Course Name	Introduction to Oral Health and the Dental Profession				طب الأسنان	حة الفم ومهنة	مقدمة في صد
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total
	3401101	46456	1		1	0	1
Track	☐ University R	equirement	College Re	quirement	Core	☐ Elect	ive
Level	1 st Semester			Prerequi	site Prepa	ratory Year	r Program

Course Description:

Students begin their preparation to become dentists by learning what constitutes good oral health and how it is maintained throughout the life cycle with focus on personal hygiene including brushing, flossing and use of fluorides. Principles types of dental diseases and abnormalities are reviewed with emphasis on their causes and strategies for prevention and treatment. Students learn the principle modalities of dental treatment. Students learn the types of oral health problems that are treated by each of the dental specialties and are introduced to the concept of primary care dentistry. The relationship between dentistry and medicine is described and dentists' scope of medical practice is compared to that of physicians. Students learn the history, traditions and values of the profession of dentistry within Saudi Arabia and internationally, and the missions and unique features of The KFU College of Dentistry. Students interview dental faculty to learn about their careers and why they decided to be dentists.

Grading	Mid-term	20%	Project	30%	Quizzes	
	Final	30%	Lab	20%	Participation	

Textbook:

Burt and Eklund. Dentistry, Dental Practice and the Community. 6th edition. 2005. W.B. Saunders

Reference Book:

- i. Bresch, et al. Today's threat is tomorrow's crisis: advocating for dental education, dental and biomedical research, and oral health. Journal of Dental Education. 2006. 70(6): 601-606
- ii. Hendricson and Cohen. Oral health care in the 21st century: implications for dental and medical Education. Academic Medicine. 2001; 77(12): 1181-1206.

Course	Ethical and Profess	ional Practice	· Foundations			マッション アンフェンス アンス マッション アンス アンス アンス アンス アンス アンス アンス アンス アンス アン	الممارسة المهنية و		
Name	of Ethical Decision		. Foundations			ره حارتيه	الممارسة المهدية و		
Name	of Linear Decision	-Waking							
Course	Course Code	CRN	Credit	Contact	Lecture	Lab	Total		
Information			Hours	Hours					
	3401102	46457	1		1	0	1		
Track	University Red	uirement	College Re	quirement	Con	re	Elective		
Level	1 st Semester			Prerequi	site Pre	paratory	Year Program		
Course Descri	ourse Description:								
During the first year course, small-group discussions focus on ethical issues commonly experienced by dental students, with exploration of behavioral expectations and academic integrity. Students learn and use a process for analyzing ethical dilemmas and making ethically defensible decisions. Additional topics during the first year ethical and professional practice course include patient, student and employee privacy/confidentiality, HIPAA, patient records, informed consent and ethical issues relating to providing health care for patients with diverse cultural backgrounds. Students explore health belief systems embraced by people from diverse cultures and analyze scenarios where patients' beliefs influenced health behaviors.									
Grading	☐ Mid-term		☐ Project		Quizzo	es			
	Final	100%	Lab] Partic	ipation			
Textbook:	l						l		
 i. American College of Dentists (ACD) Online Dental Ethics Course https://www.dentalethics.org/index.shtml iii. Williams JR. Dental Ethics Manual. 2007. Ferney-Voltaire, France: FDI World Dental Federation. iii. Saudi Commission for Health Specialties. Code of Ethics for Healthcare Practitioners. 2014. iv. Rule and Veach. Ethical Questions in Dentistry. 2nd edition. 2007. Quintessence. v. Ozar and Sokal. Ethics at Chairside: Professional Principles and Practical Applications. 2nd edition. 2001. Georgetown University Press. Reference Book:									

