

Description of Academic Program & Syllabus

College of Dentistry

2024-2025

Introduction

The Faculty of Dentistry was established in 2002 and seeks to raise the level of medical services for citizens by graduating competent dentists to work in health and scientific institutions, in addition to providing services through the faculty's teaching clinics, which were opened in 2005. The specialist dental clinics were expanded in 2008- 2009, when the laser and dental implant clinics were opened for the 2012-2013 academic year. At the beginning of the 2014 - 2015, the new building for the Faculty of Dentistry was received, which includes a number of classrooms designed with modern technology and equipped with display screens and comfortable study seats to keep pace with developments in this field regarding the application of e-learning mechanisms. The new teaching clinics are also equipped with the latest dental equipment, all of which is supported by the university presidency. The

Faculty of Dentistry pays great attention to modern technology in light of the scientific revolution that the world is witnessing in various fields of cognitive science and the use of artificial intelligence tools.

The programme's objectives include the use of blended learning methods in teaching and student assessment. To graduate students who are able to contribute to serving the community and meet the requirements of the labour market.

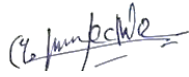
Faculty branches

1. Microscopic Biology Branch
2. Basic Sciences Branch
3. Maxillofacial Surgery Branch
4. Periodontal and Periapical Surgery Branch
5. Dental Restoration and Treatment Branch
6. Dental Technology Branch
7. Orthodontics, Paediatric Dentistry and Preventive Dentistry Branch

Descriptive data

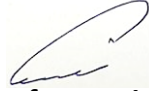
The following is a table of organizational identity data

University Name	University of Babylon
College	Faculty of Dentistry
Scientific Department	Single-division college
Academic Program Name	Bachelor of Dentistry
Certificate Awarded	Bachelor of Oral and Maxillofacial Surgery
Academic System	Quarterly
Accredited Program	Courses and vocabulary according to the Ministry
Other External Influences	Educational Clinics - Health Centers
Description Preparation Date	2025/7/1
File Filling Date	2025/7/1



Assoc. Prof. Lamis Khader
Mohammed

عضواً



Assoc. Prof. Dr. Zainab Hadi
Kamel

عضواً

Assoc. Prof. Dr. Fatima Malik
Abboud

عضواً



م.م. أسماء سامي جواد

عضواً

Lecturer. Dr. Hussein Karim

عضواً

Assoc. Prof. Dr. Rasha Jassim
Al-Qayyim

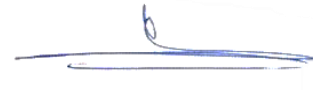
عضواً



شيماء محمد كاظم

مسؤول شعبة الجودة


أ.د. سهى عبد الحسين هندي
العميد



Assoc. Prof. Dr. Hassan Fali
Al-Watifi

معاون العميد للشؤون العلمية



1- Program Vision

The programme should be a pioneer in graduating scientifically competent medical cadres and technically competent in the field of dentistry to contribute to the labour market and carry out qualitative scientific research focused on developing the profession and achieving sustainable development goals in line with the requirements of society. The dissemination of applied research contributes to raising the level of education and bringing about broad developments in the field of dentistry.

2- Program message

Providing comprehensive integrated education that combines theory and practice to equip students with the necessary skills and improve the health of citizens through the services provided by the college and health and medical awareness guidance for all segments of society to achieve sustainable development goals.

3- Program goal

1- General objectives:

- A- Raising the academic level of students and teaching staff by encouraging scientific research and sending them on missions outside Iraq.
- B- Providing specialized medical services in the college's educational and consultative clinics.
- C- Raising and developing the level of services provided to citizens and achieving sustainable development goals.

2- Specific objectives

- A. Opening postgraduate studies in all specialisations of dentistry.
- B. Establishing a surgical centre specialising in facial and jaw surgery, treatment of congenital deformities, laser surgery, dental implants and treatment of various surgical cases.
- C. Instilling ethical and professional values.

4- Program accreditation

The application was submitted and approved in accordance with the Iraqi Dental Schools Accreditation Program.

5- Other external factors

The job market – Field visits to government departments—Implementation in health centres

6- The program structure

Program Structure	Number of Courses	Study Unit	%	Notes
Enterprise Requirements				
College Requirements	81	198	%100	
Summer Training	4 th and 5 th class			
others	Community services through educational clinics			
Total	81	198		

