# King Khalid University College of Dentistry

Students Handbook 1443-1444 H / 2022-2023 G Code: AQM\_08(1)





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# Message from the Dean

I thank Allah for the blessing of Islam and his security and protection over us all.

King Khalid University College of Dentistry strives to achieve its vision and mission in teaching and training to ensure a bright future for our graduates. We have to date achieved many of our objectives and strive to become one of the best dental schools in the Kingdom. We have established a very robust teaching and training curriculum with an innovative evaluation and assessment system. We encourage the use of new technologies and innovations in dental education are continually restructure sections of the dental program. The College of Dentistry has established a quality unit as an integral part of the dental program.



The College is proud of the collective achievement of its students (male and female), faculty members, and administrators. We appreciate the support of various Deanships, administrations, and units of the university that have collaborated with us to attain our goals. We have graduated dentists who are currently making their contributions in various health and academic sectors at the national and international levels.

The College has made vital contributions in providing general and specialized treatment services to our community. Utilitarian scientific research is also a top achievement of the College. This contribution is reflected in the various publications in indexed journals of our students, interns, and faculty. We support funded research, establishing the Collaborative Center for Maxillofacial Research and Treatment Modalities, funded by the Ministry of Higher Education.

I thank everyone who has genuinely contributed to the welfare of our students and helped to prepare them for service to the community and the nation at large. We still have higher ambitions to continue moving ahead towards much greater success.

**Professor Mohammed Ali Alqarny** 

# Chapter I

### I. Welcome Message



Based on the recommendation of the King Khalid University Board, the Supreme Council of Higher Education issued its approval on 4/2/2001G-Gregorian Calendar (10/11/1421 H- Hijra, Arabic Calendar) for the establishment of a Dental College at King Khalid University. This is the very first of its kind in the southern region of Saudi Arabia. A Royal Consent ratified this approval in 2001 G (1422 H), and accordingly, the college admitted its first batch of male dental students during the academic year 2003/2004G (1424-1425 H). In line with the rapid development strategy of King Khalid University (KKU), the college admitted its first batch of female dental students in the academic year 2009/2010 G (1430/1431 H) at Al-Samer campus, Abha. KKU College of Dentistry collaborates with other Saudi Dental Colleges in exchange of knowledge and expertise to upgrade dental education in the Kingdom. The college is a member of the Saudi Dental College

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Deans' Committee. This committee meets twice a year to discuss issues related to dental education in the Kingdom of Saudi Arabia.

The college is committed to applying quality control procedures in all of its academic and service sectors. The college has signed agreements and service contracts with some international universities with expertise in academics. The college is continuously updating its website in Arabic and English to facilitate internal and external communication.

The College of Dentistry at the KKU cooperates with other Saudi Dental Colleges by exchanging knowledge and expertise to improve dental education in the Colleges. The College is a member of the Saudi Dental Deans' Council, which meets biannually to discuss matters related to the promotion of Dental Education in the Kingdom of Saudi Arabia.

The University guarantees equal opportunity for admission, education, and sponsorships to eligible students irrespective of their region, race, gender, color, tribal origin, and non-disqualifying disability. All decisions, including those related to employment, academic freedom, ethical conduct, and grievances, are decided on the principles of justice, consultation and equality.

The faculty is entitled to freedom in the classroom discussing his/her subject and entitled to full freedom of approved research and publication of results. The faculty should be careful not to introduce controversial teaching matters, which are irrelevant to the subject. The students should not engage in any activity for monetary returns without the approval of the university.

#### I.I Vision

To be a distinguished center for undergraduate and graduate studies and research, nationally and internationally.

#### I.2 Mission

Excel in training students, performing, and supporting advanced research, organizing and conducting broad-based community outreach programs, and providing quality oral health care.

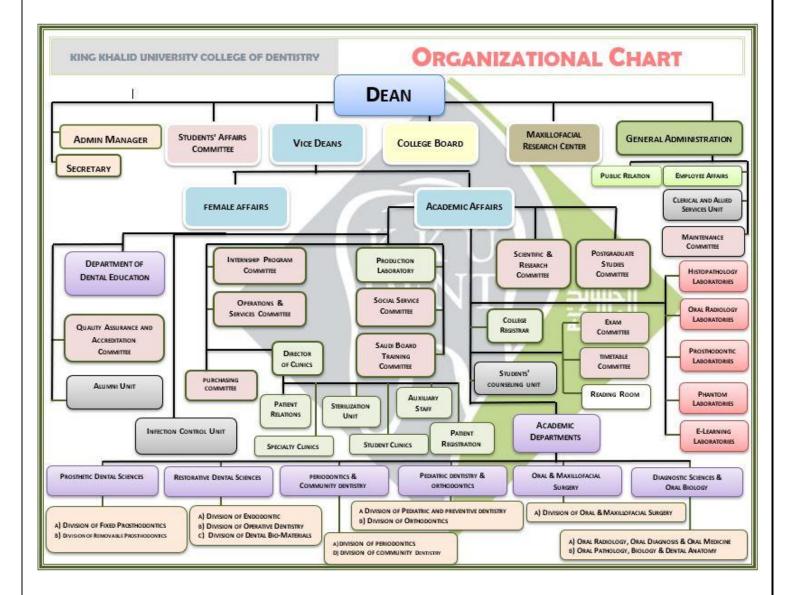
#### Goals

- 1. To produce general dentists and specialists who fulfil national requirements.
- 2. To establish the College as a major center for advanced oral health research.
- 3. To promote an effective and broad-based community oral health program.
- 4. To provide comprehensive dental care in the region.