Course	Biochemistry and	Nutrition for D	Dentists	<u> </u>		تغذية	ية السنية و ال	الكيمياء الحيو		
Name		11002202				-		<i>J.</i>		
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lect	ure	Lab	Total		
IIIVI IIIWV	3401103	47092	4	=	4	ļ	0	4		
Track	☐ University Re	equirement	College Re	Requirement Core Elective						
Level	1 st Semester			Prerequi	site 1	Prepar	ratory Yea	r Program		
Course Descri	ption:				•					
disease, and nu and nucleic aci DNA replication relevant to the course includes biochemical manner is emp carbohydrates, constituents. Ex- context of spec	n and interrelations atrition. Students entrition. Students entry such as clinical correlation echanisms. The imphasized with focus lipids and proteins dentulism, caries, cail nutritional need	explore cellular carbohydrate ranslation, and s blood coagu- ons to provide aportance of m s on digestion s/amino acids oral surgery, o	ar components as, proteins, and energy translation, caries for a clinical pernutrition in the absorption, but and therapeuthemotherapy	s and macrad lipids; eduction; are formation aspective of dental heroiosynthes and radio	omole lemen nd bio and ca n dise alth an is and als of therap	ecules tary p schem alcium ases v ad dev meta foods by are	s, such as processes istry of processes is homeost with know velopment bolism of stuffs and explored	proteins such as rocesses easis. The rn t of their in the		
Grading	Mid-term	40%	Project		Qui		20	%		
7D 41 1	Final	40%	☐ Lab	L	Par	ticipa	tion			
i. Berg, Tymoc Reference Boo	ezko, and Stryer. B	siochemistry.	6th edition. 20	006. WH F	reema	an.				

Course Name	Gross Anatomy for Dentists				التشريح العام لأطباء الأسنان			
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total	
	3401104	47093	7		4	7	11	
Track	☐ University R	☐ University Requirement ☐ College Requirement ☐ Core ☐ Elective						
Level	1 st Semester Preparatory Year Program							
Course Descri	ption:		_	•				

Students learn the general anatomical and functional features of the major systems of the human body: skeletal system, muscular system, peripheral nervous system, respiratory system, cardiovascular system, digestive system and urogenital system. The latter part of the course focuses exclusively on the anatomical and functional features of the head and neck region. At the conclusion of this course, students will be able to:

- Identify the gross anatomical structures comprising the major body systems and explain functional features of these systems.
- Identify gross anatomical structures of the head and neck, and explain the functional features of this region.
- Comprehend the anatomical relationships between structures in the head and neck region, and locate structures for physical exam inspection and emergency procedure.
- Identify normal anatomical structures on radiographic and other images of the human body.

Grading	Mid-term	20%	☐ Project		Quizzes	10%
	Final	25%	Lab	45%	Participation	

Textbook:

- i. Moore & Agur. Essential Clinical Anatomy. 3rd edition. 2006. Lippincott, Williams & Wilkins.
- ii. Agur. Grant's Atlas of Anatomy. 12th edition. 2007. Williams & Wilkins.
- iii. Abrahams, Spratt, Loukas. McMinn & Abrahams Clinical Atlas of Human Anatomy. 7th edition. 2013. Mosby.

Reference Book:

- i. Netter. Atlas of Human Anatomy. 3rd edition. 2003. ICON Learning Systems.
- Dorland's Illustrated Medical Dictionary. 31st edition. 2011. W.B. Saunders. ii.

Course Name	Microscopic Anato	omy (Histology	y)		ىيچ)	ي (علم النه	التشريح المجهر		
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total		
	3401105	47094	4		3	3	6		
Track	☐ University Re	equirement	College Re	Requirement Core Elective					
Level	1 st Semester			Prerequi	site Prepa	ratory Ye	ar Program		
Course Descri	ption:			1					
then focus on the oral cavity. Students learn the histology of enamel, dentin, pulp and cementum; periodontal ligament and bone. Students learn the development of the face and oral cavity; dentin matrix formation; calcification; oral mucosa; molecular anatomy; epithelial and connective tissue interactivity; epithelial attachment; gingival sulcus; and study root and cementum formation as well as histology of the salivary glands. The information acquired in this course enhances student understanding of histological changes arising from pathological changes in the oral cavity, as well as the histological basis for wounding healing and repair, and bonding compounds for dental restorations.									
Grading	Mid-term	60%	Project		Quizzes		0%		
	Final	30%	☐ Lab	<u> </u>] Participa	ation			
	equeira's Basic His ery's Essentials of ok:								

Course Name	Dental Anatomy a	and Occlusion				•	التشريح السني
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total
Illioi mation	3401106	47095	5		4	6	10
Track	☐ University Re	equirement	College Re	quirement	Core	Elec	tive
Level	1 st Semester			Prerequi	site Prep	aratory Yea	ar Program
Course Descri	ption:			1	1		
various jaw po manual dexteri will be required occlusion are in	the dentition, suppositions. In the laborate and eye-hand conditions to restore defection tegrated through	oratory comporation naive teeth to proport the course	onent of the coecessary to per coper form, fur	ourse, stud rform labo	ents begin oratory and l esthetics.	to develo I clinical ta Concepta	p the asks that
Grading	Mid-term	20%	Project		Quizzes		
TD 41 1	Final	20%	Ⅲ Lab	60%	Particip	ation	
i. Nelson and A Saunders Reference Boo	Ash. Wheeler's De	ntal Anatomy	y, Physiology a	and Occlus	sion. 9th e	dition. 20	10. W.B.