Plan					
Class	Courses no.	Course name	Hrs.		unites
			theory	practice	
1 st class 1 st course	BDEN0010011	Medical Biology 1	2	2	3
	BDEN0010021	Medical Physics 1	2	2	3
	BDEN0010031	Medical Chemistry 1	2	2	3
	BDEN0010041	General Anatomy 1	2	2	2
	BDEN0010051	Computers	2	2	2
	BDEN0010061	Dental Anatomy 1	1	2	2
	BDEN0010071	Democracy and Human Rights	2	0	2
1 st class 2 nd course	BDEN0010082	Medical Biology 2	3	2	3
	BDEN0010092	Medical Physics 2	3	2	3
	BDEN0010102	Medical Chemistry 2	3	2	3
	BDEN0010112	General Anatomy 2	2	1	2
	BDEN0010122	Medical Terminology	2	2	2
	BDEN0010132	Dental Anatomy 2	2	1	2
2 nd class 2 nd course	BDEN001014 1	General Tissue 1	2	2	3
	BDEN001015 1	Physiology 1	2	2	3
	BDEN001016 1	Biochemistry 1	2	2	3
	BDEN001017 1	General Anatomy 1	2	1	2
	BDEN001018 1	Dental Materials 1	2	1	2
	BDEN001019 1	Oral Tissues 1	2	1	2
	BDEN001020 1	Crimes of the Former Baath Party	0	2	2
	BDEN001021 1	Dental Technology 1	3	1	2
2 nd class 2 nd course	BDEN001022 2	General Tissues 2	2	2	3
	BDEN001023 2	Physiology 2	2	2	3
	BDEN001024 2	Biochemistry 2	2	2	3
	BDEN001025 2	General Anatomy 2	2	1	2
	BDEN001026 2	Computers	2	1	2
	BDEN001027 2	Dental Materials 2	2	1	2
	BDEN001028 2	Oral Tissues 2	2	1	2
	BDEN001029 2	Dental Technology 2	3	1	2
3 rd class	BDEN001030 1	Microbiology 1	2	2	3

1 st course	BDEN001031 1	Pharmacology 1	2	2	3
	BDEN001032 1	Pathology 1	2	2	3
	BDEN001033 1	Dental Treatment 1	3	2	3
	BDEN001034 1	Radiology 1	2	1	2
	BDEN001035 1	Oral Surgery 1	2	1	2
	BDEN001036 1	Dental Technology 1	3	1	2
	BDEN001037 1	Community Medicine 1	2	1	2
3 rd class 2 nd course	BDEN001038 2	Microbiology 2	2	2	3
	BDEN001039 2	Pharmacology 2	2	2	3
	BDEN001040 2	Pathology 2	2	2	3
	BDEN001041 2	Dental Treatment 2	3	2	3
	BDEN001042 2	Radiology 2	2	1	2
	BDEN001043 2	Biological Safety and Security	2	1	2
	BDEN001044 2	Oral Surgery 2	2	1	2
	BDEN001045 2	Dental Technology 2	3	1	2
	BDEN001046 2	Community Medicine 2	2	1	2
4 th class 1 st course	BDEN001047 1	Oral Pathology 1	2	2	3
	BDEN001048 1	Periodontal Diseases and Surgery 1	4	1	3
	BDEN001049 1	Oral Surgery 1	4	1	3
	BDEN001050 1	Dental Technology 1	4	1	3
	BDEN001051 1	Dental Treatment 1	4	1	3
	BDEN001052 1	General Surgery 1	2	1	2
	BDEN001053 1	General Medicine 1	2	1	2
	BDEN001054 1	Orthodontics 1	2	1	2
	BDEN001055 1	Paediatric Dentistry 1	0	1	1
4 th class 2 nd course	BDEN001056 2	Oral Pathology 2	2	2	3
	BDEN001057 2	Periodontal Diseases and Surgery 2	4	1	3
	BDEN001058 2	Oral Surgery 2	4	1	3
	BDEN001059 2	Dental Technology 2	4	1	3
	BDEN001060 2	Dental Treatment 2	4	1	3
	BDEN001061 2	General Surgery 2	2	1	2
	BDEN001062 2	General Medicine 2	2	1	2

	BDEN001063 2	Orthodontics 2	2	1	2
	BDEN001064 2	Paediatric Dentistry 2	0	1	1
5 th class 1 st course	BDEN001065 1	Periodontal pathology and surgery 1	4	1	3
	BDEN001066 1	Oral surgery 1	2	2	3
	BDEN001067 1	Dental technology 1	4	1	3
	BDEN001068 1	Dental treatment 1	4	1	3
	BDEN001069 1	Orthodontics 1	2	1	2
	BDEN001070 1	Paediatric dentistry 1	2	1	2
	BDEN001071 1	Oral medicine 1	2	1	2
	BDEN001072 1	Preventive dentistry 1	2	1	2
5 th class 2 nd course	BDEN001073 2	Periodontal pathology and surgery 2	4	1	3
	BDEN001074 2	Oral surgery 2	2	2	3
	BDEN001075 2	Dental Technology 2	4	1	3
	BDEN001076 2	Dental Treatment 2	4	1	3
	BDEN001077 2	Orthodontics 2	2	1	2
	BDEN001078 2	Paediatric Dentistry 2	2	1	2
	BDEN001079 2	Oral Medicine 2	2	1	2
	BDEN001080 2	Preventive Dentistry	2	1	2
	BDEN001081 2	Graduation Research	0	0	2

7- مخرجات التعلم المتوقعة للبرنامج

A. Knowledge		Learning outcomes
A1	Acquire comprehensive knowledge of dental concepts and related biomedical sciences that form the basis for understanding human growth, development and health.	Lifelong learning and striving to expand knowledge, maintain scientific and practical competence, and apply modern technology in the practice of dentistry and its various sciences.
A2	Define basic dental terms such as caries and gingivitis.	
A3	Explain the principles of evidence-based dentistry and its relationship to scientific research.	
A4	Select appropriate tools and materials for use in specific clinical situations.	
A5	Analyse radiographs to identify problems and determine their diagnosis and treatment.	
A6	Develop a comprehensive treatment plan for conditions such as surgery, implants and orthodontics.	

