Prepared by:	Dr: Naela Almogahed		
13	Date of Approval:	2021-2022		

II. Course Description:	
<p>This course deals with the physical and chemical properties of metallic and non-metallic materials used in dentistry, including the manipulations and uses of different dental materials, and the various variables that affect the properties of dental materials. This course is also concerned with studying the advantages and disadvantages of dental materials, their composition and uses to give the dental assistant the correct knowledge before training in the field of dentistry.</p>	

III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
C. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	Knowledge of the main ingredients and chemical composition of various dental materials.	A2	
A2	Knowledge of the main properties of dental materials.	A2	
A3	Identify and become familiar with the main factors in the oral environment that affect dental materials and their selection and how mechanical, chemical and biological properties affect material selection.		
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
B1	Know the importance of studying dental materials science.	B4	التميز في التطوير والابداع وفقاً لمنهجية علمية صحيحة وحديثة معتمدة.
B2	Become familiar with the hazards and appropriate precaution procedures related to certain dental materials.		
B3	Knowing the impact of environmental factors affecting dental materials..	B4	التميز في التطوير والابداع وفقاً لمنهجية علمية صحيحة وحديثة معتمدة.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
C1	Knowledge of how to select, store and how to correctly manipulate dental materials.	C2	يؤدي بالتعاون مع طبيب الأسنان ، خدمة متميز في مجال امراض الفم و الأسنان.
C2	Demonstrate skills in handling of dental biomaterial waste.		
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
D1	Teamwork - the student can work effectively with others as a member of a group leading to obligations to others..	D1	يخلق ظروفاً مواتية لتحسين جودة الخدمات بناءً على الاعتبارات القانونية والأخلاقية ولوائح الصحة والسلامة المهنية.
D2	Students will be able to work effectively in a group in lab, and will be able to use the sources of dental materials information to remain oriented with advances in knowledge and practice,	D2	يعمل مع فريق متخصص في مجال طب الأسنان ، مما يجعل التحسينات التنظيمية لزيادة الكفاءة.

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	11- Lecture. 12- Demonstration 13- Practicing 14- Group discussion 15- E-learning	- Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 – B3	13. Lecture 14. Demonstration 15. Lab lectures 16. Discussion 17. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1-C3	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Exams ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

IV. Course content:					
B- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction of dental materials	Definition and introduction	1	2	A1&A3
2	Materials selection	Metal or non-metal	1	2	A1&A3
3	Materials Properties	Chemical and physical properties	2	2	
4	Type of Gypsum	Type of Gypsum: - Impression plaster. - Dental plaster. - Dental stone. - Improved stone. - High expansion improved stone.	3	2	A1-A3 and B1&B2
5	Elastic impression	Definition Types of elastic impression	1	2	
6		Revision			
7		Midterm exam			
6	Non elastic impression	Definition Types of non -elastic impression Deferent between elastic and non-elastic impression	3	2	
10	Polymer based materials	Definition Classified Advance polymer	2	2	
11	Metal based materials	What is metal based material? Types		2	
12	Dental cements	Definition Uses Type used in dentistry	2	2	A1-A3 and B1&C1
15		Revision		2	
16		Final exam		2	

V. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	Identifying the various types of dental waxes and their uses	All ILOs	1	2
2	Application of packing and curing of acrylic resin during construction of dentures(group work).		2	4
3	Identifying the various types of gypsum products and their uses		2	4
4	Mixing different types of gypsum products		1	2
5	Identifying the various types of impression materials		2	4
6	Mixing impression material		1	2
7	Identifying the various types of dental waxes and their uses		1	2
8	Knowing the materials used for denture construction		1	2
9	Demonstration of acrylic dentures fabrication		1	2
10	knowing Waxing and casting		2	4
11	Knowing restorative materials and cements		2	4
Number of Weeks /and Units Per Semester				

VI. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

VIII. Learning Resources:

	•
1.	Required Textbook(s) (maximum two)
	5. 6.
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

IX. Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none">- Students should be in the exam hall before 15 minutes from the beginning of the exam- When the student is late for the exam more than 30 minutes is considered absent- Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: <p>Assignments must be submitted on the due date handed personally to your module lecturer. Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer.</p> <p>Late Assignments / Extensions</p> <ul style="list-style-type: none">- Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.- Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date.- In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	Cheating: <ul style="list-style-type: none">- Cheating is bad behavior and faces it strictly- University regulations will be pursued and enforced on any cheating students
6	Plagiarism: <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else's idea or work and trying to present it as your own. It is taking and using someone else's work without</p>

	<p>proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none"> • Another person’s idea, opinion, or theory • Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge • Quotations of another person’s actual spoken or written words • Paraphrase of another person’s spoken or written words <ul style="list-style-type: none"> - Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none"> - The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source. - If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

توصيف وخطة

مقرر

أدوات ومواد

التعويضات السنية

(Instrument and materials for
Prosthodontics)

Template for Course Specification

1. Course Identification And General Information						
1	Course Title:	Instrument and materials for Prosthodontics 1&2				
2	Course code and Number					
3	Credit hours:	Contact Hours			Total credit hours	
		Th.	seminar	Pr.		Tr.
		2		1	-	3
4	Study level/semester at which this course is offered:	2 nd year /1 st & 2 nd semesters				
5	Pre- requisite	English terminology, Dental Anatomy and Dental Materials				
6	Co- requisite	Nil				
7	Programs in which the course is offered:	Dental Assistant(DDS)				
8	Language of teaching the course:	English and Arabic				
9	Study System	Attendance is compulsory				
10	Mode of Delivery:	Basic Medical Sciences Department				
11	Location of Teaching the Course:	Lecture hall and Prosthetic lab				
12	Prepared by:	Dr: Naela Almogahed				
13	Date of Approval	2021-2022				

11. Course Description:

This course deals with knowledge of the materials and tools used in modification of full and partial dentures.