#### I.3 Program Objectives

- I. To provide an undergraduate program that is comprehensive and reviewed periodically
- 2. To utilize a structured evaluation and assessment system for student performance and curriculum competencies
- 3. To appoint and retain qualified faculty
- 4. To expedite student, intern, and faculty research.
- 5. To increase the number of research publications in peer-reviewed and indexed journals
- 6. To engage students, interns, and faculty in outreach programs
- 7. To organize dental health education programs in schools, social centers, rehabilitation centers, and the community at large
- 8. To operate and maintain dental care facilities and equipment
- 9. To provide state of the art dental services in Intern and Specialty clinics

# 2. College Organization Chart



# 3. Contacts

#### Dean

#### Prof. Mohammed AlQarni

Tel : +966 17 2417373 Office : +966 17 2418005 Fax : +966 17 2418197 Email: maalqarny@kku.edu.sa

### Vice Dean

Dr. Adel Saeed Alobaid Email: aalobaid@kku.edu.sa

#### Vice Dean for Postgraduate Studies and Research

#### Dr. Nasser AlQahtani

Email: nmalqahtani@kku.edu.sa

# Vice Dean for Female Student Affairs

Dr. Ghadeer Saleh Alwadai Email: gsalwadai@kku.edu.sa

# **Postal Address**

King Khalid University, College of Dentistry New University Campus in Graiger P.O. Box 3263 Abha 61471 Kingdom of Saudi Arabia Email: dentistry@kku.edu.sa Website: http://dent.kku.edu.sa/

# 4. Department Chairmen and Administration

#### 1. Oral and Maxillofacial Surgery (OMS)

Dr. Nasser AlQahtani

Email: nmalqahtani@kku.edu.sa

#### 2. Substitutive Dental Sciences (Prosthetic Dentistry (SDS)

Dr. Nasser AlQahtani

Email: nmalqahtani@kku.edu.sa

#### 3. Restorative Dental Sciences (RDS)

Dr. Youssef Al Garni

Email: yalgarni@kku.edu.sa

#### 4. Pediatric Dentistry and Orthodontics Sciences (POS)

Dr. Mohammed Almaqboul

Email: malmaqbol@kku.edu.sa

#### 5. Periodontics & Community Dental Sciences (PCS)

Dr. Saad AlQahtani Email: s.alqahtani@kku.edu.sa

#### 6. Diagnostic Sciences & Oral Biology (DDS)

Dr. Abudllah Alqarni

Email: aawan@kku.edu.sa

#### 7. Dental Education (DDE)

Dr. Zuhair AlKahtani Email: zmalqhtany@kku.edu.sa

#### 8. Clinical Director

Dr. Hussain Almubarak Email: hualmubarak@kku.edu.sa

#### 9. Student Counselling Unit Head

Dr. Manae Alahmary

Email: mamoalahmari@kku.edu.sa

#### **10.** College Registrar

Dr. Abdel-Naser Soliman

Email: asouliman@kku.edu.sa

#### **11.** Administration Director

Mr. Turki AlMubarak Email: maalsaad@kku.edu.sa

# 5. Dental Specialties and Faculty

# 5.1 Department of Oral and Maxillofacial Surgery (OMS)

Specializes in the diagnosis and surgical treatment of diseases, injuries, and defects affecting the mouth, jaws, face, neck, and associated structures.

Dept. of Oral & Maxillofacial Surgery		
Dr Nasser Alqahtani (Chairman)	nmalqahtani@kku.edu.sa	
Dr Mohammad Zahir Kota	mqota@kku.edu.sa	
Dr Mohammed Ibrahim	mafdel@kku.edu.sa	
Dr Fawaz Abdul Hamid Baig	fbik@kku.edu.sa	
Dr Mutassim Elnager	maalnager@kku.edu.sa	
Dr Abosofyan Salih	amohamedsalih@kku.edu	
Dr Samuel Ebele Udeabor	seudeabor@kku.edu.sa	
Dr Mohamed Ashfaq	mishfaq@kku.edu.sa	
Dr Sulphi Abdul Basheer	subasheer@kku.edu.sa	
Dr Onwuka Chidozie	conwuka@kku.edu.sa	
Dr Imran Khalid	imajid@kku.edu.sa	
Dr Shah Shahi Jahan	shshah@kku.edu.sa	
Dr AbdulAhad Ghaffar Khan	abahkhan@kku.edu.sa	
Dr Mashail M Hamid	mhamid@kku.edu.sa	

### 5.2 Department of Substitutive Dental Sciences-Prosthetic Dentistry (SDS)

Specializes in the diagnosis and rehabilitative treatment of dental and facial problems involving the restoration of missing tooth and jaw structures using removable and fixed appliances.

Dept. of Substitutive Dental Sciences (Prosthetic Dentistry)		
Dr Nasser Alqahtani (Chairman)	nmalqahtani@kku.edu.sa	
Dr Mohamed Alfarsi	mafarsi@kku.edu.sa	
Dr M Khaled Addas	maddas@kku.edu.sa	
Dr Adel Mustafa	aabdulmonem@kku.edu.sa	
Dr Satheesh B Haralur	sharlor@kku.edu.sa	
Dr Mohammad Zarbah	zrbah@lkku.edu.sa	
Dr Mansour Sheriff	msmostfa@kku.edu.sa	
Dr Hoda Lotfy Abouzeid	hlabozaid@kku.edu.sa	
Dr Waleed Alqahtani	wmalqahtani@kku.edu.sa	
Dr Saeed M. Alqahtani	smaalqahtani@kku.edu.sa	
Dr Saurabh Chaturvedi	survedi@kku.edu.sa	
Dr Asim Elsir Elmahdi	aealmahdi@lkku.edu.sa	
Dr Nasser M Alahmari	nmalahmari@kku.edu.sa	
Dr Abdul Razzaq Ahmed	aamoshtag@kku.edu.sa	
Dr. Ashfaq Yaqoob	apeerzede@kku.edu.sa	
Dr Ghazala Suleman	gsuleman@kku.edu.sa	
Dr Muhammad Haseeb Rana	mumuhammad@kku.edu.sa	
Dr Gotam Das	gmenghwar@kku.edu.sa	
Dr Talib Amin Naqash	tnaqsh@kku.edu.sa	
Dr Rania Sharif	<u>rsharif@lkku.edu.sa</u>	
Dr Robina Tasleem	<u>rkhattak@kku.edu.sa</u>	
Dr.Ibrahim Fehed Alsobaiee	alsbuay@lkku.edu.sa	
Dr Lujain Ibrahim Aldosari	lualdossari@kku.edu.sa	
Dr Thuraya Gadah	tghadah@kku.edu.sa	

Dr Saud Ali M Alqahtani saqahtani@kku.edu.sa

### 5.3 Department of Restorative Dental Sciences (RDS)

Operative dentistry – Specialty dealing with the diagnosis, treatment, and prognosis of defects of teeth that do not require direct and indirect fillings.

