



جامعة حائل

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The Bachelor of Dental medicine & Surgery Program Guide

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KINGDOM OF SAUDI ARABIA



جامعة حائل
University of Ha'il



2020

Bachelor of Dental Medicine & Surgery (BDS) GUIDE

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Introduction

The Bachelor of dental medicine & surgery program was established after the approval of The Custodian of the Two Holy mosques King Abdullah bin Abdul-Aziz Al Saud -(May Allah have mercy on him) in 1432 AH.

A six-year program, the program commences with the first preparatory year (health field) in the preparatory college. Subsequently, the Dentistry program is followed by five years dedicated to the study of basic and advanced medical and dental courses of the dental medicine & surgery program. The student will conclude his / her academic year with a training year - internship for Excellence - the student exercises his clinical training in the types of dental and medical services

In the field of dentistry, after which the student receives a certificate of Bachelor of Den-tal Medicine & Surgery. The program plan includes 211 hours accrued between universi-ty requirements and general requirements of the specialty. The courses included in the program are approved by the university according to national and international quality systems.

The program is mainly providing the graduated students with different knowledge and skills, theoretical and practical experiences and professional values to deliver medical services and research for the community.

Program vision

The Bachelor of dental medicine & surgery Program (BDS) is a pioneer in achieving the highest standards of professional education and training in the field of dentistry according to the requirements of the work market at the national and international levels.

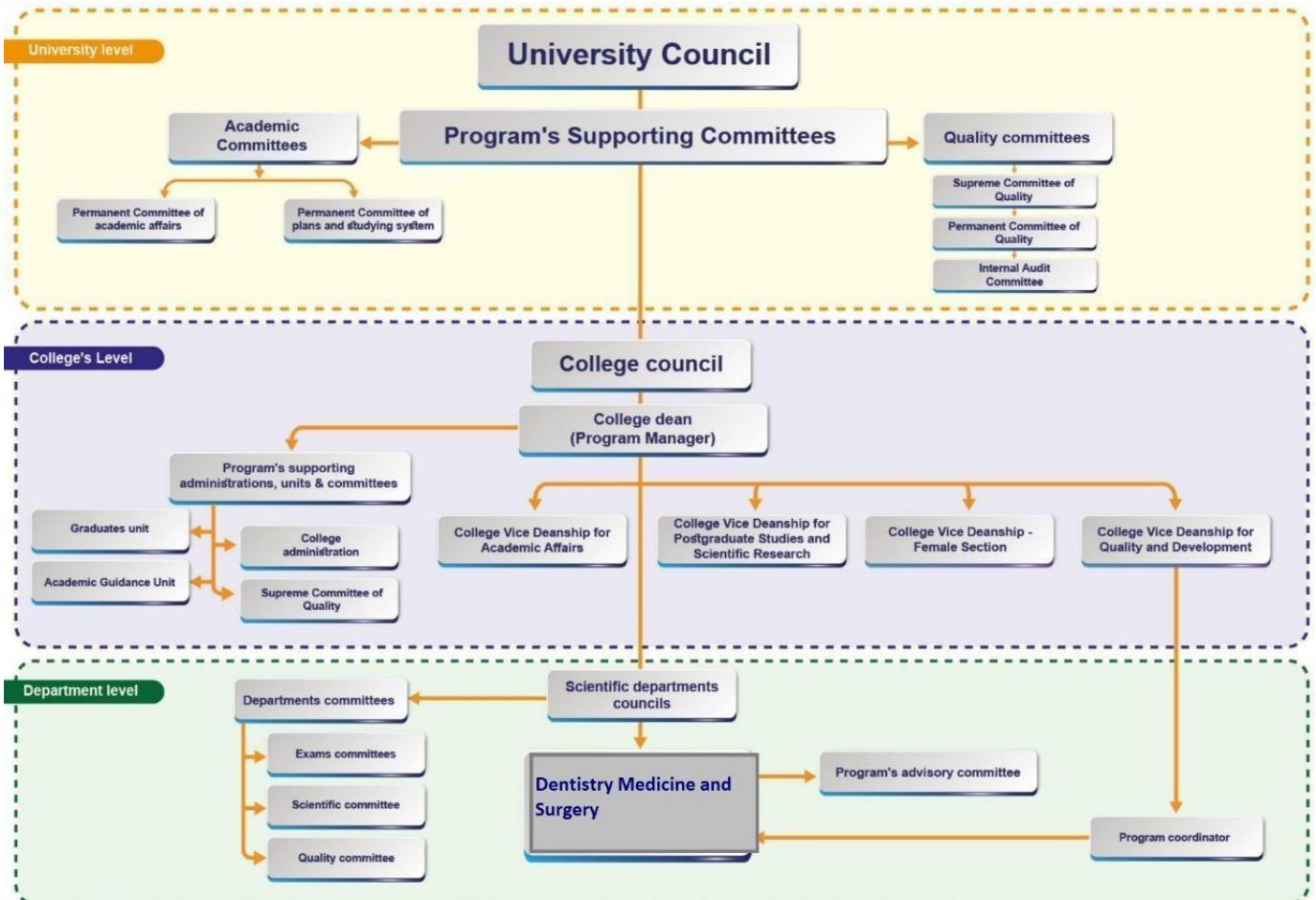
Program mission

Produce a scientifically and professionally distinguished competitive dentist with active contribution toward oral research and scientific professional programs and providing improved treatment services that fulfill societal needs based on ethical principles.

Program objectives

1. Prepare a professionally qualified graduate to be competent dental health care professionals.
2. Develop dental scientific research according to community development priorities.
3. Actively contribute to the discipline in the community through the provision of excellent oral health care treatments delivered to a diverse population.
4. Build students' capabilities for utilization of human, knowledge, skills and technical resources for continuously contribution in education programs and lifelong learning.