Course	Introduction to Pa	tiont Cara (IDC	T). Posic	. ة	لمهارات السرير	لة المدخد وال	مة دمة م
Course	Clinical Skills	tient Care (if C). Dasic	'پر	مهارات السرير	به اعتراضی: ۱۱	معدمه في محديد الأساسية
Name	Ciliicai Skiiis						<u></u> ,
Course	Course Code	CRN	Credit	Contact	Lecture	Lab	Total
Information			Hours	Hours			
	3401107	47096	2		1	2	3
Track	☐ University Re	equirement	College Re	quirement	t 🔣 Core	☐ Elec	tive
Level	1 st Semester			Prerequi	isite Prepa	ratory Yea	r Program
Course Descri	ption:			•			
early in the cur delivery of den of IPC, student positioning of monitoring and retraction, and instruction. Stu- digital photogr rubber dams, n complete basic and by higher-	ents to acquire four rriculum. Dental statal treatment, with its learn cubicle pre- the patient, positional recording vital sial providing preventations also acquire aphy, preparing districtions consisting cements, con- talife support trainial level dental studental during weekly classical states.	udents learn a focus on pat eparation, infe- oning of dentisings, recording ive therapy for existing a sample of a shift and the sample of a formation and t	a variety of no ient examination control ast and assistant g medical histor patients included for applications, taking imprestabilizing applications are skills in iring basic skills in iring iri	n-invasive on. During and environt, transfer ory and de- uding oral on of sealancessions and liance, pro- n small gr	e clinical skep the four someontal sa of dental intental charting the hygiene a onto the hygiene and flud bite registroup demon	cills that semester safety, seating trumenting, evacuand risk prooride varration, apient educanstrations	upport the equence ing and s, ation and evention aish, oplying ation and by faculty
Grading	Mid-term	10%	☐ Project	Т	Quizzes		
	Final	30%	Lab	60%	Participa	ation	
Textbook:	_	1					
i. BLS for Hea	lth Professionals; A	American He	art Association	n. 2012. A	merican H	eart Assoc	ciation.

Course Name	Professional Deve Management: Care	•	ractice	للحياة	رسة: التخطيط	وتنظيم المما	التطور المهنم المهنية	
Course	Course Code	CRN	Credit	Contact	Lecture	Lab	Total	
Information	3401108	53790	Hours 1	Hours	1	0	1	
Track	☐ University Re	equirement	College Re	Requirement Core Elective				
Level	2 nd Semester			Prerequi	site Prepa	ratory Year	Program	
Course Descri	ption:			1	I			
and use these skills to develop near and long-term career goals as well as plans for achieving these goals. Students also explore principles and methods of personal financial planning including accounting principles, cash flow management, and use of balance sheets. Students learn how to develop a budget and prepare one to address financial needs for the remainder of their dental education.								
Grading	☐ Mid-term		Project	20%	Quizzes			
	Final	30%	Lab	50%	_ Participa	ation		

Course Name	Dental Public Heal & Risk Assessmen		th Promotion	ية وتقييم	ة الفمو	ن الصحاً	ية: تحسي	ة السن	الصحة العام المخاطر
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lec	cture	Lab		Total
mormation	3401109	53791	2			1	1		2
Track	☐ University Re	quirement	College Re	quiremen	t 🔯	Core	E	lecti	ve
Level	2 nd Semester			Prerequ	isite	Prepa	ratory `	Year	Program
Course Descri	ption:								
fluoride varnis	ral health education h. Mid-term		Project			uizzes	, , , , , , , , , , , , , , , , , , ,	10%	
	Final	70%	Lab	10%	Pa	articipa	ation	10%	⁄o
Textbook:	1	1	- 1	1					
ii. Burt and Ek Saunders.	Mobley. Prevention lund. Dentistry, De Morganstein. Jong	ental Practice	e and the Comr	nunity. 6t	h edi	tion. 2	005. V	V.B.	
Reference Boo	ok:								