Endodontics – Specialty of dentistry concerned with diseases and injuries of the soft tissues inside a tooth (the dental pulp).

Dept. of Restorative Dental Science		
Dr Youssef Alqarni (Chairman)	yalgarni@kku.edu.sa	
Dr Mohammed Alqarni (Dean)	maalqarny@kku.edu.sa	
Dr Abdulaziz Abumelha	aabumelha@kku.edu.sa	
Dr Adel Al Obaid	aalobaid@kku.edu.sa	
Dr Nuha Saad Alghamdi	nalghamdi@kku.edu.sa	
Dr Mohammed Al Obaid	manaseer@kku.edu.sa	
Dr Nada Ahmed Alamoudi	naalamoudi@kku.edu.sa	
Dr Khalid Bedier	kmbder@kku.edu.sa	
Dr Wafaa Hassan	walajm@kku.edu.sa	
Dr Suhail Manzoor Baba	baba@kku.edu.sa	
Dr Ahmed Abdul Aziem	asaleh@kku.edu.sa	
Dr Ashraf Khalil	akhalil@kku.edu.sa	
Dr Mohamed Abdul Kader	msaheb@kku.edu.sa	
Dr Vinod Babu Mathew	vbmathew@kku.edu.sa	
Dr Mohamed Sibghatulla	msibghatullah@kku.edu.sa	
Dr Mohammed H. Al Wadei	moalwadai@kku.edu.sa	
Dr Shafait Khateeb	skhateeb@kku.edu.sa	
Dr Shashit Shetty B	sbavabeedu@kku.edu.sa	
Dr Suraj Arora	sprakask@kku.edu.sa	
Dr Ahmed Babiker	abmohamed@kku.sa	
Dr Shagufta Mir	shmir@kku.edu.sa	
Dr Ghadeer Alwadai	gsalwadai@kku.edu.sa	
Dr Amal Shiban	ashiban@kku.edu.sa	

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Dr Abdulelah S. Sindi	asindi@kku.edu.sa
Dr Shan Sainudeen	shan@kku.edu.sa
Dr Muhammad Qassim	mqali@kku.edu.sa
Dr Naif Aboghzalah	abokzalah@kku.edu.sa
Dr Ahmed Al Malwi	<u>aalmalwi@ku.edu.sa</u>
Dr Saleh Alqahtani	<u>ssofan@kku.edu.sa</u>
Dr Saeed Awad	<u>samhasan@kku.edu.sa</u>
Dr Ali Alsaeed	ayalsaeed@kku.edu.sa
Dr Mohamed Alamri	moabalamri@kku.edu.sa
Dr Faisal Alshehri	faljobairi@kku.edu.sa
Dr Ali Hussain Alfarhan	<u>ahalfarhan@kku.edu.sa</u>

#### 5.4 Department of Pediatric Dentistry and Orthodontics Sciences (POS)

Pediatric Dentistry - Specialty provides both primary and comprehensive preventive and therapeutic oral health care for infants and children through adolescence.

Orthodontics - The study of the growth and development of the jaws using fixed and removable appliances to correct the position of the teeth.

Dept. of Pediatric Dentistry & Orthodontics		
Dr Mohammed Almagbol (Chairman)	malmagbol@kku.edu.sa	
Dr Ibrahim Alshahrani	ishahrani@kku.edu.sa	
Dr Abdulaziz Alshahrani	abdulazizm@kku.edu.sa	
Dr Rafi Ahmad Togoo	ratogo@kku.edu.sa	
Dr Zuhair Alqahtani	zmalqhtany@kku.edu.sa	
Dr Salem Al Moammar	smalmoamr@kku.edu.sa	
Dr Abdullah Alnazeh	Aalnazh@kku.edu.sa	
Dr M Abdullah Kamran	mmuhammad@kku.edu.sa	
Dr Shaheen V.S	shaheenw@kku.edu.sa	
Dr Zakirulla Meer	tamer@kku.edu.sa	
Dr Syed M Yassin	syasen@kku.edu.sa	
Dr Malaz Mustafa	mmmostafa@kku.edu.sa	

Dr Tasneem Ain	tain@kku.edu.sa
Dr Faisal A Alqhtani	fabboud@kku.edu.sa
Dr Anshad M Abdulla	anshad@kku.edu.sa

### 5.5 Department of Diagnostic Dental Sciences & Oral Biology (DDS)

The specialty concerned with the compilation and study of the patient's dental history and a detailed clinical examination of the oral tissues and radiographs to assess oral health, with the object of developing a treatment plan.

Dept. of Diagnostic Sciences & Oral Biology		
Dr Abdullah Alqarni (Chairman)	aawan@kku.edu.sa	
Dr Khalil Ibrahim Assiri	alasery@kku.edu.sa	
Dr Hussain Al Mubarak	hualmubarak@kku.edu.sa	
Dr Abdul Nasser Soliman	asouliman@kku.edu.sa	
Dr Master Luqman	mluqman@kku.edu.sa	
Dr Mohammed Ajmal	drmajmal@kku.edu.sa	
Dr Mohammad Shahul	mhmead@kku.edu.sa	
Dr Ali Azhar	adwasaz@kku.edu.sa	
Dr Sayed Sadatullah	sasadat@kku.edu.sa	
Dr Mohammed Asif	mshaik@kku.edu.sa	
Dr Sultan Kaleem	skalem@kku.edu.sa	
Dr Saeed Arem	sareem@kku.edu.sa	
Dr Saeed Dalboh Assiri	sadelboh@kku.edu.sa	
Dr Ali Misfer Alqahtani	al.alqahtani@kku.edu.sa	
Dr Tanveer Alam	talam@kku.edu.sa	
Dr Salma Abubaker Abbas	sabbas@kku.edu.sa	
Dr Sandeepa N.C	sendya@kku.edu.sa	
Dr Jagdish Hosmani	jhosmani@kku.edu.sa	
Dr Shaik Shamsudeen	sshahul@kku.edu.sa	

### 5.6 Department of Periodontics & Community Dental Sciences (PCS)

Periodontics - Specialty that deals with diseases of the supporting and investing structures of the teeth, including the gums, cementum, periodontal ligaments, and alveolar bone.