Organization chart of program



Admission requirements

GENERAL ENTRY REQUIREMENTS FROM UNIVERSITY OF HA'IL

1. The student should be a Saudi national / born to a Saudi mother.
2. The student should be a holder of Grade-12 certificate.
3. The student's Grade-12 certificate must be within 5 year validity.
4. The student must maintain good conduct.
5. Selecting major / specialization upon finishing preparatory year is subject to faculty rules & regulations.
6. All students who pass the health sciences preparatory year will be subjected to the selection process according to their grades accomplished in the preparatory year.

ENTRY REQUIREMENTS FOR DENTISTRY PROGRAM

1. Students must fulfill all the entry requirements for UOH.
2. Students must pass the health sciences preparatory year and submit to selection process (for dentistry program) by the Deanship of admissions & registrations (depending upon their GPA 3.5 & number of seats available).
3. Students should be declared medically fit & pass the acceptance interview.
4. Students should be proficient in English language with respect to reading, writing & speaking skills.

Graduation requirements

REQUIREMENTS FOR COMPLITION OF Bachelor of dental medicine & surgery PROGRAM

1. Students must complete and pass the theoretical and clinical requirements of Dentistry Program courses.
2. Students must spend a 12 months of the internship program with it relative requirements.

Academic reference standards of program

Bachelor of dental medicine & surgery graduate should be able to demonstrate sound knowledge and skills to be a qualified and effective member dental profession.

By the end of the Dental Surgery Program, the graduate should acquire the following skills:

1. Knowledge and Understanding

1. Recognize basic and evidence-based knowledge of all fields of dentistry.
2. Demonstrate knowledge of management of various clinical cases of dentistry and deal with dento-medical emergencies
3. Obtain and interpret patient data, followed by synthesizing and implementing a comprehensive diagnosis and treatment plan and referral plan to manage patients with various dental conditions properly.
4. Practicing oral/dental healthcare by advocating oral/dental health promotion and oral/dental disease prevention based on the Saudi healthcare system's principles for the benefit and wellbeing of individual patients, communities, and populations.

2. Skills

1. Apply appropriate communication skills (verbal and written) to interact with dental patients and their families and exchange information, professional knowledge, and experience with professional colleagues.
2. Demonstrate basic research skills by critically appraising the scientific literature related to dentistry and demonstrating the ability to integrate scientific research with clinical practice for optimum evidence-based oral/dental healthcare.

3. Values

1. Display of ethical, moral, and legal values in dental practice.
2. Demonstrate excellence in professionalism in dental practice by striking the correct balance between satisfying the patient's demands and maintaining professional standards of appropriate treatment.

Program intended learning outcomes (PLO's)

1. Knowledge and Understanding

- K1)** Describe anatomical, physiological, histological, and pathological features as well as the microbiological and biochemical composition of dent facial and related structures in health and disease.
- K2)** Explain the clinical and radiographic features for diagnosis and treatment of various conditions of dent facial and related structures.
- K3)** Recall the principles of Diagnosis, prevention and management of Medical and dental conditions, for comprehensive patient rehabilitation

2. Skills

- S1)** Develop critical thinking and reasoning skills based on the principles of fundamental Sciences for management plan of dental disorders.
- S2)** Elucidate the principles from scientific research and literature required to practice Evidence-based dentistry.
- S3)** Communicate effectively with patients, guardians and interdisciplinary teams using verbal and written communication skills for comprehensive dental care.
- S4)** Correlate between the normal and abnormal or facial structures and functions with the clinical and radiological features of oral and dental conditions in health and disease for appropriate management plan.
- S5)** Demonstrate hand-eye coordination skills for clinical examination, diagnosis, and treatment of different clinical, surgical, restorative and preventative procedures to restore normal form, function and esthetics in children and adults.
- S6)** Implement management strategies for individual and community health promotion with special emphasis on oral disease prevention

S7) Apply cognitive and information technology skills in problem-solving and clinical reasoning in academic and clinical dentistry settings

3. Values

- V1)** Adhere to the ethical, professional, and legal responsibilities in research and dental practice.
- V2)** Share collaborative teamwork and leadership values, with a responsibility to maintain professional competence.

Study plan of program

FIRST YEAR

FIRST SEMESTER					SECOND SEMESTER				
CODE	COURSE TITLE	CRED	LECT	LAB	CODE	COURSE TITLE	CRED	LECT	LAB
PENG 001	Prep English 1	3	20	0	PENG 003	Prep English 3	3	20	0
PENG 002	Prep English	3	20	0	PENG 008	Prep English 4	3	20	0
PBIO 121	Preparatory Biology	3	2	2	PCHM 121	Preparatory Chemistry	3	2	2
PCOS 001	Prep Computer Skills	2	2	0	PMDC 101	Medical Foundations	2	2	0
PCSK 001	Communication Skills	2	2	0					
PHYS 121	Medical Physics	3	2	2					
TOTAL (CREDIT)		16			TOTAL (CREDIT)		11		

SECOND YEAR

FIRST AND SECOND SEMESTERS							
CODE	COURSE TITLE	CRED	LECT	LAB	CLINICAL	PRE-REQUISITE	CO-REQUISITE
NAN 271	Biochemistry	7	3	4	0		NAN 273
NAN 272	General Anatomy	6	2	4	0		NAN 274
NAN 274	Physiology	6	2	4	0		NAN 272
NAN 273	General Histology	5	2	3	0		NAN 271
NAN 211	Dental Anatomy	4	1	3	0		NAN 214
NAN 214	Dental Biomaterials	2	2	0	0		NAN 211
IC 102	Islamic and society building	2	2	2 SEMISTER ONLY			
IC 101	Islamic and society building	2	2	1 SEMISTER ONLY			
ARAB 101	Arabic Composition	2	2	1 SEMISTER ONLY			
TOTAL CREDIT					36		