III. Program objectives:

understanding The dental assistant student of the materials and tools for prosthodontics while preparing the patient for the partial or complete device and also modifying it by the specialized dentist

IV. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
D. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	Knowledge of terminologies used in Prosthodontics.	A1 & A2	
A2	Knowledge, understanding and identification of tools and materials used in prosthodontics	A2	
A3	Identify the features of an optimal occlusion and differentiate between the different concepts of occlusion.	A2	
B. Intellectual Skills: Upon successful completion of the course, students will be able to:			
B1	Be able to identify and distinguish the different materials, tools and devices used in the construction of removable partial and complete dentures and their uses.	B4	التمييز في التطوير والابداع وفقا لمنهجية علمية صحيحة وحديثة معتمدة.
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:			
C1	Students will be able to demonstrate the abilities and skills needed to perform clinical simulation procedures related to the construction of complete dentures and to be able to identify missing teeth in partial dentures.	C2&C5	
C2	The student will be able to draw the elements of dentures.	C2	
D. Transferable Skills: Upon successful completion of the course, students will be able to:			
D1	Communication – The student can communicate effectively in a format appropriate to the discipline and report in a clear and concise manner.	D1	يخلق ظروفًا مواتية لتحسين جودة الخدمات بناءً على الاعتبارات القانونية والأخلاقية ولوائح الصحة والسلامة المهنية.
D2	Students will be able to work effectively in a group in the laboratory, and will be able to use information sources for prosthetic materials and tools to stay current with advances in knowledge and practice.	D2	يعمل مع فريق متخصص في مجال طب الأسنان ، مما يجعل التحسينات التنظيمية لزيادة الكفاءة.

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	16- Lecture. 17- Demonstration 18- Practicing 19- Group discussion 20- E-learning	- Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1	18. Lecture 19. Demonstration 20. Practicing 21. Discussion 22. Demonstration 23. Drill and practice 24. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1&C2	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

V. Course content:					
B- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction	Dental arch divisions Classification of the occlusion	3	2	A1&A2
2	Instrument use in clinic for prosthodontics	Introduction Types and classification Uses	3	2	B1&C3
3	Materials use in clinic for prosthodontics	Introduction Types and classification Uses	3	2	A1,A3,B1 &B2
4	Materials use in lab for prosthodontics	Introduction Types and classification Uses	3	2	
5	Applied Anatomy and Physiology (Complete Dentures)	The components of a complete denture and partial denture Steps in denture fabrication and materials used	3	2	
6	Materials and tools used to repair full and partial dentures in the clinic	Repair Instrument Repair Material	2	2	A3,A4,B1, B2,C2&C3
7	Communicating with the patient	Optimal methods and methods for communicating with patients	2	2	A3,A4,B1, B2,C2&C3
8	Impressions – detail	Best material for impression How to prepare it Choose the right tires	2	2	A3,A4,B1, B2,C2&C3
9	Recording maxilla mandibular relation		2	2	
10	Tooth selection	Complete denture Partial denture	2	2	
11	Trial dentures	Introduction	1	2	A3,A4,B1, B2,C2&C3
22		🚩 Revision			
23		🚩 Midterm exam			

VI. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	All Lab lectures related the theory lectures	All ILOs	16	32

VII. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VIII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

IX. Learning Resources:

	•
1.	Required Textbook(s) (maximum two)
	7. 8.
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

X. . Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
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- **Another person's idea, opinion, or theory**
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- **Paraphrase of another person's spoken or written words**
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7

Other policies:

Using Internet Sources

- **The World Wide Web has become a popular source of information for students' papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source.**
- **If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source**

توصيف وخطة

مقرر

أدوات ومواد جراحه الفم والأسنان

Instrument and Material for Oral and Dental Surgery

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Instrument, material for Oral Surgery and basic oral surgery			
2	Course code and Number				
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		2		1	-
4	Study level/semester at which this course is offered:	2 nd year / 1 st semester & 2 nd semester			
5	Pre- requisite	English terminology, Dental Anatomy			
6	Co- requisite	Pharmacology			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English and Arabic			
9	Study System	Attendance is compulsory			
10	Mode of Delivery:	Basic Medical Sciences Department			
11	Location of Teaching the Course:	Lecture hall and Anatomy lab			
12	Prepared by:	Dr: Naela Almogahed			
13	Date of Approval	2021-2022			

11. Course Description:

This course deals with the techniques of taking medical and dental history to arrive at the correct diagnosis. In addition to knowing and distinguishing the tools required for each surgical procedure, this course also includes knowledge of anesthesia materials and their complications, and infection control procedures.

III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
E. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	Understand the dental materials and instruments used in oral and maxillofacial surgery.	A1 & A2	
A2	Understand the fundamental principles of anesthetic agents.	A2	
B1	Be able to recognize methods and techniques employed to institute infection control measures, sterilization, asepsis and disinfection..	B4	
B2	Be able to assess patients for and inform patients or their guardians of the indications, contraindications, limitations, risks and benefits of conscious sedation and general anesthesia.	B1&B4	
C1	Acquire of dental assistant skills and training in the various clinical oral surgery and emergency procedures.	C2&C5	
C2	Be able to administer first aid treatment to patients suffering from trauma.	C2	
D1	Be able to communicate effectively in a format appropriate to the discipline and report in a clear and concise manner	D1	
D2	(D2) Be able to work effectively in a group in lab, and will be able to use the sources of dental materials information to remain oriented with advances in knowledge and practice	D2	

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 & A2	21- Lecture. 22- Demonstration 23- Practicing 24- Group discussion 25- E-learning	- Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1& B2	25. Lecture 26. Demonstration 27. Practicing 28. Discussion 29. Demonstration 30. Drill and practice 31. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1&C2	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies





Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

IV. Course content:

C- Theoretical Aspect:

Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Examination instruments	<ul style="list-style-type: none"> - Dental mirror - Prop - Tweezers 	1	2	A1&A2
2	Dental anesthesia and dental syringe		1	2	B1&C3
3	Surgical hand pieces		1	2	A1,A3,B1 &B2