Community Dentistry - Specialty of dentistry concerned with preventive and diagnostic and treatment programs in a circumscribed population.

Dept. of Periodontics & Community Dental Sciences		
Dr Saad M Alqahtani (Chairman)	s.alqahtani@kku.edu.sa	
Dr Nabeeh Alqahtani	nabeehab@kku.edu.sa	
Dr Manae Musa Alahmri	mamoalahmari@kku.edu	
Dr Mukhatar Ahmed Javali	jmahmad@kku.edu.sa	
Dr Mohamed Fadul	mfdel@kku.edu.sa	
Dr Mohammed Almagbol	malmagbol@kku.edu.sa	
Dr Mohamed M AlAbdaly	malabdali@kku.edu.sa	
Dr Nagate Raghavendra	rnagati@kku.edu.sa	
Dr Shankar Gokhale	sgokhale@kku.edu.sa	
Dr Amel Ibrahim	aifarajallah@kku.edu.sa	
Dr Sheryas Tikare	tikane@kku.edu.sa	
Dr Jimly James K	kunjappu@kku.edu.sa	
Dr Alezi I. Eroje	aeroje@kku.edu.sa	
Dr Mohasin Abdul Khader	mabdulqader@kku.edu.sa	
Dr Weam Sharif	wibrahim@kku.edu.sa	
Dr Shahabe Saquib Abullais	sshahabe@kku.edu.sa	
Dr Ali Fahad Alqahtani	aaljabbar@kku.edu.sa	
Dr Ahmed Albarqi	aaalbarqi@kku.edu.sa	
Dr Ghadah Khalid Bahmdan	ghbahamdan@kku.edu.sa	
Dr Abdulmajed Almoadi	aal-moadi@kku.edu.sa	
Dr Abdullah Barkat Alqarni	asbrkat@kku.edu.sa	

# 6. Academic Program

The Bachelor of Dental Surgery (BDS) is a six-year academic program with an additional mandatory year for internship training. By the end of this program, students acquire the concepts, essential knowledge, skills and attitudes required for the successful practice of dentistry.

Our BDS program is delivered with contributions from specific departments based in the Colleges of Medicine and Pharmacy.

The first year is devoted to studying English Language, Chemistry, Physics, Zoology, the Principles of Statistics and University requirements, namely Arabic and Islamic studies, taught by the concerned colleges.

The following tables show core courses for the BDS program.

# First Academic Year

Course		Credit	(Theory + Clinic/Practical
Code	Title	Hours	)
Arab 201	Arabic Language	2	(2 + 0)
Eng 019	English Language	6	(0 + 6)
lsi i i i	Islamic Culture (I)	2	(2 + 0)
	Total		10

#### Level I

Level	2
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Course		Credit	(Theory + Clinic/Practic
Code	Title	Hours	al)
Chem 110	Inorganic Chemistry	2	(  +  )
Chem III	Organic Chemistry	3	(2 + 1)
Physic 102	Physics	4	(3 + 1)
Stat 141	Principles of Statistics	I	(1 + 0)
Zoo 105	Zoology	4	(3 + 1)
	Total	I	4

# Second Academic Year

#### Level 3

Course		Credit	(Theory + Clinic/Practica
Code	Title	Hours	I)
lsl     2	Islamic Culture (2)	2	(2 + 0)
Anat 223	Anatomy (I)	5	(3 + 2)
Bioch 224	Biochemistry (I)	3	(2 + 1)
Physl 224	Physiology (1)	4	(3 + 1)
PDS 211	Introduction to Dentistry & Behavioral Science	2	(2 + 0)
RDS 231	Dental Anatomy & Principles of Operative Dentistry (1)	2	(  +  )
Total		18	

Level 4
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Course		Credit	(Theory +
Code	Title	Hours	Clinic/Practical)
Arab 202	Arabic History	2	(2 + 0)
lsl     3	Islamic Culture (3)	2	(2 + 0)
Anat 224	Anatomy (2)	4	(2 + 2)
Bioch 225	Biochemistry (2)	3	(2 + 1)
Physl 225	Physiology (2)	4	(3 + 1)
RDS 221	Basic Dental Materials	I	(1 + 0)
RDS 232	Dental Anatomy & Principles of Operative Dentistry (2)	2	(  +  )
Total		18	

# Third Academic Year

#### Level 5

	Course	Credit	(Theory +	
Code	Title	Hours	Clinic/Practical)	
Micro 334	Microbiology	3	(2 + 1)	
Path 332	General Pathology	3	(2 + 1)	
MDS 312	Oral Histology	3	(2 + 1)	
MDS 341	Surgical Anatomy & Local Anesthesia	2	(2 + 0)	
RDS 322	Dental Biomaterials	2	(2 + 0)	
RDS 333	Pre-Clinical Operative Dentistry (1)	3	(1 + 2)	
SDS 311	Pre-Clinical Removable Prosthesis (1)	3	(1 + 2)	
	Total	19		

Level 6
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Course		Credit	(Theory + Clinic/Practic
Code	Title	Hours	al)
Pharm 315	Dental Pharmacology	3	(3 + 0)
MDS 311	Oral Pathology (I)	2	(  +  )
MDS 331	Physics of Diagnostic Oral Radiology & Oral & Maxillo-Facial Radiology (1)	4	(2 + 2)
MDS 332	Oral Diagnosis (1)	2	(  +  )
MDS 342	Applied Surgical Anatomy & Exodontia	2	(  +  )
PDS 312	Preventive Dentistry	I	(1 + 0)
RDS 334	Pre-Clinical Operative Dentistry (2)	3	(1 + 2)
SDS 312	Pre-Clinical Removable Prosthesis (2)	3	(1 + 2)
	Total	20	