THIRD YEAR

FIRST AND SECOND SEMESTERS							
CODE	COURSE TITLE	CRED	LECT	LAB	CLINICAL	PRE-REQUISITE	CO-REQUISITE
NAN 381	General Pathology	5	2	3	0	NAN 273	NAN 323
NAN 375	Microbiology	4	2	2	0	NAN 272, NAN 273	NAN 312, NAN 313
NAN 376	Pharmacology	2	2	0	0	NAN 274	
NAN 312	Oral Histology	3	2	1	0	NAN 273	NAN 375
NAN 313	Oral Biology	2	2	0	0	NAN 273	NAN 375
NAN 323	Oral Radiology	5	2	3	0		NAN 381
NAN 351	Removable Prosthodontics	4	1	3	0	NAN 214	NAN 341
NAN 341	Operative Dentistry	6	2	4	0	NAN 211, NAN 214	NAN 351
ARAB 102	Arabic Composition	2	2	FIRST SEMISTER ONLY			
IC 103	Economic system in Islam	2	2	FIRST SEMISTER ONLY			
IC 104	Basics of political system	2	2	SECOND SEMISTER ONLY			
TOTAL CREDIT					37		

FOURTH YEAR

FIRST AND SECOND SEMESTERS							
CODE	COURSE TITLE	CRED	LECT	LAB	CLINICAL	PRE-REQUISITE	CO-REQUISITE
NAN 482	General Medicine	2	1	0	1	NAN 375, NAN 381	NAN 421
NAN 483	General Surgery	3	1	0	2	NAN 272	NAN 421
NAN 421	Oral Pathology	5	2	3	0	NAN 375, NAN 381	NAN 432
NAN 424	Oral Diagnosis	3	1	0	2	NAN 323, NAN 375	NAN 483
NAN 441	Operative Dentistry	4	1	0	3	NAN 341	NAN 442
NAN 451	Removable Prosthodontics	4	1	0	3	NAN 351	NAN 452
NAN 452	Fixed Prosthodontics	4	1	3	0	NAN 214, NAN 341	NAN 451
NAN 462	Pain Control	3	1	0	2	NAN 312, NAN 313, NAN 323	NAN 424
NAN 442	Endodontics	3	1	2	0	NAN 214, NAN 341	NAN 441
NAN 432	Periodontics	4	1	0	3	NAN 375	NAN 421
NAN 423	Introduction to Research Methodology & Biostatistics	2	2	0	0		
TOTAL CREDIT					37		

FIFTH YEAR

FIRST AND SECOND SEMESTERS							
CODE	COURSE TITLE	CRED	LECT	LAB	CLINICAL	PRE-REQUISITE	CO-REQUISITE
NAN 561	Oral and Maxillofacial Surgery	4	1	0	3	NAN 462	NAN 522
NAN 542	Endodontics	4	1	0	3	NAN 442	NAN 541
NAN 541	Operative Dentistry	4	1	0	3	NAN 441	NAN 542
NAN 531	Pedodontics	4	1	3	0	NAN 441, NAN 442	NAN 532
NAN 533	Orthodontics	3	1	2	0	NAN 323, NAN 375	NAN 531
NAN 552	Fixed Prosthodontics	4	1	0	3	NAN 452	NAN 551
NAN 522	Oral Medicine	3	1	0	2	NAN 424	NAN 561
NAN 532	Periodontics	4	1	0	3	NAN 432	NAN 531
NAN 551	Removable Prosthodontics	4	1	0	3	NAN 451	NAN 552
TOTAL CREDIT					34		

SIXTH YEAR

FIRST AND SECOND SEMESTERS							
CODE	COURSE TITLE	CRED	LECT	LAB	CLINICAL	PRE-REQUISITE	CO-REQUISITE
NAN 634	Oral and Dental Public Health	4	1	3	0	NAN 423	NAN 631
NAN 633	Orthodontics	4	1	0	3	NAN 533	NAN 631
NAN 631	Pedodontics	4	1	0	3	NAN 531	NAN 633
NAN 661	Oral and Maxillofacial Surgery	4	1	0	3	NAN 561	NAN 600
NAN 600	Comprehensive care clinics	24	4	0	20	NAN 541	NAN 661
TOTAL CREDIT					40		

TOTAL CREDIT HOURS = 211

Study Plan Framework

Requirements	Credits
1. University requirements	12
2. Faculty requirements	27
3. Department requirements	172
4. Free courses (from outside the faculty)	0
5.	211

Courses description

Second year

Course Title	Code/No	Credits			
General Histology	NAN 273	CRED	LECT	LAB	CLINICAL
		5	2	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course aims at enhancing study of the basic knowledge of macroscopic anatomy (morphology), general embryology and development of the face, neck and skull; and the microscopic anatomy (histology) for students of the college of dentistry. It is taught by the Department of Anatomy at the College of Medicine.					

Course Title	Code/No	Credits			
Biochemistry	NAN 271	CRED	LECT	LAB	CLINICAL
		7	3	4	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is designed to provide the dental students with an overview of the basic principles of biochemistry, with special attention to the biological structures in the oral cavity. Protein and blood biochemical properties are among the major topics discussed in this course.					