4	Burs: - Bone Burs - Scalpel (Handle and Blade)	✚ Revision		2	
5	Periosteal Elevator	✚ Midterm exam		2	
6	Hemostats		1	2	A3,A4,B1, B2,C2&C3
7	Bone File		1	2	A3,A4,B1, B2,C2&C3
8	Chisel and Mallet		1	2	A3,A4,B1, B2,C2&C3
9	Needle Holders	✚ Revision		2	
10	Scissors	✚ Final exam		2	
11	Towel Clamps		1	2	A3,A4,B1, B2,C2&C3
12	Retractors		1	2	A3,A4,B1, B2,C2&C3
13	Bite Blocks and Mouth Props		1	2	A3,A4,B1, B2,C2&C3
14	Surgical Suction		1	2	A3,A4,B1, B2,C2&C3
15	Irrigation Instruments		1	2	A3,A4,B1, B2,C2&C3
16	Electrosurgical Unit	✚ Revision		2	
17	Binocular Loupes with Light Source	✚ Midterm exam		2	
18	Extraction Forceps: type		1	2	A3,A4,B1, B2,C2&C3
19	Elevators: Type Other Types of Elevators		1	2	A3,A4,B1, B2,C2&C3
20	Special Instrument for Removal of Roots: Type		1	2	A3,A4,B1, B2,C2&C3
21	Sets of Necessary Instruments: a. Set for simple tooth extraction. b. Set for surgical tooth extraction. c. Set of instruments for surgical biopsy (bone and soft tissue) d. Set of instruments for incision and drainage of abscess		1	2	A3,A4,B1, B2,C2&C3
22	Sutures: Resorbable Sutures. Nonresorbable Sutures.	✚ Revision			

23	Needles: Needles with Round or Oval Cross-Sectional View Triangular Needles	 Midterm exam			
	Local Hemostatic Drugs				
	Materials for Covering or Filling a Surgical Wound: Petrolatum Gauze. Iodoform Gauze. Surgical Dressing.				
	Materials for Tissue Regeneration: Membranes. Bone Grafts.				

V. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	All Lab lectures related the theory lectures	All ILOs	16	32

VI. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

VIII. Learning Resources:	
	•
1.	Required Textbook(s) (maximum two)
	9. 10.
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

X. Course Policies:	
No	
1	Class Attendance: <ul style="list-style-type: none"> - Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none"> - Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none"> - Students should be in the exam hall before 15 minutes from the beginning of the exam - When the student is late for the exam more than 30 minutes is considered absent - Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: Assignments must be submitted on the due date handed personally to your module lecturer. Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer. Late Assignments / Extensions <ul style="list-style-type: none"> - Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.

	<ul style="list-style-type: none"> - Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date. - In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	<p>Cheating:</p> <ul style="list-style-type: none"> - Cheating is bad behavior and faces it strictly - University regulations will be pursued and enforced on any cheating students
6	<p>Plagiarism:</p> <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else's idea or work and trying to present it as your own. It is taking and using someone else's work without proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none"> • Another person's idea, opinion, or theory • Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge • Quotations of another person's actual spoken or written words • Paraphrase of another person's spoken or written words - Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none"> - The World Wide Web has become a popular source of information for students' papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source. - If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

توصيف وخطة

مقرر

أدوات ومواد طب الأسنان التحفظي

Instrument and material for conservative Dentistry

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Instrument and Material for Conservative Dentistry			
2	Course code and Number				
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		2		1	-
4	Study level/semester at which this course is offered:	Level 2/ 1 st and 2 nd Semesters			
5	Pre- requisite	Dental material			
6	Co- requisite	Nil			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English			
9	Location of teaching the course:				
10	Study System	Attendance			
11	Course lecturers				
12	Prepared by:	DR: Naela Al-Mogahed			
13	Date of Approval	2020-2021			

11. Course Description:

This course deals with the steps of preparing hand and rotary instruments used in surgical dentistry, and assisting the dental specialist by preparing restorative materials. This course also deals with adequate knowledge of principles, techniques, tools and materials used during conservative treatment

III. Program objectives:

Student ability to: Understand the sequence of clinical actions needed to diagnose and develop treatment plans for operative dentistry cases.

<i>Intended learning outcomes of the course: (ILOs)</i>	
<i>Intended learning outcomes of knowledge and understanding: at the end of this program graduates must be able to:</i>	
A1	<ul style="list-style-type: none"> ▪ Understanding the basic principles and techniques of operative procedures and applications.
A2	<ul style="list-style-type: none"> ▪ Show clear understanding and knowledge of dental materials and tools used in fillings.
A3	<ul style="list-style-type: none"> ▪ Understanding the importance of rays in the diagnosis.
<i>Intended learning outcomes of intellectual skills: at the end of this program graduates must be able to:</i>	
B1	<ul style="list-style-type: none"> ▪ Ability to identify and equip different tools for the competent dental doctor before and during work..
B2	<ul style="list-style-type: none"> ▪ Understand the standards used for materials and ability to mix them and submit them during the work of the competent dentist.
B3	<ul style="list-style-type: none"> ▪ Ability to think critically and analytically.
<i>Intended learning outcomes of professional and practical skills: at the end of this program graduates will be able to:</i>	
C1	<ul style="list-style-type: none"> ▪ Ability to select a basic set of fillings tools.
C2	<ul style="list-style-type: none"> ▪ Ability to identify the basic set of fillings.
<i>Intended learning outcomes of general and transferable skills : at the end of this program graduates will be able to:</i>	
D1	<ul style="list-style-type: none"> ▪ Communication – The student can communicate effectively in a format appropriate to the discipline and report in a clear and concise manner.
D2	<ul style="list-style-type: none"> ▪ Team work – The student can effectively work with others as a member of a group and meet obligations to others

<i>"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:</i>		
Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	<ol style="list-style-type: none"> 1- Lecture. 2- Demonstration 3- Practicing 4- Group discussion 5- E-learning 	<ul style="list-style-type: none"> - Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignment

"B":Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 – B3	<ol style="list-style-type: none"> 1- Lecture 2- Demonstration 3- Practicing 4- Discussion 5- Demonstration 6- Drill and practice 7- Training 	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1&C2	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D":alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes		
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

III. Course content:

C- Theoretical Aspect:

Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction to the course				
2	Instruments used in operative dentistry can be classified into :	<ol style="list-style-type: none"> 1. Diagnosis Instruments. 2. Isolation Instruments. 3. Restorative Instruments (cutting and non cutting). 4. Miscellaneous . 			
3	<p>A - Diagnostic Kit : (examination tools)</p> <p>Explorer : (sharp end) Probes are similar to the explorers but blunt tip and they are graduated .</p> <p>Tweezers : (cotton plier) “ Tong-like instrument</p>	<p>1- Dental mirror</p> <ul style="list-style-type: none"> - Uses - Type - - Uses - Type - - Uses - Type - - Uses - Type - 			
4	<p>Isolation of operating field instruments.</p> <p>Manuals: (cotton rolls or pellets and rubber dam)</p> <p>Mechanical:(low and high suction)</p>	<p>A- Direct isolation: by using the absorbents.</p> <p>Gauze- Cotton rolls and pellets- Gingival retraction cord - Dri-angle for the parotid area- Mouth opener (cheeks and lips retractor) and Rubber dam.</p> <p>*Aspiration with suction devices :</p> <p>B- Indirect isolation:</p> <ol style="list-style-type: none"> a- Local anaesthetics. b- Restorative Instruments 			
5	<p>Cutting instruments : (for cavity preparation)</p> <p>Non – cutting instruments: Gropes , types and uses.</p>	<ol style="list-style-type: none"> 1- Hand cutting instruments 2- Rotary cutting instruments <ul style="list-style-type: none"> - Filling instruments. - Finishing and polishing instruments .ugs (anti – sialagogues like atropine) . 			
6	<p>Rotary cutting instruments:</p> <ol style="list-style-type: none"> A- Abrasive B- Bladed <p>- Color coding of dental burs according to particles size: Classification of dental burs according to shape:</p> <ol style="list-style-type: none"> 1. Round b. 2. Inverted cone bur 3. fissure bur 	<ul style="list-style-type: none"> - Uses - Type <p>White, Yellow, Red, Blue. Green &Black.</p> <ul style="list-style-type: none"> - Uses - Uses - Uses 			
7	Non – cutting instruments	<ol style="list-style-type: none"> a. Filling instruments. b. Finishing and polishing instruments. 			
8	A- Filling instruments.(For	- Amalgam dish			

	amalgam restoration). B- Finishing and polishing instruments.	<ul style="list-style-type: none"> - Amalgam carrier - Condenser (plugger) - - Burnishers (ball , oval and t-shaped). - carvers (wiland carver , discoid and cleoid) 			
9	Composite restoration: --Finishing and polishing instruments	<ul style="list-style-type: none"> - Size and shape 			
10	Rotary finishing instruments:	<ul style="list-style-type: none"> - Finishing stones as carborundum green. (coarse , medium , fine) - Inter-proximal finishing instruments. <ul style="list-style-type: none"> ▪ Finishing strips (coarse , medium, fine) ▪ Abrasive discs 			
11	Polishing instruments for amalgam restoration	<ul style="list-style-type: none"> - Rubber cups (coarse , medium , fine) : used with finishing paste at low speed. - Rotary soft burs :applied with polishing paste . 			
12	Finishing and polishing instruments for composite restoration: 1- Rubber 2- Brushes Polishing instruments for composite restoration	<ul style="list-style-type: none"> a. Cups. b. Points. c. Discs. - a. Regular cup b. discs. c. point. - Rubber cups for anterior surface. - Rubber points for posterior. - polishing disc and strips: 			
13	Miscellaneous instruments	<ul style="list-style-type: none"> - Cement and base instruments - Matrix bands <ul style="list-style-type: none"> a.Type - Matrix band retainer a. Type - Wedges - Dycal (liner) applicator 			
14	Dental hand pieces	<ul style="list-style-type: none"> - Classified. a. Design or angulation b. Driving mechanisms c. Rational speed 			
15	Dental materials include:	<ul style="list-style-type: none"> - resin composites. - cements. - Glass ionomers. - Ceramics. - Noble and base metal. - Amalgam alloys and Casting Alloys 			
16	other materials used in restorative procedures: -	<ul style="list-style-type: none"> - Gypsum materials. - Casting investments. - Impression materials. - denture base resins 			

VI. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in phantom lab	All ILOs	24	72

VII. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VIII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

IX. Learning Resources:

	•
1.	Required Textbook(s) (maximum two)
	11. 12.
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

X. Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none">- Students should be in the exam hall before 15 minutes from the beginning of the exam- When the student is late for the exam more than 30 minutes is considered absent- Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: <p>Assignments must be submitted on the due date handed personally to your module lecturer.</p> <p>Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer.</p> <p>Late Assignments / Extensions</p> <ul style="list-style-type: none">- Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.- Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date.- In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	Cheating: <ul style="list-style-type: none">- Cheating is bad behavior and faces it strictly- University regulations will be pursued and enforced on any cheating students
6	Plagiarism: <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else's idea or work and trying to present it as your own. It is taking and using someone else's work without proper attribution.</p>

	<p>Intellectual Property involves:</p> <ul style="list-style-type: none">• Another person’s idea, opinion, or theory• Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge• Quotations of another person’s actual spoken or written words• Paraphrase of another person’s spoken or written words<ul style="list-style-type: none">- Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is a serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none">- The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source.- If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

توصيف وخطة

مقرر

مواد أدوات امراض اللثة

Instrument and Material for Periodontics

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Instrument and Material for Periodontics			
2	Course code and Number				
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		1		1	-
4	Study level/semester at which this course is offered:	Level 2/ Semester 1			
5	Pre- requisite	Dental Anatomy and Dental Material.			
6	Co- requisite	Nil			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English and Arabic			
9	Location of teaching the course:				
10	Study System	Attendance			
11	Course lecturers				
12	Prepared by:	DR: Naela Al-Mogahed			
13	Date of Approval	2021-2022			

11. Course Description:

This course deals with the steps of preparing hand tools and rotary tools and sufficient knowledge of principles, techniques, tools and materials used during periodontal treatment.