Course Name	Physiology of Hun	nan Organ Sy	stems				عضاء	علم وظائف الأ	
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lec	cture	Lab	Total	
	3401110	53793	5			5	0	5	
Track	☐ University Re	quirement	College Re	Requirement Core Elective					
Level	2 nd Semester			Prerequi	site	Prepa	ratory Yea	ar Program	
Course Descri	ption:			•					
factors and processes responsible for the development, progression and procreation of life. The course is conducted with an organ systems approach. Students learn basic cellular physiology followed by skeletal muscle physiology. Students then learn physiology of the cardiovascular system, the nervous system, the renal system, the respiratory system, the gastrointestinal system at the endocrine system.						ogy llar ystem and			
Grading	Mid-term	35%	Project			uizzes)%	
	Final	35%	☐ Lab	L	_ Pa	articipa	ation		
i. Levy, Koepp Mosby. Reference Boo	en and Stanton. Be	rne and Lev	y Principles of	Physiolog	gy, 4	th ed. 2	2005. Els	evier	

Course Name	Dental Neuroscieno	ce				للأسنان	علم الأعصاب			
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total			
	3401111	53792	1		1	0	1			
Track	☐ University Re	quirement	College Re	quirement		☐ Elect				
Level	2 nd Semester			Prerequi	site Prepa	ratory Year	Program			
Course Descri	ption:				1					
orofacial reflex relevant to the includes explor treatment plans reinforced by la conclusion of t •identify surfa •identify the con- • describe the •describe neur •identify norm	Students learn the basics of neuroanatomy underlying somatosensory perception, special senses, orofacial reflexes, and common neurological disorders. Emphasis is on neuroanatomical pathways relevant to the head and neck, especially those mediated by the trigeminal system. The course also includes exploration of motor pathways and the special senses, disorders that often influence treatment plans developed by dentists. Students' understanding of the neuroanatomical pathways is reinforced by laboratory sessions with representative images of brain and spinal cord sections. At the conclusion of the course, students are able to: •identify surface and internal features of the cerebrum, cerebellum, brain stem and spinal cord eidentify the cranial nerves and the arteries of the central nervous system describe the formation and function of the cranial nerves, •describe neurological deficits resulting from injury or disease to the nervous system eidentify normal neuroanatomical structures on CAT and MRI scans, and erelate nervous system development to normal adult morphology and congenital defects.									
Grading	☐ Mid-term		☐ Project	В	Quizzes	25	%			
	Final	75%	☐ Lab] Participa	ation				
Textbook:										
i. Haines. Fund	lamental Neuroscie	ence for Basic	and Clinical	Application	on. 3rd edit	ion. 2006.	Elsevier.			
Reference Boo	ok:									

Course Name	Microbiology and	Microbiology and Immunology				ناعة	علم الأحياء والم			
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total			
	3401112	53794	4	-	4	0	4			
Track	☐ University Re	equirement	College Re	equirement	t 🖪 Core	☐ Elec	ctive			
Level	2 nd Semester			Prerequi	isite Prepare	aratory Ye	ar Program			
Course Descri	ption:									
covered are bacteriology, virology and mycology. Clinical case studies are used to illustrate infectious processes in oral and systemic diseases, with emphasis on infections of the oral cavity. At the conclusion of this course, students will be able to: describe the microbial ecology of the oral cavity, including acquisition of the oral microflora, identify the bacterial genera of the oral cavity, compare microbial pathogens of the oral cavity with respect to morphology and pathogenesis and describe the evolution of plaque and development of dental caries and periodontal disease. During the immunology component, students learn the two basic types of immunity and their components and functions. Students learn various ways in which immune systems protect against infection and learn dysfunctions and diseases associated with the immune system. Immunology of the oral cavity and the immune system's role in health and disease is emphasized.										
Grading	Mid-term	75%	☐ Project		Quizzes					
	Final	25%	☐ Lab		Particip	ation				
Anatomy. 12th ii. Abbas and I		lliams & Will nmunology. 31	kins. rd edition. 201	10. Saunde	ers / Elsevi	er.	as of			