Course Title	Code/No	Credits			
Physiology	NAN 274	CRED	LECT	LAB	CLINICAL
		6	2	4	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)	Second semester (√)			
Course description: This course aims to provide students with the essential facts and concepts of Medical Physiology. The students are oriented on the normal functions of various parts of the body and their interrelation to maintain a homeostatic environment and how this will aid in the understanding of clinical practice. Students will also be trained to think independently and will be encouraged to integrate their knowledge in a clinical setting. This course is taught by the Department of Physiology at the College of Medicine . IN UOH					

Course Title	Code/No	Credits			
General anatomy	NAN 272	CRED	LECT	LAB	CLINICAL
		6	2	4	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)		Second semester (√)		
Course description: The course contents include anatomy Of the head and neck thorax, thoracic wall and diaphragm, thoracic cavity superior mediastinum, anterior mediastinum, middle mediastinum and heart, posterior mediastinum, pleura, lungs, osteology Of the thoracic wall, abdominal wall, abdominal muscles, back muscles, nervous system, cranial cavity and meningeas, central nervous system, cerebral hemispheres (forebrain, brain stem, cerebellum, spinal cord, cranial nerves, peripheral nerves, brachial plexus and lumbo-sacral plexuses.					

Course Title	Code/No	Credits			
Dental Biomaterials	NAN 214	CRED	LECT	LAB	CLINICAL
		2	2	0	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is meant to teach the student of dentistry aspects of materials science necessary to enable him/her to understand the basic physical, chemical and mechanical properties of dental materials as they relate to the clinical applications. In addition, students will be able to develop an appropriate understanding of the required criteria for the selection of materials for specific dental procedures.					

Course Title	Code/No	Credits			
Dental anatomy	NAN 211	CRED	LECT	LAB	CLINICAL
		4	1	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This is the first pre-clinical course that consists of one main component, Dental anatomy and tooth morphology. This course is provided during the second year of the BDS program. It is designed to provide the student with the basic elements of tooth morphology as an essential pre-requisite for other dental courses. The course comprises lectures and practical sessions. Using wax, students restore the missing coronal surfaces of complete tooth models by a wax carving technique. This is designed to reinforce the theoretical knowledge gained in the lectures, as well as contribute towards the development of manual dexterity, a skill which is essential in the practice of dentistry. Identification of natural tooth specimens forms a significant part of the practical component of the course.					

Course Title	Code/No	Credits			
Islam and society building	IC102	CRED	LECT	LAB	CLINICAL
		2	2	0	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)		Second semester ()		
Course description: This course out line has been compiled to meet the need of the students for reconstruction in Islamic society for strengthening the foundation of faith as well as face the challenge of modification helping in purification of thought and character building of students.					

Third year

Course Title	Code/No	Credits			
General Pathology	NAN 381	CRED	LECT	LAB	CLINICAL
		5	2	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course deals with the basic concepts of various disease processes relevant to the medical and dental students.					

Course Title	Code/No	Credits			
Microbiology	NAN 375	CRED	LECT	LAB	CLINICAL
		4	2	2	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is designed to provide the dental student with the required knowledge, both in theoretical and practical context, with microorganisms as agents of human disease with relevance to dentistry. The major topics covered in this course include fundamentals of immunology and host-parasite relationship, bacteria and human diseases, viruses and human diseases, fungi and human diseases, and introduction to the oral microbiology.					

Course Title	Code/No	Credits			
Pharmacology	NAN 376	CRED	LECT	LAB	CLINICAL
		2	2	0	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is concerned with the general principles in pharmacology including pharmacokinetics and pharmacodynamics and their significance in dental practice. The course gives emphasis on pharmacological actions and therapeutic applications of drugs used or implicated in dentistry. Topics include drugs affecting the autonomic nervous system, antimicrobial agents, and analgesics. A special focus is given for drugs used locally to treat hard and soft tissue ailments and for preparations used locally in the dental practice.					

Course Title	Code/No	Credits			
ORAL HISTOLOGY	NAN 312	CRED	LECT	LAB	CLINICAL
		3	2	1	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: It is a one-year course, given as a two-hour lecture followed by one-hour practical session in both in the 1st semester & 2nd semester of the same year. Oral Histology course comprises instructions in the principles of oral anatomy, embryology, and Histology. Oral histology covers development o face, oral cavity and related structures. is covered in this course. This course covers in detail the formation and structure of all the hard & soft tissues of the tooth; namely Enamel, Dentin, Pulp, Cementum & other Supporting tissues around teeth. In addition, this course also covers the supporting tissues of the teeth like periodontal ligament, alveolar bone, salivary glands and Maxillary sinus.					

Course Title	Code/No	Credits			
Pre-Clinical Operative Dentistry	NAN 341	CRED	LECT	LAB	CLINICAL
		6	2	4	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course comprises clinical simulation exercises and lectures. It introduces the student to the field of operative dentistry by describing various techniques of diagnosing carious lesions and giving a wide overview of the instruments and procedures used in the operative dentistry clinical settings The assessment in this course is mostly in the form of objective structured practical examinations (OSPE).					

Course Title	Code/No	Credits			
Oral Biology	NAN 313	CRED	LECT	LAB	CLINICAL
		2	2	0	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is designed to provide the student with the basic elements of tooth morphology as an essential pre-requisite for other dental courses. The course comprises lectures and clinical simulation sessions. Using wax, students restore the missing coronal surfaces of complete tooth models by a wax carving technique. This is designed to reinforce the theoretical knowledge gained in the lectures, as well as contribute towards the development of manual dexterity, a skill that is essential in the practice of dentistry. Identification of natural tooth specimens forms a significant part of the practical component of the course.					