# Fourth Academic Year

#### Level 7

Course		Credit	(Theory +
Code	Title	Hours	Clinic/Practical)
Med 412	Cardio-Pulmonary Resuscitation	I	(1 + 0)
MDS 413	Oral Pathology (2)	2	(  +  )
MDS 433	Oral Diagnosis (2)	2	(  +  )
MDS 434	Oral & Maxillo-Facial Radiology (2)	2	(  +  )
MDS 442	Oral Surgery and General Practice	4	(2 + 2)
SDS 413	Pre-Clinical Fixed Prosthodontics (1)	3	(1 + 2)
SDS 415	Clinical Removable Prosthodontics (1)	3	(1 + 2)
	Total	17	

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Level	8
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Course		Credit Hours	(Theory + Clinic/Practica	
Code	Title		I)	
PDS 421	Pre-Clinical Pedodontics	2	(  +  )	
PDS 441	Periodontics	4	(2 + 2)	
RDS 411	Pre-Clinical Endodontics	4	(2 + 2)	
RDS 435	Clinical Operative Dentistry (1)	3	(1 + 2)	
SDS 414	Pre-Clinical Fixed Prosthodontics (2)	3	(1 + 2)	
SDS 416	Clinical Removable Prosthodontics (2)	3	(1 + 2)	
	Total	19		

# Fifth Academic Year

Level 9

	Course Credit Hours		(Theory + Clinic/Practica
Code	Title		I)
lsl     4	Islamic Culture (4)	2	(2 + 0)
Micro 535	Clinical Microbiology	I	(1 + 0)
Surg 514	General Surgery for Dentistry	2	(2 + 0)
PDS 522	Clinical Pedodontics	4	(2 + 2)
PDS 531	Pre-Clinical Orthodontics	4	(  + 3)
PDS 542	Clinical Periodontics (1)	2	(  +  )
RDS 512	Clinical Endodontics	2	(0 + 2)
SDS 518	Clinical Removable Prosthodontics (3)	3	(1 + 2)
	Total	20	

Level		0
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Course		Credit Hours	(Theory + Clinic/Practical
Code	Title		)
Med 534	General Medicine	2	(2 + 0)
MDS 521	Oral Medicine	2	(  +  )
MDS 543	Oral Surgery	3	(1 + 2)
PDS 543	Clinical Periodontics (2)	2	(  +  )
RDS 536	Clinical Operative Dentistry (2)	3	(1 + 2)
SDS 517	Clinical Fixed Prosthodontics (1)	4	(1 + 3)
	Total	16	

# Sixth Academic Year

#### Level I I

Course		Credit Hours	(Theory +
Code	Name		Clinic/Practical)
PDS 613	Community Dentistry	3	(1 + 2)
PDS 632	Clinical Orthodontics	I	(0 + 1)
RDS 641	Advanced Clinical Dentistry (1)	5	(1 + 4)
SDS 619	Clinical Fixed Prosthodontics (2)	2	(0 + 2)
Total			

Level 12	2
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Course		Credit Hours	(Theory +
Code	Title		Clinic/Practical)
MDS 622	Advanced Patient Treatment	2	(  +  )
PDS 623	Advanced Clinical Pedodontics	2	(0 + 2)
SDS 621	Advanced Prosthodontics	3	(1 + 2)
SDS 631	Advanced Clinical Dentistry (2)	5	(  + 4)
Total		12	

# Chapter 7 7. Services Provided to Students at KKUCOD

The total number of enrolled male and female students in the College has reached 1130 and 610 by the end of semester 2 of 2019-20. Approximately 100 students undergo the Internship Training Program over the two semesters of each academic year.

#### 7.1 Student Council, Advisory Committee & Academic Advisor

#### 7.1.1 Student Council

Students of each level elect a colleague to represent them in the Council. It is chaired by the College Dean and has Vice Dean, Heads of Departments, Labs., and Clinic Directors and College Registrar as members. The elected students participate in monthly meetings with senior administration and speak on behalf of the student body and the council discusses pertinent issues related to students. This council aims also to provide students with chances to advance their leadership, communication, and problem-solving abilities.

#### 7.1.2 Students Advisory Committee

This committee is chaired by the Vice Dean and consists of all academic advisors and college registrar. It discusses and follows up all academic, social, and personal matters concerning students raised by academic advisors. Recently, the unit has been renovated and a reselection of members has been implemented.

#### 7.1.3 Academic Advisors

Academic advising is an essential element of the educational process. Therefore, following the KKU academic regulations, the teaching staff is appointed to supervise a group of students. Academic advisors can help students in selecting their course of study and in planning their schedules. However, students are responsible for selecting their courses, meeting course prerequisites, and adhering to university policies and procedures. The advisor's role is to monitor students' progress and provide counseling and to assist the student in obtaining a well-balanced education and in interpreting university policies and procedures. Students may also consult faculty, department or program chairs, program coordinators, and deans. The students can communicate the academic advisor through the KKU Academia portal and register their requests or complaints.

#### 7.1.4 Academic Office

The Academic office is responsible for students' registration, managing course enrollment, uploading teaching timetable on the academic program of KKU, scheduling and announcing final exams timetables. The academic office also monitors students' attendance and uploading of results, maintaining student records, providing official papers, such as transcripts, updating students' data, and keeping track of academic and administrative policies.

Prior to the start of the semester, students are informed about registration procedures, course times and locations, instructors, and prerequisites and requirements.

#### 7.2 Students' Grievance: Regulations and Procedures

#### 7.2.1 Grievance Regulations:

- I. All grievance applications are considered highly confidential documents.
- The student has the right to object on his/her marks or degrees to the college dean or the subcommittee's chairman via (form number 1) and then the request shall be directed to the subcommittee.
- 3. The grievance application should not exceed 15 days after the incident and shall not be accepted beyond the mentioned period.
- 4. The academic record of the student should be attached to form I.
- 5. The grievance application shall be accepted in the following cases: A. In cases of marked and significant difference between the student's marks in the specified course and the rest of the courses. B. In case 50% of the students complained about a communal grievance in regard to the specified course.
- 6. The committee has the right to reject the grievance application if proven to be invalid or incorrect. Or in case of previous rejected grievance cases for the same student. The rejection decision has to be justified as well.
- 7. In case of rejection, the subcommittee admits to inform the student about the rejection justifications electronically.
- 8. In case the grievance application is approved, the subcommittee admits to inform the course coordinator to reconsider the student's marks.
- 9. The course coordinator should admit to reply back regarding the grievance application he received in a period of maximum one week upon receiving.