Course	Introduction to Par	مقدمة في عناية المرضى: الفحص الأساسي للمريض								
Name	Patient Examination		.). Busic	ي جي ن	,		ي			
			<u>, </u>	Contact Lecture Lab To						
Course	Course Code	CRN	Credit		Lecture	Total				
Information	2401112	52505	Hours	Hours		2	4			
	3401113	53795	2		2	2	4			
Track	☐ University Re	equirement	College Re	quirement	Core	_ Elect	ive			
Level	2 nd Semester			Prerequi	site Prepa	ratory Year	Program			
Course Descri	ption:			•						
medical, dental, social and medication history and the patient's chief complaint, extra-oral examination of the head and neck, measuring and recording vital signs and documenting finding the patient's electronic patient record (EPR). Students participate in labs to observe demonstration of interviewing and examination techniques and then practice patient assessment skills, with focus on conducting the medical and dental interview and the extraoral exam. The final exam is an OS (Objective Structured Clinical Examination) using Standardized Patients to assess students' ability to perform patient examination skills with focus on interviewing and extraoral examination.										
Grading	☐ Mid-term		☐ Project		Quizzes					
	Final	50%	Lab	50%] Participa	ation				
i. Terezhalmy, Blackwell. Reference Boo	Huber and Jones.	Physical Eval	luation in Den	tal Practic	e. 1st editi	on. 2009. V	Wiley-			

Course Name	Radiological Tech	nnique						وة	تقنية علم الأشد
Course Information	Course Code	CRN	Cred Hour		Contact Hours	Lec	Total		
	3401114	53796	2				1.5	0.5	2
Track	☐ University R	equirement	Colleg	e Re	quirement		Core	☐ Elec	tive
Level	2 nd Semester				Prerequi	site	Prepa	ratory Yea	ır Program
Course Descri	iption:								
mannequin (Di phosphor syste	in placing, exposin XTTR), and gain on the control of the control	experience with assess radiog	th digital i graphs for	mag norn	ing technonal anator	ology nic s ano	y and to	he photos res, radios	timulable
Grading	Final	20%	Lab		40%		articipa		. , , ,
Textbook: i. White and Plant Reference Books	haroah. Oral Radio	ology. 6th edit	tion. 2009	Мо	sby.				

Course Name	Foundations of Re	Course Code CPN Credit					سنان الترميمي	أسس طب الأ
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lec	ture	Lab	Total
	3401115	53797	4			2	4	6
Track	☐ University Re	quirement	College Rec	quirement	83	Core	Electi	ve
Level	2 nd Semester			Prerequi	site	Prepar	ratory Year	Program
Course Descrip	tion:							
esthetics in a lor first year with fu treatment of den	p the skills needed for agitudinal course, spundamentals of cario tal caries. Also during	anning years logy, disease ing the first ye	two and three. T prevention, risk ear, students' exp	he students manageme perience in	i' lear ent an precl	rning pr d strate inical t	rocess starts egies for no echnique la	s in the n-surgical bs begins

in the Foundations of Restorative Dentistry course through years two and three is outlined below.

•Fundamentals of disease prevention and risk management

•Biologic and chemical etiology of dental caries, clinical presentation, prevention, control, and non-surgical management

surgical techniques, skills that are also developed in the dental anatomy course. Throughout the course in years one and two, students learn biomaterials used in different types of restorative therapy as each technique is introduced and learn a process for making rational and evidence-based selection of restorative materials. Throughout the course, technical skill is developed through progressively complex pre - clinical simulations where students learn to restore tooth structure with amalgam, composite resins, laminates and veneers. Students also learn to assess interarch (occlusal) relationships. The continuum of skills acquired by students

- •Classification of cavities and restorations
- •Instruments used in tooth preparation & restoration; instrument grasps & operating considerations
- •Rotary instrument skill development
- •Tooth preparation process and procedures cavity preparation exercises
- •Composite restorations physical characteristics and visible light-curing units
- •Direct anterior resin composite and other tooth-colored restorations: Classes III, IV, and V direct composite restorations
- •Direct posterior resin composite restorations: preventive resin restorations and Classes I, II, and VI direct composite restorations
- •Classes I, II, V and VI amalgam restorations
- Treatment of root caries
- •Basic concepts of restoring esthetics in anterior teeth: bleaching and color matching, skills which are enhanced in the esthetics dentistry course later in the curriculum
- •Complex amalgam restorations retention, amalgam bonding, restoring endodontically treated teeth
- Evaluation of occlusion using diagnostic models and casts

Grading	Mid-term	20%	☐ Project		☐ Quizzes	
	Final	20%	Lab	54%	Participation	6%

Textbook:

- i. Hilton, Ferracane, Broome. Fundamentals of Operative Dentistry: A Contemporary Approach, 4th edition. 2014. Quintessence.
- ii. Heymann, Swift, Ritter. Sturdevant's Art & Science of Operative Dentistry. 6th edition. 2013. Mosby.
- iii.Pitts. Detection, Assessment, Diagnosis and Monitoring of Caries. Monographs in Oral Science. Volume 21. 2009. Karger.
- iv. Powers and Sakaguchi. Craig's Restorative Materials. 13th edition. 2012. Elsevier.