III. Program objectives:

The student's ability to: Understand the sequence of clinical procedures needed to diagnose and plan treatment during periodontal treatment and as a professional dental assistant

IV. Intended learning outcomes of the course: (ILOs)

Intended learning outcomes of knowledge and understanding: at the end of this program graduates must be able to:

A1	Knowledge of different periodontal instrument techniques and knowledge of the scientific evidence for the use of this instrument are used
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Intended learning outcomes of intellectual skills: at the end of this program graduates must be able to:

B1	Integration of theoretical knowledge of periodontal therapy with instruments
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Intended learning outcomes of professional and practical skills: at the end of this program graduates will be able to:

C1	Knowing how to deal with a patient with periodontal disease in general practice, how to interact with dental hygienists and periodontal disease specialists and how daily work should be performed with this group of patients
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Intended learning outcomes of general and transferable skills : at the end of this program graduates will be able to:

D1	Ability to interact effectively with others in order to work towards a common outcome.
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D2	Independence - to take responsibility for learning with minimal guidance
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"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1	26- Lecture. 27- Demonstration 28- Practicing 29- Group discussion 30- E-learning	<ul style="list-style-type: none"> - Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignment

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
B1	32. Lecture 33. Demonstration 34. Practicing 35. Discussion 36. Demonstration 37. Drill and practice 38. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
C1	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies

Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 & D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

V. Course content:

D- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction to the course				
2	General classification of hand instruments: Power instruments:	<ul style="list-style-type: none"> - Curets - Sickle - Scalers - Periodontal files. <ul style="list-style-type: none"> ▪ Ultrasonic ▪ sonic scalers 			
3	Diagnostic instruments:				

4	File, Chisel and Hoes Mechanized Instruments	<ul style="list-style-type: none"> - Polishing Instruments - Surgical Instruments - Excisional and incisional instruments - Surgical curettes and sickles - Periosteal elevators - Surgical chisels & files - Scissors Needle holders EVA System 			
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VI. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in phantom lab	All ILOs	24	72

VII. Teaching strategies of the course:

- Lecture.
- Role play activities (Training, Practicing)
- Group work/ pair work
- Practical Labs
- Question and answer session related to selected topics
- Enabled Group discussion and Demonstrations.
- Seminar.
- Self- learning.

VIII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

IX. Learning Resources:	
	•
1.	Required Textbook(s) (maximum two)
	13. 14.
2.	Essential References
3.	Electronic materials and web sites etc,
	Nil

X. Course Policies:	
No	
1	Class Attendance: <ul style="list-style-type: none"> - Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none"> - Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none"> - Students should be in the exam hall before 15 minutes from the beginning of the exam - When the student is late for the exam more than 30 minutes is considered absent - Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: Assignments must be submitted on the due date handed personally to your module lecturer. Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer. Late Assignments / Extensions <ul style="list-style-type: none"> - Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents. - Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date. - In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	Cheating: <ul style="list-style-type: none"> - Cheating is bad behavior and faces it strictly

	- University regulations will be pursued and enforced on any cheating students
6	<p>Plagiarism:</p> <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else’s idea or work and trying to present it as your own. It is taking and using someone else’s work without proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none"> • Another person’s idea, opinion, or theory • Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge • Quotations of another person’s actual spoken or written words • Paraphrase of another person’s spoken or written words <ul style="list-style-type: none"> - Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none"> - The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source. - If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

Curriculum Outline

Third Year

Level three

Courses Specification

توصيف وخطة

مقرر

أدوات ومواد المعالجة اللبية

Instrument and Material for Endodontic

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Instrument and Material for endodontic			
2	Course code and Number				
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		2		1	-
4	Study level/semester at which this course is offered:	Level 3/ Semester 1 / Semester 2			
5	Pre- requisite	Dental Anatomy and Dental Materials			
6	Co- requisite	Nil			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English and Arabic			
9	Location of teaching the course:				
10	Study System	Attendance			
11	Course lecturers				
12	Prepared by:	DR: Naela Al-Mogahed			
13	Date of Approval	2021-2022			

11. Course Description:

This course deals with the steps in preparation, hand and rotary instruments used in operative dentistry. Also this course deals with the adequate knowledge of the principles, techniques, instruments and materials utilized during the endodontic therapy.

III. Program objectives:

Student ability to: Understand the sequence of clinical actions needed to diagnose and treatment plans during the endodontic therapy

IV. Intended learning outcomes of the course: (ILOs)	
<i>Intended learning outcomes of knowledge and understanding: at the end of this program graduates must be able to:</i>	
A1	▪ Demonstrate clear understanding of the knowledge of the dental materials and instruments used in endodontic .
A2	▪ Know the Diagnose and manage patients requiring restorative procedures.
A3	▪ Understand the basic principles, techniques and rational of operative procedures and their applications.
<i>Intended learning outcomes of intellectual skills: at the end of this program graduates must be able to:</i>	
B1	▪ Demonstrate the ability to identify the different instruments and materials used during endodontic therapy
B2	▪ The student will understand the criteria used to reach the best results with his help to the dentist
<i>Intended learning outcomes of professional and practical skills: at the end of this program graduates will be able to:</i>	
C1	▪ Ability to identify a basic set of tools and materials used in endodontic fillings .
C2	▪ Ability to properly prepare the necessary medicines for cleaning materials for the channels and filling them.
<i>Intended learning outcomes of general and transferable skills : at the end of this program graduates will be able to:</i>	
D1	▪ Autonomy – The student can take responsibility for own learning with minimum direction
D2	▪ Be able to work effectively in a group in lab, and will be able to use the sources of dental materials information to remain oriented with advances in knowledge and practice

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:		
Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	31- Lecture. 32- Demonstration 33- Practicing 34- Group discussion 35- E-learning	- Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignment

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:		
Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 & B2	1- Lecture 2- Demonstration 3- Practicing 4- Discussion 5- Demonstration 6- Drill and practice 7- Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies		
Course intended learning outcomes	Teaching strategies	Assessment strategies
C1&C2	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies		
Course intended learning outcomes		
D1 & D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