- 10. The subcommittee has the right to ask three faculty members from the same specialty and take in consideration the average of their evaluation in the following cases: A. A suspicion of conflict of interest between the student and the course coordinator. B. The course coordinator fails to reply within the specified period. C. Failure to reach or contact the course coordinator for any reason. D. If the course coordinator refuses to reconsider the student's marks without reasonable justifications.
- The student has the right to apply for removal of any academic or academic penalties he/she believed occurred to him unfairly via form number 1.
- 12. The subcommittee has the right to impose penalties on the student if it is proven that the complaint is malicious.
- 13. The subcommittee admits to inform the student about his grievance application in maximum 30 days upon his application and he should be informed about his right to appeal to the supreme committee.
- 14. Appeals should be applied via form number 2.
- 15. Appeals to the supreme committee should be applied for in maximum 15 days upon receiving the decision of the subcommittee and the student has no right if the period exceeds the mentioned period.
- 16. In case an appeal request was raised by the student to the supreme committee, the decision of the subcommittee will be considered pending till the supreme committee decides on the appeal.
- 17. Official holidays are not counted within the mentioned periods.
- 18. The person complained against is not allowed to attend any of the decisive meetings.

#### 7.2.2 Grievance Procedures:

- 1. The student should submit the grievance application to the figure in charge to receive such **applications**, e.g. college level or deanship level.
- 2. In case the grievance application is against the figure in charge himself, the application should be submitted to the unit's chairman.
- 3. The grievance application should be officially documented, and the student should be informed about the reply date.
- 4. The figure in charge should then submit the application to the specified college, deanship or related party according to the rules and regulations specified above.

- 5. The procedures stated in form 3 should then be followed accordingly.
- 6. The student should be informed in a written form about the result his/ her grievance application and he/she should sign upon receiving the result.

#### 7.2.3 Notes:

- I. The university council approves these regulations and related articles.
- 2. In cases not specified in these regulations, the regulations of the higher education and universities system shall be applied.
- 3. These regulations are considered active from the date of approval by the university council.
- 4. The university council has the right to thoroughly explain the articles of these regulations.
- 5. The official forms that shall be used by the students are attached below in the original document.

#### 7.3 Student Counselling

Based on the importance of student guidance and counseling programs, King Khalid University (Deanship of Student Affairs: https://sa.kku.edu.sa/ar/content/154) is keen to provide distinguished counseling services to students according to their educational, psychological, and professional needs and also offers services to students with special needs.

The Center for Guidance and Counseling has been established to provide guidance programs in religious, social, ethical, career, psychological, educational, and special needs areas. Throughout the academic year, the unit aims to recognize the students' needs, their individual differences, and their development demands, and working to meet them, and enlightening the university environment and the local community with that.

The Guidance Center ensures that complete confidentiality, honesty, and credibility is maintained. The counseling is of high quality and transparent. Furthermore, the center conducts research and studies to help supervisors and regularly issues report and bulletins. It also conducts general programs, lectures, workshops, and training courses for male and female students. The center also receives cases transferred from colleges.

### 7.4 Areas of guidance provided by the Center for Guidance and Counseling:

#### 7.4.1 Religious guidance

- The center helps the students to achieve mental health and psychological compatibility by strengthening the moral system, which is the essence of Islam that makes them feel reassured and inculcates patience, honesty, tolerance, kindness, and confidentiality.
- It hosts renowned academics and speakers to share Islamic ideas that can assist students in overcoming challenges and obstacles.

#### 7.4.2 Preemptive guidance

- This aspect aims to achieve the principles of preventive counseling in the health, educational, psychological and social aspects,
- It works to develop faith values among students and build their immunity against behavioral and intellectual deviations such as smoking, drugs, fanaticism and extremism of all kinds, in coordination with the relevant stakeholders at the university.
- It hosts activities to increase public awareness of the dangers of certain behaviors (such as smoking and using drugs) and invites organizations dedicated to assisting people in quitting addiction.

#### 7.4.3 Social counseling

- This Service provides support for students' emotional and psychological wellbeing as well as helping students in building positive social relations with their community and building successful responses to the problems encountered in different situations.
- It also provides students with the necessary social skills and enhances their role in contributing to community service and development.
- It aims to list orphan students, children of prisoners, and students with financial needs and provide them with the necessary care and services.
- It also motivates those students to participate effectively in various activities inside and outside the university.

#### 7.4.4 Career Guidance

- The career guidance services support the academic mission of KKU by providing students with group and individual guidance sessions in areas of personal growth and career development.
- The unit assists students in adaptation to university life in general and in making a seamless and successful transition from their experience in higher education to life after graduation.
- It works to develop positive professional attitudes among students and introduce them to educational opportunities in accordance with their tendencies, aptitudes, attitudes, the need for development in society and the requirements of the labor market.
- It participates in discovering and taking care of students with professional skills and abilities, in coordination with specialists, and Identifies students' ambitions and goals and prepare a plan to fulfill them.
- It holds events for the career day to provide information on job opportunities inside and outside the university, helping the students to make appropriate decisions for their career, and equipping them with job search skills suitable for their qualifications, and these events can be coordinated in cooperation with the college club as a joint activity.

#### 7.4.5 Psychological counseling

- The psychological counselling services help students to overcome their psychological problems and disorders and achieve a high level of mental health. It also studies the psychological cases and conditions (depression, anxiety, obsession, fear).
- It provides therapeutic services such as cognitive and psychological behavioral treatment by specialists in the center and the transfer of cases requiring physiological counseling or therapy in psychiatric clinics.
- It is also concerned with developing and enhancing the positive and normal behavioral characteristics of the student and addressing the negative behavioral aspects in the light of behavior modification strategies and rules for regulating behavior.