Course Title	Code/No	Credits			
		CRED	LECT	LAB	CLINICAL
Oral Radiology	NAN 323	5	2	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				

Course description:

An introduction to dental radiology as a branch of dentistry for diagnostic, treatment planning and following-up purposes. Complete examination of the oral cavity needs both clinical and radiographic investigations, therefore this course of dental radiology offers the way of examining the hidden parts of teeth and their supporting structures. This course is considered as an introductory course that includes lectures, demonstrations and practical applications on the previously given lectures. It is consisted of a series of weekly lectures and practicals extending over two terms.

The use of x-rays is an essential part of clinical dentistry. As a result, radiographs are often referred to as the clinician main diagnostic aid. The range of knowledge of dental radiography and radiology required can be divided conveniently into four main sections:

1. Basic physics and equipment: the production of x-rays, their properties and interaction which results in the formation of the radiographic image.
2. Radiography: the techniques involved in producing the various radiographic images as well as the x-ray films and other radiographic requirements as well as film processing.
3. Radiation protection: the protection of patients and dental staff from the harmful effects of x-ray.
4. Radiology: the interpretation of the radiographic images.

This course is primarily concerned with the first three topics namely physics, radiography and protection. Only part of film interpretation for simple lesions as caries, periodontal and periapical diseases will be covered. However, the more comprehensive cases and differential diagnosis will be covered in the respective year courses.

Course Title	Code/No	Credits			
Pre-Clinical Removable Prosthodontics	NAN 351	CRED	LECT	LAB	CLINICAL
		4	1	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (✓) Elective ()	First semester (✓) Second semester (✓)				
Course description: This is the first course in prosthodontics. It consists of didactic and clinical simulation components. The course is designed to provide the students with a basic knowledge concerning the static and dynamic aspects of occlusion and the importance of occlusion to all facets of dentistry. The clinical simulation phase of this course helps the students to understand and develop some basic technical skills in prosthodontics and occlusion.					

Fourth year

Course Title	Code/No	Credits			
General Medicine	NAN 482	CRED	LECT	LAB	CLINICAL
		2	1	0	1
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is designed purposely for the dental students to give an overview of the different specialties of general medicine which will be beneficial for their dental practice. The teaching, which consists of a series of lectures, will cover the diagnosis, approach, management and complications of cases which are most likely to be encountered in the dental profession.					

Course Title	Code/No	Credits			
ORAL DIAGNOSIS	NAN 424	CRED	LECT	LAB	CLINICAL
		3	1	0	2
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is aimed to improve the clinical skills of students in taking dental and medical history and performing a thorough clinical examination of the oral and paroral structures. The didactic part is offered with the primary emphasis on diagnosis and differential diagnosis of diseases involving the mouth.					
Course Title	Code/No	Credits			
General surgery	NAN 483	CRED	LECT	LAB	CLINICAL
		3	1	0	2
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course focuses on the identification and management of the various surgical problems related to the head and neck region in particular. It is directed towards building the confidence in the dental students to refer patients with pathological conditions in the head and neck region to the appropriate specialization upon their recognition during routine dental visits.					

Course Title	Code/No	Credits			
Endodontic	NAN 442	CRED	LECT	LAB	CLINICAL
		3	1	2	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: The scope of this course includes preparing the third year students to understand, recognize, diagnose and successfully treat pulpally involved or potentially involved teeth. Important fundamentals are stressed with emphasis on the correlation between basic clinical and biological principles. The course comprises of two main components: lecture series, which correlates clinical with biological principles of endodontics, and clinical simulation exercises to perform endodontic treatment on mounted extracted human teeth.					

Course Title	Code/No	Credits			
Operative Dentistry	NAN 441	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course focuses on two main elements; the principles of cavity preparation for the currently available restorative materials and the physical manipulative characteristics of restorative materials and cavity restoration. This course of study is critically important to the student’s future as a dental practitioner. It prepares students to provide the major portion of dental care to their patients. It will be a combination of lectures and clinical simulation exercises, representing different restorative procedures in operative dentistry. All lectures, instructional procedures and materials that students will receive have been designed to help them to develop the knowledge, the skills and judgment necessary to achieve the goals of operative dentistry. The development and exercise of integrity is as essential as the development of knowledge and skills to the student’s competency in dental care.					

Course Title	Code/No	Credits			
Fixed Prosthodontics	NAN 452	CRED	LECT	LAB	CLINICAL
		4	1	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)		Second semester (√)		
Course description: This course represents the orientation phase to the discipline of fixed prosthodontics. It provides the students with a framework to learn the scientific basis and the fundamental principles of fixed prosthodontics. It prepares the students for the practice of sound clinical fixed prosthodontics through a clinical simulation phase of mechanical and technical procedures.					

Course Title	Code/No	Credits			
		CRED	LECT	LAB	CLINICAL
Oral pathology	NAN 421	5	2	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (✓) Elective ()	First semester (✓) Second semester (✓)				

Course description:

The course provides a basis for the clinical practice in which the students will be engaged during the coming years and after graduation. The students will gain sufficient knowledge to help them distinguish between oral tissues in health and disease, identify diseases of the teeth, periodontium, maxilla and mandible including the face, oral mucous membranes and associated soft tissues and orofacial manifestations of systemic diseases. The causes of the various diseases and the microscopic appearance of the developed lesions are emphasized. The underlying basic pathological principles are also stressed, in addition to the clinical appearance of the lesions, which is also studied to provide introductory basis for clinical differential diagnosis.