V. Course content:					
E- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction to the course				
2	General classification of hand instruments				
3	Diagnostic instruments	mirror, probe and tweezers			
4	Isolation of operating field instruments.	Manuals: cotton rolls or pellets and rubber dam Mechanical:(low and high suction)			
5	Manipulation of restorations	Condensing: (amalgam condenser and carrier) Pluggers: (amalgam condensers) Plastic instruments.			

	instruments:	Matrices. Palodont composite matrix. Biting rings. Composite tight ring.			
6	Endodontic files and reamers:	Broken instrument retrieval files Controlled memory flexible files Hedstrom or H-files K-files Manual tapered files McSpadden files NiTi flex files Pathfinder files Rotary tapered files			
7	Lentulo spiral	Masserans kit Microscope Peeso reamer burs			
8	Post and core kit				
9	No cutting instruments:	Dappen Dish or A dappen glass. Cement Spatula. Glass slap. Ash.			
10	Carving instruments:	Hollenbeck carver. ball burnisher. Burnisher			
11	Finishing and polishing instruments:	Hand (finishing strips). Rotary (finishing burs, stones, sand paper disc, sof-lex discs, black bristle brush, and rubber cups)			
12	Cutting instruments: instruments families:	- Hand cutting - Chisels (push & pull) - hatchet (right & left)			
13	Rotary cutting instruments:	- Operative burs (Flat fissure, pear-shaped, football, round, tapered, flame, chamfer, bevel, end cut, bud bur, steel, inverted cone, diamond, brown stone, and green-stone)			
14	Dental materials include:	- resin composites. - cements. - Glass ionomers. - Ceramics. - Noble and base metal. - Amalgam alloys and Casting Alloys			
15	other materials used in restorative procedures:	- Gypsum materials. - Casting investments. - Impression materials. - denture base resins			

VI. Teaching strategies of the course:				
A- Practical Aspect:				
order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in phantom lab	All ILOs	24	72

VI. Teaching strategies of the course:				
A- Practical Aspect:				
order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in phantom lab	All ILOs	24	72

VII. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

VIII. Learning Resources:	
	•
1.	Required Textbook(s) (maximum two)
	15.
	16.
2.	Essential References
3.	Electronic materials and web sites etc,
Nil	

IX. Course Policies:

No	
1	Class Attendance: <ul style="list-style-type: none">- Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none">- Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none">- Students should be in the exam hall before 15 minutes from the beginning of the exam- When the student is late for the exam more than 30 minutes is considered absent- Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
4	Assignments and projects: <p>Assignments must be submitted on the due date handed personally to your module lecturer.</p> <p>Assignments can be submitted before the due date outside of class with the prior agreement of the lecturer.</p> <p>Late Assignments / Extensions</p> <ul style="list-style-type: none">- Work that is submitted after the due date will be PENALIZED. 2 marks will be deducted every subsequent day after failure to submit on the deadline set by the lecturers. Deduction applies on weekdays and Saturday. No work will be accepted after one week of delay from the deadline given, unless you have valid reasons with supportive documents.- Extensions can only be granted if a student can show adequate progress towards completion of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date.- In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	Cheating: <ul style="list-style-type: none">- Cheating is bad behavior and faces it strictly- University regulations will be pursued and enforced on any cheating students
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	<p>proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none">• Another person’s idea, opinion, or theory• Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge• Quotations of another person’s actual spoken or written words• Paraphrase of another person’s spoken or written words- Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is an serious offence resulting in a FAIL grade for the subject.
7	<p>Other policies:</p> <p>Using Internet Sources</p> <ul style="list-style-type: none">- The World Wide Web has become a popular source of information for students’ papers, and many questions have arisen about how to avoid plagiarizing these sources. In most cases, the same rules apply as for a printed source: when you refer to ideas or quote from a WWW site, you must cite that source.- If you want to use visual information from a WWW site, many of the same rules apply. Copying visual information or graphics from a WWW site (or from a printed source) into a paper is very similar to quoting information, and the source

توصيف وخطة

مقرر

مواد أدوات طب أسنان الأطفال
وطب الأسنان الوقائي

*Material and instrument for Pediatric and Prevention
Dentistry*

Template for Course Specification

1. Course Identification And General Information					
1	Course Title:	Material and instrument for Pediatric and Prevention Dentistry			
2	Course code and Number				
3	Credit hours:	Contact Hours			Total credit hours
		Th.	seminar	Pr.	
		2		1	-
4	Study level/semester at which this course is offered:	Level 3/ Semester 1			
5	Pre- requisite	Dental Anatomy and Dental morphology.			
6	Co- requisite	Nil			
7	Programs in which the course is offered:	Dental Assistant(DDS)			
8	Language of teaching the course:	English & Arabic			
9	Location of teaching the course:				
10	Study System	Attendance			
11	Course lecturers				
12	Prepared by:	DR: Naela Al-Mogahed			
13	Date of Approval	2021-2022			

11. Course Description:

This course deals with the growth and development and behaviour management in children -diagnosis and management of caries in primary and immature permanent teeth.

This course also provides the dental Assistant students with an understanding of concepts, principles and methods of prevention of various dental diseases with emphasis on primary preventive measures.

III. Intended learning outcomes of the course: (ILOs)	
<i>Intended learning outcomes of knowledge and understanding: at the end of this program graduates must be able to:</i>	
A1	Understand the theories related to oral health and disease.
A2	Understand primary concern is to promote the oral health of infants, children, adolescents and children with special health care needs.
<i>Intended learning outcomes of intellectual skills: at the end of this program graduates must be able to:</i>	
B1	Achieve a high and ethical standard of practice, promotion of education, and research in Pediatric and Preventive Dentistry
B2	Differentiate between normal oral flora and those that relate to disease states.
<i>Intended learning outcomes of professional and practical skills: at the end of this program graduates will be able to:</i>	
C1	Have ability to apply preventive methods and oral health promotion plan for the patient.
C2	Able to select and demonstrate proper techniques for the use of oral physiotherapy (OPT) aids.
<i>Intended learning outcomes of general and transferable skills : at the end of this program graduates will be able to:</i>	
D1	Autonomy – to take responsibility for own learning with minimum direction.
D2	Be able to communicate effectively in a format appropriate to the discipline and report in a clear and concise manner.