Reference Book:				

Course Name	Foundations of Pro	osthodontic Tre	eatment			ن التعويضي	أسس طب الأسنار
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total
	3401116	53905	5		2	6	8
Track	University Re	quirement	College Rec	quirement	Cor	e Ele	ective
Level	2 nd Semester			Prerequi	site Pre	paratory Y	ear Program
Course Descrip	tion:				I		
(4) provide imple component by ir of endentulous provide diagnosis, ender placement of consimulation lab, so the second comprestorations; the restorations and crowns and short conventional Tymaterial systems construction. The association of bit In RPD labs, stuctonstruction technical implants,	ant-supported prosthe troducing students to attents with focus of attulous impressions, implete dentures, and students learn the laboronent, students learn rationale and methor the restoration of ent span, fixed partial pe III dental gold all is. Major emphasis is set third component a cological and mechanical dents develop skills hinque. In the final content, and implant main	neses. The country to the diagnost of the diagnost of the biomecha maxillomandial post-placeme poratory phases on the principle addodntically to dentures. Labeley, and developlaced on rest ddresses remonical principles in diagnosis, to course components of the course	rse begins in ye ic, treatment, ar anics of the end bular relations, ent care and mai s of the fabricat s of fixed prostil and partial ver reated teeth. In projects include opment of naturation design avable partial design and propose and areatment planninent, students ent selection and	ear two with and mainten dentulous standenture est ntenance of ion and rephodontics, neer preparallabs, stude e metal cera al-appearing and the phantures (RP al constructions, survey explore important programment programme	ant the com ance phas ate, clinic thetics, de f endentu vair of cor involving ations; the mic tech- ng tooth c ases of res D) where ting RPDs	plete dentues in the real examinanture occlus patien in plete dente single and e fabrication the skills in the ski	ehabilitation ations and usion, initial ats. In the tures. During I multiple on of to fabricate of th restorative anning and earn the
6	Final	25%	Lab	_	Partic		5%
Textbook: Reference Book	κ:						

Course	Dental Public Hea	lth: Epidemiol	ogy and	الصحة العامة السنية: علم الوبانيات والاحصاء							
Name	Biostatistics			ي							
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture Lab Total						
	3401201	47101	1		1	0	1				
Track	☐ University Re	equirement	College Re	quiremen	t 🖪 Core	☐ Elec	tive				
Level	3 rd Semester			Prerequi	isite Comp Year	pletion of S	Second				
Course Descri	iption:										
public health li techniques and health database issues.	lysis. Students also terature. As outcon methods of analyses and describe bas	mes of this co	ourse, students ntal public hea pidemiological	will be al alth, ident I studies to	ole to explaify common	nin basic s nly used p se public h	tatistical oublic nealth				
Grading	☐ Mid-term		Project	30%	Quizzes)%				
	Final	60%	☐ Lab		_ Particip	ation					
Professionals. Reference Boo	Smoller. Biostatis 3rd edition. 2004.	Seconder-Ve	rlag.								

Course	Evidence-Based D			يل العلم	دة على الدا	الممارسة المعتم				
Name	Evidence Bused B				٠		· G			
	Course Code CRN Credit Contact Lecture Lab									
Course	Course Code	CRN			Lec	cture	Lab	Total		
Information	2401202	47102	Hours	Hours		1	0	1		
	3401202	47102	1			1	0	1		
Track	☐ University Re	quirement	College Re	quirement		Core	☐ Ele	ctive		
Level	3 rd Semester			Prerequi	site	Comp Year	letion of	Second		
Course Descri	ption:			l						
regarding the a acquire a basic with focus on t to identify unce searches of electron PICO question	This course prepares students to ask questions, think critically and to make sound judgments regarding the acceptance of new knowledge, products, and procedures in private practice. Students cquire a basic understanding of clinical research methods, epidemiology, and statistical procedures with focus on the knowledge and skills associated with evidence-based practice. Students learn how to identify uncertainties in patient care, formulate focused questions in the PICO format, conduct earches of electronic databases, and critically appraise research reported in articles. Students write PICO questions to guide exploration of the literature, conduct searches of electronic databases, appraise found information and then develop and present Critically Appraised Topic Summaries CATs).									
Grading	☐ Mid-term		Project	60%	Q	uizzes				
	Final	40%	Lab		Pa	rticipa	tion			
Textbook:	ı		_1	1						
						•		ntemporary		