- It helps to motivate the students (especially new students) to adapt to the university environment and to form positive attitudes towards the university.
- It considers following-up and taking care of students and preparing them psychologically before and during periods of achievement tests.
- It acts on building distinguished professional relationships, coordination and integration with the administrative staff and faculty members according to the need and specialization,
- It works on conducting a comprehensive survey of the students' health, psychological, social and achievement conditions at the beginning of the academic year and identifying those who may need individual or group preventive services, especially new students.

#### 7.4.6 Educational Guidance

- The unit is dedicated to enhancing students' academic experiences by assisting them in overcoming obstacles in the academics. Students who experience challenges in their coursework would benefit from those services where their individual needs are addressed and a plan of action is outlined for them.
- Students are assisted in enhancing their mathematical and literacy, time management, and study skills through one-on-one or small-group tutorials. Peer tutoring or scheduling sessions with a qualified instructor may be used in these lessons.
- It lists the students who have failed to score a GPA more than 2.75 in their studies, and communicate with them and inform the advisory unit of the reasons for their academic failure and suggest ways to remedy that.
- It works on studying the level of academic achievement of students according to their categories (outstanding students, weak students, repeaters, and average achievers) and following up them to achieve the maximum degree that their abilities enable them to do in the light of the counseling services provided to them
- It aims to motivate the students towards learning, success and excellence, and raise the level of their ambition.

- It prepares the (Dean's) honorary lists for distinguished students in each academic year.
- It aims to find programs to support and promote talented and academically gifted students, according to specialization and college capabilities.

#### 7.4.7 Assist students with special needs

The services offered include:

- Participation in the early detection of various disabilities (sensory, mental, physical), chronic diseases, and other conditions in order to take the appropriate action in coordination with specialists in the center for people with special needs in the university, the counseling services unit, and hospitals, and introducing the university and local community to appropriate methods of dealing with these groups
- Creating all the proper conditions and environment to achieve educational, social, and psychological compatibility for students with special needs and work on the social integration of students by expanding their participation in all programs and community areas.
- Motivating those students to participate effectively in various activities inside and outside the university.

# 8. Teaching and Production Laboratories

The College of Dentistry at KKU has received full support from the University Administration to establish state-of-the-art laboratories.

#### 8.1 Oral Biology Laboratory

In the Oral Biology lab, there are now more options for students and trainees to conduct research. Interdisciplinary academics will be able to instruct students in fundamental scientific ideas at the undergraduate level.

Graduate students in oral biology can have a significant interest in researching novel issues related to the complex interrelationship between genetics, mouth health, and general health. They can carry out their work in the setting of a supportive, team-based, and multidisciplinary research environment that is overseen by an exceptional group of passionate academics who are committed to the advancement of their students as academic and industry scientists.

#### 8.2 Histopathology Laboratories

We handle and analyze the specimens of your patients utilizing cutting-edge technology and methods. Histopathologic examination of biopsies is our major emphasis. When necessary, we offer hematoxylin and eosin examination of soft and hard tissues as well as specific investigations including histochemistry, immunohistochemistry.

These labs are equipped with the most recent technology, making them capable of processing and analyzing biopsies of oral tissues. Students learn to diagnose various lesions using microscopes as part of their coursework.

#### 8.3 Oral Radiology Laboratories

There is one lab at the college with enough stations. Every station has an illumination box that may be used to analyze and trace radiographs as required. Panoramic Tomography systems, Intra-Oral X-ray machines, digital sensors, and processing units are all included in each lab's setup. Additionally, each lab contains a number of dummy heads for testing out various imaging angles.

#### 8.4 Prosthodontic Laboratories

For student training, the College features two prosthodontic laboratories with several workstations and plaster rooms. The laboratories provide all the tools needed to prepare students for all types of laboratory work in prosthodontics. Additionally, the computers and video projectors in the laboratories are linked to demonstration units.

#### 8.5 Endodontic Laboratory

Students get the chance to practice the treatment processes necessary to treat pulpal disease in the endodontic lab, which is an essential part of the curriculum. Along with the Endodontics Lectures, this lab will educate the student to give clinical endodontic therapy by having them conduct out simulated clinical procedures on removed and/or acrylic teeth.

#### 8.6 Production Laboratories

The college has one production laboratory which is used in the teaching of students as well as in the provision of services to patients. They are well equipped to manufacture prostheses out of a variety of materials including metal, ceramic, and acrylic. A CAD/CAM machine boosts the productivity, accuracy, and flexibility of all the services provided.

#### 8.7 Phantom Laboratories

The College of Dentistry has two phantom/ simulation laboratories with 100 phantom head units. Its purpose is to provide our students with the resources necessary for a contemporary preclinical education. In line with the requirements of various instructional scenarios, students will practice all dental operations on dental units that have been mounted on a mannequin that simulates a dental unit. Our students are able to simultaneously view practices and lectures given by our faculty, thanks to the technological cameras and sound systems that are installed on instructor and student tables in our simulation laboratory. Alternatively, our students can watch an educational video via records on their personal LCD monitors that are located on their personal phantom units.

As a consequence of this, when our students go on to their clinical education, they will have the knowledge and skill set required to successfully treat a patient in a clinical setting.

# 9. Dental Clinics & Patients' Services

There are 260 dental clinics within the College of Dentistry. Every single one of the 260 dental clinics will be outfitted with cutting-edge dental equipment, instruments, and technology to provide patients' treatment and preventive care that is unmatched and meets or surpasses all relevant international standards.

The following divisions have been made for the clinics: 25 intern clinics are located in the basement, 80–90 undergraduate clinics are located on the ground floor, including 28 clinics that are only open to Saudi Board students, 80–90 undergraduate clinics are located underground, and about 41 undergraduate clinics are located on the first floor.

With the use of cutting-edge technology and under the guidance of academics, Saudi Board Residents get practical training in a variety of dental specialties, including restorative dentistry, orthodontics, periodontics, prosthodontics, and endodontics.