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:		
Course intended learning outcomes	Teaching strategies	Assessment strategies
A1& A2	36- Lecture. 37- Demonstration 38- Practicing 39- Group discussion 40- E-learning	<ul style="list-style-type: none"> - Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignment

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:		
Course intended learning outcomes	Teaching strategies	Assessment strategies
B1&B2	1- Lecture 2- Demonstration 3- Practicing 4- Discussion 5- Demonstration 6- Drill and practice 7- Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies		
Course intended learning outcomes	Teaching strategies	Assessment strategies
C1&C2	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Observations ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": Alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies		
Course intended learning outcomes		
D1 &D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

III. Course content:					
F- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Introduction to the course of pedodontics and prevention dentistry.	<ul style="list-style-type: none"> ▪ Definition ▪ Scope ▪ Objectives and Importance 			
2	Development of occlusion from birth through adolescence	<ul style="list-style-type: none"> ▪ Study of variations and abnormalities 			
3	Dental anatomy and	<ul style="list-style-type: none"> ▪ Development of teeth ▪ Eruption and shedding of teeth. 			

	histology	<ul style="list-style-type: none"> ▪ Differences between deciduous and permanent teeth. ▪ Development of dentition from birth to adolescence. ▪ Importance of first permanent molar. 			
4	Dental radiology related to pedodontics				
5	Child psychology	<ul style="list-style-type: none"> ▪ Definition. ▪ Theories of child psychology. ▪ Psychological development of children with age. ▪ Principles of psychological growth & development while managing child patient. ▪ Dental fear and its management. ▪ Factors affecting child's reaction to dental treatment. 			
6	Behaviour management	<ul style="list-style-type: none"> ▪ Definitions. ▪ Types of behaviour encountered in the dental clinic. ▪ Non-pharmacological & pharmacological methods of Behaviour Management. 			
7	Diagnosis instrument	<ul style="list-style-type: none"> ▪ Mirror –probe –tweezers 			
8	Treatment tools for:	<ul style="list-style-type: none"> ▪ Filing (operative or endotonic) ▪ Periodontics treatment ▪ Extraction ▪ Surgery 			
9	Substances used to treat:	<ul style="list-style-type: none"> ▪ Filing (operative or endotonic) ▪ Periodontics treatment ▪ Extraction ▪ Surgery 			
10	Preventive dentistry:	<ul style="list-style-type: none"> ▪ Definition. ▪ Principles & Scope. ▪ Types of prevention. ▪ Different preventive measures used in Paediatric Dentistry including pit and fissure 			

		sealants and caries vaccine. ▪ Fluoride applications			
11	Dental health education				

VI. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	With each theoretical lecture there is practical exercise in phantom lab	All ILOs	24	72

41- Teaching strategies of the course:

- Lecture.
- Role play activities (Training, Practicing)
- Group work/ pair work
- Practical Labs
- Question and answer session related to selected topics
- Enabled Group discussion and Demonstrations.
- Seminar.
- Self- learning.

VIII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

X. Learning Resources:	
	•
1.	Required Textbook(s) (maximum two)
	17. 18.
2.	Essential References
3.	Electronic materials and web sites etc,
Nil	

X. Course Policies:	
No	
1	Class Attendance: <ul style="list-style-type: none"> - Students must attend all the consultation sessions in class and constantly show individual progression until the week of deadline. 80% attendance is the basic requirement of this course. Students failing to meet this requirement will face a penalty of mark percentage deduction. Any progression checks after due dates will not be accepted, unless you have valid reasons with supportive documents.
2	Tardy: <ul style="list-style-type: none"> - Attendance will be taken every lecture and practical sessions at the first 15minutes and any students come after that will be considered absent.
3	Exam Attendance\Punctuality: <ul style="list-style-type: none"> - Students should be in the exam hall before 15 minutes from the beginning of the exam - When the student is late for the exam more than 30 minutes is considered absent - Examinations will be given to students who are absent from the examination due to illness or death in the family or university-sponsored activity, but written documents must be provided
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	<p>of the assessment and there are extenuating circumstances preventing them from delivering the assessment on the due date.</p> <ul style="list-style-type: none"> - In the case of a request of an extension due to medical circumstances, students must produce an original medical certificate. The lecturer will only give extensions for a total amount of time not exceeding the equivalent number of days the medical certificate considered valid.
5	<p>Cheating:</p> <ul style="list-style-type: none"> - Cheating is bad behavior and faces it strictly - University regulations will be pursued and enforced on any cheating students
6	<p>Plagiarism:</p> <p>Plagiarism is a breach of intellectual property; the act of using or copying someone else's idea or work and trying to present it as your own. It is taking and using someone else's work without proper attribution.</p> <p>Intellectual Property involves:</p> <ul style="list-style-type: none"> • Another person's idea, opinion, or theory • Any facts, statistics, graphs, drawings—any pieces of information—that are not common knowledge • Quotations of another person's actual spoken or written words • Paraphrase of another person's spoken or written words - Issues of intellectual property extend beyond the written word of course. Bear in mind that the use of still images, moving images, audio or any other content which you have not created yourself, and which you do not have the appropriate permission to use, is a serious offence resulting in a FAIL grade for the subject.
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توصيف وخطة

مقرر

طرق أخذ صور الأشعة للأسنان والفكين

Methods for taking x-rays of the teeth and jaws

Template for Course Specification

I. Course Identification and General Information:				
1	Course Title:	Methods for taking x-rays of the teeth and jaws		
2	Course Code & Number:			
3	Credit Hours:	Credit Hours	Theory Hours Lecture Exercise	Lab. Hours
		3	1	1
4	Study Level/ Semester at which this Course is offered:	3 rd year / 1 st semester		
5	Pre –Requisite (if any):	physics, Dental Anatomy		
6	Co –Requisite (if any):	Nil		
7	Program (s) in which the Course is Offered:	Program Title: Dental Assistant(DDS)		
8	Language of Teaching the Course:	English and Arabic		
9	Study System:	Attendance is compulsory		
10	Mode of Delivery:	Basic Medical Sciences Department		
11	Location of Teaching the Course:	Lecture hall and Radiology unit		
12	Prepared by:	Dr: Naela Almogahed		
13	Date of Approval:	2021-2022		

II. Course Description:

Study the types of radiography devices, their operation, application and maintenance. It also includes radiological image processing.