Course Name	Systemic Patholog	gy					العام	علم الامراض		
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lec	cture	Lab	Total		
	3401203	47103	5			5	0	5		
Track	☐ University Re	equirement	College Re	quirement		Core	_ Elect	tive		
Level	3 rd Semester			Prerequi	site	Comp Year	letion of S	econd		
Course Descri	ption:									
This course provides students with a scientific foundation in the etiology, pathogenesis, morphologic alterations and effects of diseases. Knowledge of pathologic processes of disease provides a logical explanation for symptoms, signs and biochemical changes, and thus aids in attaining correct diagnosis, prognosis and treatment of diseases. During this course, students learn fundamental concepts of pathology (general pathology) and systemic pathology (i.e. consideration of specific organ systems such as cardiovascular diseases, pulmonary diseases, etc. Emphasis is placed on bone pathology and diseases that affect craniofacial region. At the completion of this course, students are able to: • Describe structural and functional changes in tissues and organs in disease processes. • Explain basic pathologic processes in cell injury, inflammation and repair. • Describe pathologic processes in disorders of vascular flow and shock. • Describe pathologic aspects of genetic diseases and disorders of the immune system. • Describe etiology and pathologic features of neoplastic diseases. • Describe pathologic features, etiology, clinical correlation and complications in selected aspects of systemic pathology of the hematological, respiratory and renal / urinary systems										
Grading	Mid-term	60%	Project	10%	Q	uizzes				
	Final	30%	☐ Lab		Pa	rticipa	tion			
Saunders.	as, Fausto and Mit Pathology for the l							er		

Course Name	Radiographic Inte	Radiographic Interpretation					عي	التقييم الإشعا			
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Iours						
	3401204	47104	1]	1	0	1			
Track	☐ University Re	equirement	College Re	quirement		Core [Electi	ve			
Level	3 rd Semester			Prerequi		Complet Year	tion of Se	econd			
Course Descri	ption:										
and characteriz intraoral anator radiographic in disorders, cysts		o a differential tion, bone loss ts and TMJ an	diagnosis for s, tooth and ja alysis, and de	patholog w inflamn tection of	ic enti nation traum	ties. Keg a, inflam aa, musc	y topics mation culoskele	include sequela, etal			
Grading	Mid-term	25%	☐ Project		Qui		10%	/o			
T	Final	25%	⊞ Lab	40%	Par	rticipatio	on				
i. White and Pl	naroah. Oral Radio	ology. 6th edit	ion. 2009. Mo	osby.							

Course Name	Introduction to Par Patient Examination	,	*						والمساعدة السرير	
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture		Lab		Total	
	3401205	47105	3			2	4		6	
Track	☐ University Requirement ☐ College Requirement ☐ Core ☐ Elective							ve		
Level	3 rd Semester			Prerequi	site	Comp Year	letion o	of Se	cond	
Course Descri	ption:									
semester, IPC to document abnormatiographic principles for students the EPR. Strattare practiced in	conduct an extraoral exam and document findings in the electronic patient record (EPR). In this semester, IPC focuses on intraoral exams, where students learn how to exam the oral soft tissues a document abnormal findings in the patient's EPR. Students learn how to select appropriate radiographic procedures for appraisal and diagnosis of potential oral disease. An important outcon is for students to learn how to determine the patient's ASA risk status classification and document the EPR. Strategies for initiating consultations with, and / or referrals to, other health care provide are practiced in simulations. As a component of IPC throughout year three, students serve ½ day (i.e., one clinic period) weekly in the clinic as assistants for upper-class students.								outcome ument in providers	
Grading	Mid-term	30%	☐ Project	B	Q	uizzes		10%	6	
	Final	30%	Lab	30%	Pa	articipa	ation			
i. Terezhalmy, Blackwell.	Huber and Jones.	Physical Eval	luation in Dent	tal Practic	e. 1s	t editio	on. 200	99. V	Viley-	

Course Name	Gingival and Periodontal Disease				، اللثة والانسجة الداعمة للسن				
Course	Course Code	CRN	Credit	Contact	Leo	ture	Lab	Total	
Information	2401206	47106	Hours	Hours		1	1	2	
	3401206	47106	2			1	1	2	
Track	☐ University Re	equirement	College Re	Requirement Core Elective					
Level	3 rd Semester			Prerequi	site	Comp Year	letion of	Second	
Course Descri	ption:								
Students acquir In labs, student	re skills to clinical ts learn how to per	ly and radiogr form periodor	raphically eval ntal examinati	ed with the systemic health of patier y evaluate the periodontal status of minations, conduct risk assessment, sylaxis, scaling and root planing.				patients.	
91 wwg	Final	35%	Lab	30% [_ `	rticipa	tion		
i. Wilson and Kornman. Fundamentals of Periodontics. 2nd edition. 2005. Quintessence. Reference Book:									