Course Title	Code/No	Credits			
		CRED	LECT	LAB	CLINICAL
Introduction to Research Methodology and Biostatistics	NAN 423	2	2	0	0
Prerequisites	Completed preparatory year successfully				
Compulsory (✓) Elective ()	First semester (✓) Second semester (✓)				

Course description:

This course aims at providing dental students with an understanding of concepts, principles and methods of biostatistics for dental research with emphasis on using software packages for data analysis. Class activities will be in the form of lectures and discussions, which will mostly focus on the concepts of statistical methods. Tutorial sections follow each class for solving biostatistics practical problem using Excel and SPSS or Minitab computer software. Library readings will also be assigned on certain topics.

Removable Prosthodontics	NAN 455	4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (✓) Elective ()	First semester (✓)	Second semester (✓)			
Course description: Clinical Removable Prosthodontics is consists of didactic, clinical, and laboratory procedures. The main component of the course involves the theoretical and clinical application of the principles and skills in the fabrication of conventional complete and Removable Partial Dentures in a clinical setting. The Syllabus includes diagnosis, treatment planning, treatment procedures, and follow-up of the treatment. Lectures focus on the basic concepts, principles, indications, and limitations of these clinical procedures. The laboratory aspects centered on the different procedures in the fabrication of removable dental prosthesis Its clinical component comprises the actual experience of the dental clinicians to practice common clinical procedures from oral examination to delivery of denture.					

Course Title	Code/No	Credits			
Pain Control	NAN 462	CRED	LECT	LAB	CLINICAL
		3	1	0	2
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)	Second semester (√)			
Course description: This course is design to cover the assessment of patients and their suitability for local anesthesia and surgery, pain control, neuro-anatomy of the oral cavity and peril-oral tissue, neuro-physiology, pharmacokinetics of the drugs used in local anesthesia, possible local and systematic complications of local anesthesia, and how to avoid and manage such complications. In addition, the course is introduction for surgery and minor procedures like simple extraction and. Post-operative instructions and follow-up and possible complications, which may occur during or after extraction and how to recognize and manage such complications.					

Course Title	Code/No	Credits			
Periodontics	NAN 432	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course studies the topics related to the periodontium in health and diseases. The etiology, pathogenesis, and the diagnosis of periodontal disease are explained in this course. Also, the examination, diagnosis, treatment planning and treatment of patients with periodontal diseases are covered. The knowledge and practice of instrumentation in periodontics are also learned and practiced in this course. The principles and techniques of disease prevention therapy are also emphasized.					

Course Title	Code/No	Credits			
Removable Prosthodontics	NAN 551	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is the first clinical course in removable prosthodontics. It consists of didactic and clinical components. The course is limited to the teaching of conventional complete and removable partial dentures. The didactic component covers the theoretical background for different phases of treatment in removable partial and complete dentures. Syllabus includes diagnosis, treatment planning, treatment procedures, and follow-up of treatment outcome. Lectures focus on the basic concepts, principles, indications, and limitations of these clinical procedures. The clinical component is utilized to practice common clinical procedures for patient examination, motivation, and treatment with complete and removable partial dentures.					

Fifth year

Course Title	Code/No	Credits			
Pedodontics	NAN 531	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: The didactic component of this course addresses the different aspects of diagnosing, managing and treating the dental problems of pre-school and school age children. The clinical component is the first exposure of the students to the clinical pediatric dentistry. The clinical setting helps the students to acquire the necessary clinical skills to render dental care for children. The students will have the opportunity to perform the clinical procedures commonly associated with children’s dentistry. The concept of comprehensive dental care will be adopted in this course so the students can develop full awareness for the child as a patient. Patients with age ranging from 8 to 14 years will be seen by the students according to the course requirement.					
Course Title	Code/No	Credits			
Endodontic	NAN 542	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course trains the students to perform clinical aspects of endodontic therapy with emphasis on integrating clinical and biological principles. Major pulpal and per radicular pathologies and their signs and symptoms are discussed. The students learn and practice how to treat endodontic ally involved anterior and posterior teeth and how to manage endodontic emergencies.					

Course Title	Code/No	Credits			
Oral and Maxillofacial Surgery	NAN 561	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is offered to the 5th year students to address some aspects of proper management of medically compromised patients, infection control in the office, and the proper use and pitfalls of prescription drugs. Pertinent laboratory tests and interpretation of the results are also discussed. Students will examine patients with systemic diseases for evaluation and treatment planning and will present one patient with complete investigation results and treatment plan. In addition, students will write reports on selected medical and dental conditions and present the findings to their colleagues under the supervision of assigned faculty member. This will provide the students with training on methods of collection of data, review of literature, presentation techniques and conduction of seminars					

Course Title	Code/No	Credits			
Periodontics	NAN 532	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course covers the treatment of different types of periodontal diseases, the interrelationship between periodontics and other related dental disciplines, the surgical approaches in the management of moderate to advanced periodontal diseases, the role of occlusion in periodontal diseases, and the surgical aspect of implant dentistry and management of tissues around implants in health and disease.					

Course Title	Code/No	Credits			
Fixed prosthodontics	NAN 552	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: The course serves as the transitional phase from the clinical simulation to the clinical environment in fixed prosthodontics. It provides a framework for the students to transfer the clinical simulation exercises into clinical applications, reinforcing the concepts learned in course 451 NAN. The clinical phase seeks to equip the students with the fundamental skills for sound clinical fixed prosthodontic practice through the comprehensive management of a minimum number of cases.					