III. Course Intended Learning Outcomes (CILOs) : (مخرجات تعلم المقرر)		Referenced PILOs (مخرجات تعلم البرنامج)	
F. Knowledge and Understanding: Upon successful completion of the course, students will be able to:			
A1	A1) Understand principles of radiographic image production; extra-oral radiographic techniques, panoramic radiography and alternative techniques.	A2	
A2	Understanding the basic principles of diagnostic imaging.	A2	
A3	Have a knowledge on the lesions related to the teeth and their supporting structures and traumatic injuries.	A2	
B1	Be able to make appropriate decisions regarding the need for radiography and apply appropriate patient and self-protection measures.	B4	
B2	Have a knowledge on the applications of x-ray in dentistry, as well as the effects of radiotherapy on oral- and para-oral structures.	B4	
C1	Be able to choose the appropriate radiographic technique and type of receptor to meet the diagnostic needs.	C2	
C2	Ability to describe and practice radiation protection and safety.		
C3	Able to interpret and write informative reports on radiograph findings.		
D1	Judgment Skills – Students can self-evaluate their own strength and weakness, challenge and receive opinions and develop own criteria and judgment.	D1	
D2	Autonomy – The student can take responsibility for own learning with minimum direction	D2	

"A": Alignment course Intended learning outcomes of knowledge and understanding to teaching strategies and assessment strategies:

Course intended learning outcomes	Teaching strategies	Assessment strategies
A1 – A3	42- Lecture. 43- Demonstration 44- Practicing 45- Group discussion 46- E-learning	- Class participation - Quiz(a1) - Mid -term Practical exam. - Final-term Practical exam - Mid -term written exam. - Final-term written exam. - Assignments

"B": Alignment course intended learning outcomes of intellectual skills to teaching strategies and assessment strategies:		
Course intended learning outcomes	Teaching strategies	Assessment strategies
B1 & B2	39. Lecture 40. Demonstration 41. Lab lectures 42. Discussion 43. Training	<ul style="list-style-type: none"> • Evaluation test • Theoretical exams • Practical Test • Assignments

"C": Alignment course intended learning outcomes of professional and practical skills to teaching strategies and assessment strategies		
Course intended learning outcomes	Teaching strategies	Assessment strategies
C1-C3	<ul style="list-style-type: none"> ▪ Sessions ▪ Presentations ▪ Multimedia 	<ul style="list-style-type: none"> ▪ Exams ▪ Questioning strategies ▪ Provide activities ▪ Participation in the classroom

"D": alignment course intended learning outcomes of transferable skills to teaching strategies and assessment strategies		
Course intended learning outcomes	Teaching strategies	Assessment strategies
D1 & D2	<ul style="list-style-type: none"> ▪ Discussion Strategy ▪ Case Method ▪ Work group ▪ Assignments 	<ul style="list-style-type: none"> ▪ Use email to deliver assignments. ▪ Using communication media by students(group working)

IV. Course content:					
A- Theoretical Aspect:					
Order	Units/topic list	Sub topics list	Number of weeks	Contact hours	Learning outcomes
1	Basic and Radiation Physics	Concepts of Radiation and Atomic Structure X-ray Production Interaction with Tissue and Bio-effects of Radiation Radiation Protection X-ray Equipment General X-ray tubes	2	2	A1&A3
2	X-ray Equipment	Dental X-ray tubes Exposure Factors Basic and Advanced Concepts Radiographic Technique Indications and Considerations	2	2	A1&A3
3	Radiographic Technique	Principles of Dental Technique Paralleling / Bisected Angle	4	2	A1-A3

		Bitewing X-ray Equipment Specialized X-ray tubes			and B1&B2
4	<i>Radiographic Technique</i>	Principles of Dental Technique Occlusal OPG Exposure Factors Image Quality Criteria	4	2	A1-A3 and B1&C1
5		Revision	1		
6		Midterm exam	1	2	
7	Image Receptors	Image Production and Film Screens and Cassettes Digital image Production Receptors Acquisition and imaging chain	3	2	A1-A3 and B1&C1
8	Processing	Film Processing: Principles and Practice Chemical Hazards Film Faults Digital Processing Digital Hardcopy	3	2	A1-A3 and B1&C1
9	Legislation and Dosimetry	Legislation Dosimetry Quality Assurance Equipment	2	2	A1-A3
10	Quality Assurance	Photographic Digital Clinical Audit	2	2	A1-A3 and B1&B2
11		Revision	1		
12		Final exam	1	2	

V. Teaching strategies of the course:

A- Practical Aspect:

order	Tasks/ experiments	Learning outcomes	Number of weeks	Contact hours
1	All Lab lectures related the theory lectures	All ILOs	16	32

VI. Teaching strategies of the course:

- 1- Lecture.
- 2- Role play activities (Training, Practicing)
- 3- Group work/ pair work
- 4- Practical Labs
- 5- Question and answer session related to selected topics
- 6- Enabled Group discussion and Demonstrations.
- 7- Seminar.
- 8- Self- learning.

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week due	Mark
1	Attendance	All ILOs		
2	Seminars	All ILOs		
3	Requirements	All ILOs		
4	Daily lab evaluation	All ILOs		
5	Classroom activities and/or students' participation	All ILOs		
6	Assignments	All ILOs		

VIII. Learning Resources:

	•
1.	Required Textbook(s) (maximum two)
	19. 20.
2.	Essential References
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IX. Course Policies:

No	
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7

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وتم بحمد الله وفضلة