Course Name	Craniofacial Growth and Development				لقحفي الوجهي				
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture		Lab	Total	
	3401207	47107	1			1	0	1	
Track	☐ University Re	quirement	College Re	quirement		Core	☐ Elec	ctive	
Level	3 rd Semester			Prerequi	site	Comp Year	oletion of	of Second	
Course Descri	iption:								
period to mature Etiology of ordevelopment o	onal, and environmerity, with emphasis of acial abnormalities of the child and ado	s on the func es is address lescent.	tional develops ed and students	nent of the	e ora ore t	l and p he soc	erioral s	tructures.	
Grading	Mid-term	50%	☐ Project			uizzes			
	Final	50%	☐ Lab		Pa	rticipa	ation		
i. Proffit, Fields & Sarver. Contemporary Orthodontics, 5th edition. 2012. Mosby/Elsevier. Reference Book:									

Course Name	Ethical and Professional Practice Year 3: Doctor-Patient Relationship				الممارسة المهنية والاخلاقية: علاقة الطبيب بالمريض					
Course Information	Course Code	CRN		Credit Hours	Contact Hours	Le	Lecture Lab			Total
imormation	3401208	47108		1	liours		1	0		1
Track	☐ University Re	equirement	C	ollege Re	quiremen	ent Core Elective				
Level	3 rd Semester				Prerequisite Completion of Se					econd
Course Descri	ption:									
decision-makir dentist-patient dental practitio	boundaries, patient autonomy and informed consent as they relate to treatment planning, clinical decision-making, and professional judgment. Students analyze cases depicting ethical dilemmas dentist-patient relationships and interactions. Professional roles and societal responsibilities of the dental practitioner are explored.							nmas in of the		
Grading	Mid-term			Project	30%		uizzes		10%	⁄ o
Textbook:	Final	60%		Lab		Pa	articipa	tion		
i. Rule and Veach. Ethical Questions in Dentistry. 2nd edition. 2007. Quintessence. ii. Ozar and Sokal. Ethics at Chairside: Professional Principles and Practical Applications. 2nd edition. 2001. Georgetown University Press. Reference Book:										

Course Name	Foundations of Re	storative Dent	، طب الاسنان الترميمي (يشمل علم النخر السني إد الحيوية)						
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total		
	3401209	47109	4		2	5	7		
Track	☐ University Re	quirement	College Re	e Requirement Core Elective					
Level	3 rd Semester			Prerequisite Completion of Secon Year					
Course Descri	iption:								
Continuation;	see previous course	e description							
Grading	Mid-term	20%	☐ Project		Quizzes				
	Final	20%	E Lab	50%	Participa	10%			
Textbook:									
	bbins and Schwart edition. 2006. Qui		itals of Operati	ve Dentis	try: A Cont	empora	ary		
ii. Heymann, S	wift, Ritter. Sturde		Science of Op	erative D	entistry. 6tl	n editio	on. 2013.		
Mosby.	Calcagnahi Craia	a Dogtomativy	a Matariala 12:	th adition	2012 Elas				
iii. Powers and Sakaguchi. Craig's Restorative Materials. 13th edition. 2012. Elsevier.									
Reference Boo	Reference Book:								

Course Name	Foundations of Pro	osthodontic T	reatment	اسس طب الاسنان التعويضي (يشمل متحرك، ثابت، تعويضات كاملة، زرعات سنية، مواد حيوية)					
Course Information	Course Code	CRN	Credit Hours	Contact Hours	Lecture	Lab	Total		
	3401210	47110	4		2	5	7		
Track	☐ University Re	quirement	College Re	Requirement Core Electiv					
Level	3 rd Semester Prerequisite Completion of Sec Year								
Course Descri	ption:								
Continuation; s	see previous course	e description	ı						
Grading	Mid-term	10%	Project	25%	Quizzes				
	Final	15%	Lab	45%	Participa	ation 5%	6		
Textbook:									
i. Shillingburg,	et al. Fundamenta	lls of Fixed I	Prosthodontics.	4th editio	on. 2012. Q	uintessenc	e.		
Reference Boo	ok:								