Course Title	Code/No	Credits			
Orthodontics	NAN 533	CRED	LECT	LAB	CLINICAL
		3	1	2	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)		Second semester (√)		
Course description: This course provides the students with a background on normal occlusion, malocclusion, growth and development of dent facial structures, etiology and diagnosis of malocclusion, and the treatment of different dent facial discrepancies					

Course Title	Code/No	Credits			
Oral medicine	NAN 522	CRED	LECT	LAB	CLINICAL
		3	1	0	2
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√)		Second semester (√)		
Course description: This course provides the students with a background on normal occlusion, malocclusion, growth and development of dent facial structures, etiology and diagnosis of malocclusion, and the treatment of different dent facial discrepancies					

Course Title	Code/No	Credits			
Clinical Operative dentistry	NAN 541	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course that builds on the preceding principles and techniques presented in the clinical simulation courses with an expansion on the area of diagnosis and treatment planning. Emphasis on efficient utilization of the clinical facilities and the need for proper patient record and clinical record systems. The students are expected to carry out simple restorative procedures under supervision. This course is the final operative course. It aims at reinforcement of the previous knowledge gained in the early operative dentistry courses and update of the students with newly developed restorative materials. The clinical sessions are directed towards the clinical application of the principles of operative dentistry by performing different kinds of cavity preparation and restoration. In addition, the students will be introduced to various treatment modalities in the area of esthetic dentistry in the anterior and posterior teeth.					

SIXTH YEAR

Course Title	Code/No	Credits			
Oral and Dental Public Health	NAN 634	CRED	LECT	LAB	CLINICAL
		4	1	3	0
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: The first part of this course is designed to build awareness to the principles and activities of dental public health. In addition, knowledge on the application of sciences of epidemiology and biostatistics in dental public health will be explained. The second part of the course will explore the concepts of the dental public health in the light of the oral health problems in the Kingdom of Saudi Arabia.					

Course Title	Code/No	Credits			
Orthodontics	NAN 633	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				
Course description: This course is given in a problem-based learning approach. It consists of tutorial sessions to analyze and discuss some orthodontic cases chosen to cover the following topics: orthodontic diagnosis and treatment planning, early orthodontic treatment, orthodontic management of skeletal problems, assessment of patients for orthognathic surgery, adjunctive orthodontic treatment for adults, and iatrogenic effects of orthodontic therapy. This method of learning involves an active participation of the students in the teaching process through generation of hypotheses to explain the problems under discussion, contributing resources and knowledge to the group, and demonstrating the ability to understand and apply the available evidence to analyze the case.					

Course Title	Code/No	Credits			
		CRED	LECT	LAB	CLINICAL
Orthodontics	NAN 631	4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				

Course description:

This is the final clinical course in pediatric dentistry. During the clinical sessions, the students are required to provide comprehensive dental treatment for children age 3 to 8 years presenting with a wide range of dental problems. Emphasis of the course will be on patient education and management, treatment planning, prevention of dental disease, restorative procedures, pulp therapy, and dental space management.

Course Title	Code/No	Credits			
		CRED	LECT	LAB	CLINICAL
Comprehensive care clinics	NAN 600	24	4	0	20
Prerequisites	Completed preparatory year successfully				
Compulsory (√) Elective ()	First semester (√) Second semester (√)				

Course description:

This course is designed to cover all clinical disciplines in dentistry. This is a conjoint course by all dental departments where contributors from all dental disciplines participate in both the lectures and clinical sessions. Lectures are designed to cover a wide aspect of advanced dental topics related to comprehensive dental care. Clinical sessions are conducted to amalgamate the clinical experience gained by the students in previous clinical courses and provide them with an excellent foundation for comprehensive patient care.

Course Title	Code/No	Credits			
Oral and Maxillofacial Surgery	NAN 661	CRED	LECT	LAB	CLINICAL
		4	1	0	3
Prerequisites	Completed preparatory year successfully				
Compulsory (✓) Elective ()	First semester (✓) Second semester (✓)				
Course description: This course teaches more in-depth advanced oral surgery, diagnosis, and treatment plan for oral surgical procedures. The principles of diagnosis and treatment of facial trauma, which includes fractures of the mandible and the middle third of the facial skeleton, f management. This is a clinical course in advanced oral surgery, which is designed to get the dental students to carry out more complicated minor oral surgical procedures under local anesthesia. Cases such as retained roots, impacted teeth, alveoloplasty, and management of orofacial infections are assigned to the students to treat under faculty supervision. Also, students are introduced to the surgical implant dentistry. Students are also introduced to hospital rules and protocol, which include medical records, doctor’s orders, progress notes, laboratory and radiographic reports, temperature/pressure/respiration graphics, operation notes and discharge summary. Also, students are introduced to the operating room and to major maxillofacial surgery					

Program key performance indicator (KPI's)

Standard	Code	Key Performance Indicators	Description
-1- Mission and Goals	KPI-P-01	Percentage of achieved indicators of the program operational plan goals (i8)	Percentage of performance indicators of the operational plan objectives of the program that achieved the targeted annual level to the total number of indicators targeted for these objectives in the same year
	KPI-P-02	The awareness and support of the teaching staff and administrators of the mission of the program/institution (i2)	Percentage of faculty and program staff who are aware of the program / institution's mission using a questionnaire / interview to the total number of faculty and staff.
-3- Teaching and Learning	KPI-P-03	Students' Evaluation of quality of learning experience in the program (i10)	Average of overall rating of final year students for the quality of learning experience in the program on a five-point scale in an annual survey
	KPI-P-04	Students' evaluation of the quality of the courses (i6)	Average students overall rating for the quality of courses on a five-point scale in an annual survey
	KPI-P-05	Completion rate (i12)	Proportion of undergraduate students who completed the program in minimum time in each cohort
	KPI-P-06	First-year students retention rate (i1)	Percentage of first-year undergraduate students who continue at the program the next year to the total number of first-year students in the same year
	KPI-P-07	Students' performance in the	Percentage of students or graduates who were successful in the professional and /