The institution contains two operating rooms in the basement and six unique minor oral surgery clinics. Two implant clinics have been specifically recognized by the college. Dental implant treatment is taught to future dentists in the Implants division, which also provides patients with the best care possible. The clinic offers a comprehensive method for replacing missing teeth using implant dentistry.

The radiology unit provides a full range of imaging services in digital diagnostic oral and dental radiography for patients of the College of Dentistry. Resources include intraoral x-ray (36 units), 3D panoramic x-ray, and cone beam computed tomography (CBCT), as well as digital state-of-the-art cone beam imaging technology (2 units).

The following patient services are provided at KKUCOD clinics:

- Dental Diagnostic Services
- Treatment for Endodontic Emergencies
- Oral & maxillofacial Surgery
- Restorative treatments
- Periodontal treatments

- Root Canal Treatments
- Removable and fixed Prosthodontics
- Pediatric dental treatments
- Orthodontic services
- Community Dental Services

#### 9.1 Supporting Facilities

To provide efficient patient services several supporting units have been established as follows:

#### 9.2 Reception and Records

This section is responsible for receiving, registering, and scheduling appointments for patients. Currently, there are 28054 patients on record. Patient data are stored digitally, and their files are kept in an electronic filing system.

#### 9.3 Sterilization Unit

Installed in this unit is state-of-the-art sterilization equipment of the highest international standards. This accommodates the vast demands of patient care. Routine operations consider verifiable infection control measures, making sure patients, students and staff are well protected.

#### 9.4 Infection Control Unit

This unit is responsible for monitoring infection control procedures. The unit has a team that provides daily reports to the quality control division in the Department of Dental Education.

#### 9.5 Oral Radiology Unit

The oral radiology unit is equipped with a variety of the latest machines, including the following:

- Cone Beam Computed Tomography (CBCT) Unit
- Digital Panoramic X-ray machines.
- Analog Panoramic X-ray machine.
- Machines for intra-oral radiography.
- Mobile equipment for intraoral radiography.
- Digital intraoral X-ray sensors.
- X-ray film scanners.

- Fully automatic film processing units.
- Semi-automatic film processing units.
- Manual film processing units.

#### 9.6 Auxiliary Staff

The College of Dentistry has an efficient, well-trained auxiliary staff as follows:

#### 9.7 Dental Assistants

They help in providing efficient dental treatment by preparing the patient with drapes and eye shields. They pass instruments to dentists, and dental students carry out suctioning, for a clear field, during clinical procedures. It is also their responsibility to wash, pack and sterilize used instruments ready for subsequent usage. Operators can, therefore, focus more on providing treatment while assistants carry out the necessary but less demanding tasks, effectively becoming the operator's extra hands.

#### 9.8 Dental Laboratory Technicians

The College has a dedicated team of dental technicians who, with a written work order, produce dental appliances such as removable prostheses, including dentures, orthodontic appliances, and carry out other services such as denture repairs. Dental technicians manipulate precious metals and ceramics to produce custom-made fixed prostheses using new technologies like CAD/CAM.

#### 9.9 Oral Radiology Technicians

The College has efficient radiographers who utilize the latest oral radiography equipment to provide diagnostic tools for treatment planning and patient management.

#### 9.10 Patient Affairs and Dental Reports

Staff in this section facilitates communication between operators and patients – as the College recognizes the right of patients to demand and obtain a detailed description of their treatment on request.

#### 9.11 Maintenance

They are responsible for maintaining all equipment, including lab machines, dental units and X-ray units etc.

# 9.12 Cleaning and Waste Disposal

Cleaning and waste disposal staff keep all sections of the College tidy and clean. Biohazards are taken care of in the standard manner.

# 10 Internship Program

The internship at King Khalid University is a twelve-month program aimed at improving the knowledge and skills of intern trainees in general dentistry. With 28 male batches and 16 female batches, the program, continuous dental education lectures, hands-on workshops, research, and community projects are offered that help the trainee enhance their clinical skills, scientific writing, critical thinking, and problem-solving abilities. Also, the trainees are expected to provide high-quality dental services under the supervision of esteemed faculty in different dental specialties.

#### 10.1 Vision:

The program's vision is to facilitate the transition of dental trainees from supervised to independent workers capable of educating patients about oral health and performing a wide range of dental services based on scientific evidence with the best quality possible. During the internship, the viability of courses offered to intern trainees while they are undergraduates is continuously evaluated for structural improvements. The program expects the trainees to examine and diagnose cases requiring interdisciplinary planning and treatment as well as successfully communicate with different dental team members.

#### 10.2 Goals:

- Apply concepts and skills learned during undergraduate studies.
- Improve trainees' competency to perform clinical decision-making independently.
- Recognize the abilities and limitations to refer complex cases.
- Perform clinical and non-clinical skills such as presentation and communication.
- Motivate intern trainees to take part in research and community projects and pursue higher education.
- Enforce ethical dental practices.
- Properly communicate with the dental team, patients, and their relatives.

All College graduates must undergo a rotational 12-month internship program, including clinical and research training. Parts of this training can be carried out in other recognized dental centers in the Ministry of Health (MOH) and Military Hospitals. Interns are under the continuous

supervision of the College through its Internship Committee. Interns are evaluated at the end of each rotation using pre-designed evaluation forms. Satisfactory completion of this training program enables graduates to apply for a license to practice dentistry in the Kingdom.

The internship program aims to improve the clinical skills of newly graduated dentists, providing them with more confidence in dealing with different dental situations. Making interns aware of the basic rules and ethics of their profession is also a vital objective of the program. To serve the community, the internship program includes social services in disease prevention. Dental services – preventive and curative – are delivered to patients in remote villages and schools. Field researches to study important features of targeted populations is carried out during the period designated for community outreaches. Attending scientific conferences, seminars and participating in active discussions are stressed in the program. Interns are motivated and encouraged to continue updating their knowledge and skills throughout their professional careers.

The supervised internship research project constitutes a vital part of this program. Interns are familiarized with the latest research methodologies and shown how to deal with problems they are likely to face in their future research.



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