Standard	Code	Key Performance Indicators	Description
		professional and/or national examinations	or national examinations, or their score average and median (if any)
	KPI-P-08	Graduates' employability and enrolment in postgraduate programs (i14,19)	Percentage of graduates from the program who within a year of graduation were: a. employed b. enrolled in postgraduate programs during the first year of their graduation to the total number of graduates in the same year
	KPI-P-09	Average number of students in the class	Average number of students per class (in each teaching session/activity: lecture, small group, tutorial, laboratory or clinical session)
	KPI-P-10	Employers' evaluation of the program graduates proficiency (i26)	Average of overall rating of employers for the proficiency of the program graduates on a five-point scale in an annual survey
	KPI-P-11	Student evaluation of the Value and Quality of Field Activities (i15)	Percentage of students' satisfaction with the presence and quality of field activities during the semester and the academic year at the program / college / university.
	KPI-P-12	Appropriate methods of teaching according to the assessment of students, external observers, and faculty members for each area of learning, as stated in the "Qualifications Framework".	

Standard	Code	Key Performance Indicators	Description
-4- Students	KPI-P-13	Students' satisfaction with the offered services (i18,28)	Average of students' satisfaction rate with the various services offered by the program (restaurants, transportation, sports facilities, academic advising, ...) on a five-point scale in an annual survey
-5- Teaching Staff	KPI-P-14	Ratio of students to teaching staff (i9)	Ratio of the total number of students to the total number of full-time and full-time equivalent teaching staff in the program
	KPI-P-15	Percentage of teaching staff distribution	Percentage of teaching staff distribution based on: a. Gender b. Branches c. Academic Ranking
	KPI-P-16	Proportion of teaching staff leaving the program (i37)	Proportion of teaching staff leaving the program annually for reasons other than age retirement to the total number of teaching staff.
	KPI-P-17	Percentage of publications of faculty members (i36)	Percentage of full-time faculty members who published at least one research during the year to total faculty members in the program
	KPI-P-18	Rate of published research per faculty member (i42)	The average number of refereed and/or published research per each faculty member during the year (total number of refereed and/or published research to the total number of full-time or equivalent faculty members during the year)
	KPI-P-19	Citations rate in refereed journals per faculty member (i44)	The average number of citations in refereed journals from published research per faculty member in the program (total number of citations in refereed journals from published research for full-time or equivalent

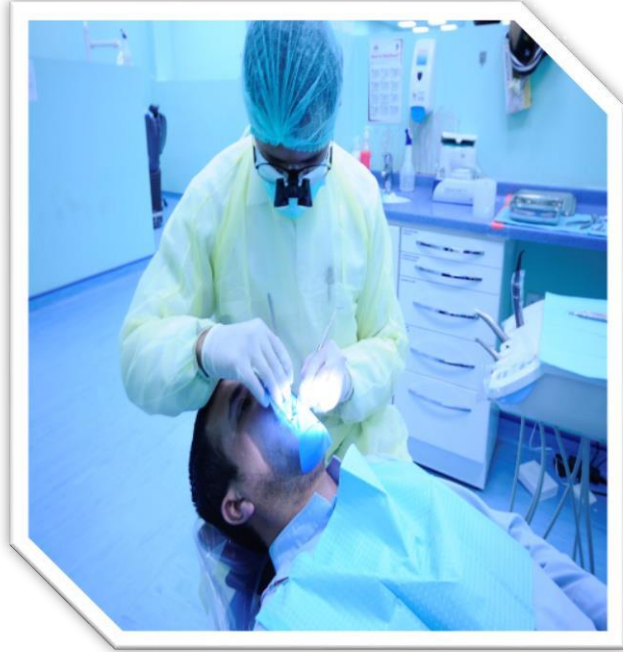
Standard	Code	Key Performance Indicators	Description
			faculty members to the total research published)
	KPI-P-20	Relevance of the qualifications and experience of faculty members to the courses they teach (i17)	Percentage of faculty members with qualifications and experience of the courses they are studying compared to the total number of courses offered during the academic year.
	KPI-P-21	The percentage of full-time teaching staff members and the others of administrative staff that participate in community services activities (i49)	Number of full-time faculty, other staff and administrators engaged in a community service activity during the academic year compared to the total number of faculty, other staff and administrators
	KPI-P-22	Proportion of teaching staff with verified doctoral qualifications.	
-6- Learning Resources, Facilities, and Equipment	KPI-P-23	Satisfaction of beneficiaries with the learning resources (i13,27,33)	Average of beneficiaries' satisfaction rate with the adequacy and diversity of learning resources (references, journals, databases... etc.) on a five-point scale in an annual survey.

Facilities (Classrooms – Laboratories - Specialized equipment -etc)

Number of Academic Programs	1
Number of Vice Deanships	4
Numbers of clinics	021
Numbers of Labs	8
Numbers of Classroom	01
Number of Campuses	2

Clinics





Labs







Classroom





Graduates employment opportunities

Bachelor of dental medicine & surgery (BDS) is of the strongest dentistry school program that graduate a special dentist in the Saudi specialization. This specialty poss a high chances and opportunities as general dental practitioner and researcher and teaching assistant in any of these medical field area for examples.

- Governmental and private Hospitals as general dental practitioner.
- Medical care centers (governmental and private as general dental practitioner).
- Special dental clinics as general dental practitioner.
- Dental related medical industries, and working as delegates or supervisors in the dental materials and materials companies.
- Research and development related to dentistry as researcher.
- Supervision jobs in government departments and medical supplies in the Ministry of Health, hospitals and government clinics, and other governmental health facilities.
- Membership of teaching staff in colleges and universities as teaching assistant.
- Supervision jobs in private medical institutions, and other medical professions related to denti