B. Skills		Learning outcomes
B1	The student performs local anaesthesia techniques correctly and safely for the patient.	Demonstrate the student's ability to interpret and evaluate data to determine the accuracy and reliability of information from reference sources.
B2	The student applies infection control and sterilisation standards in the clinic.	
B3	The student resolves minor bleeding after extraction using appropriate techniques.	
B4	The student organises clinical examination data and radiographic images to arrive at an accurate diagnosis.	
B5	The student understands the psychological, cultural and social factors that have an impact on the management and prevention of oral diseases.	

C. Rates		Learning outcome
1C	Students learn about the rules and ethics governing the dental profession so that they can be role models in practising the profession with integrity and high ethical standards, which is reflected in all aspects of their professional lives.	Promoting dental ethics and social responsibility
2C	Students pay attention to the ethical rules set by professors or senior professionals, including confidentiality, informed consent, and fairness in patient care.	
3C	Students participate in discussions about the importance of obtaining patient consent before beginning any treatment.	
4C	The student shows great respect for patient privacy and flexibility in dealing with different situations and behaviours that are legal and ethical, in line with professional standards, taking into account the different needs of young children, adolescents, people with special needs, and the elderly.	
5C	The student prioritises professional safety, assessment of medical emergencies and adherence to protocols over speed in completing the work.	

ج 6	The student plans when, how and where to refer the patient to a specialist based on clinical assessment.	
-----	--	--

Assessment methods

- A. Continuous assessment: periodic electronic tests during lectures – student participation in class – presentations (seminars)
- B. Practical assessment: students' practical skills in the laboratory or teaching clinic
- C. Written assessment: Developing student responsibility in passing written exams during the semester
- D. Feedback
- E. Extracurricular activities
- F. Report writing
- G. Final assessment: Final exam and graduation projects
- H. Ministerial assessment exam

11- الهيئة التدريسية

ت	الاسم	الدرجة العلمية	التخصص		المتطلبات / المهارات الخاصة		أعداد الهيئة التدريسية	
			العام	الدقيق			محاضر	ملاك
1	سهى عبد الحسين هندي	أستاذ	طب أسنان	أمراض الفم			*	
2	مهدي يعكوب كزار	أستاذ	طب أسنان	جراحة الوجه والفكين			*	
3	أمير حمدي العميدي	أستاذ	طب أسنان	معالجة وترميم			*	
4	وسام وهاب صاحب	أستاذ	طب أسنان	تقويم الأسنان			*	
5	حيدر حميد عباس	أستاذ	طب عام	فسلجه طبية			*	
6	علي زكي ناجي	أستاذ	طب عام	علم الأمراض			*	
7	أركان مسلم العزاوي	أستاذ	طب أسنان	تقويم الأسنان			*	
8	بهاء حمدي حكيم	أستاذ	علوم حياة	أحياء مجهرية			*	
9	نبراس نصر الله خضير	أستاذ	علوم حياة	أحياء مجهرية			*	
10	زينب محي حميد	أستاذ	طب أسنان	أمراض اللثة			*	
11	زينب خضر أحمد	أستاذ	علوم حياة	أحياء مجهرية			*	
12	أحمد صلاح حميد نعمان	أستاذ	طب أسنان	زراعة الأسنان			*	
13	ثائر جابر عبد الصاحب	أستاذ	طب أسنان	تقويم أسنان			*	
14	أحمد محمد عباس	أستاذ	علوم حياة	أحياء مجهرية			*	
15	ملاذ عزيز جبر يوسف	أستاذ	طب أسنان	أدوية وسموم			*	
16	عقيل حنظل طارش	أستاذ	علوم حياة	فسلجه			*	
17	لمى جاسم حمود	أستاذ مساعد	علوم حياة	أحياء مجهرية			*	
18	رشا جاسم موسى	أستاذ مساعد	طب بيطري	أحياء مجهرية			*	
19	حنان سلمان حسن	أستاذ مساعد	علوم حياة	أحياء مجهرية			*	
20	زينب هادي كامل حسين	أستاذ مساعد	علوم حياة	فلسفة في علوم الحياة			*	
21	زياد نزار مجيد علي طالب	أستاذ مساعد	طب أسنان	أمراض الفم			*	
22	فاطمة مالك عبود	أستاذ مساعد	طب أسنان	أحياء مجهرية			*	

23	ذو الفقار غالي حميد	أستاذ مساعد	طب أسنان	معالجة أسنان	*	
24	لقاء عدي علي	أستاذ مساعد	علوم حياة	فلسفة في علوم الحياة	*	
25	حنان علي حميد	أستاذ مساعد	طب أسنان	صناعة الأسنان	*	
26	حيدر علي حسن	أستاذ مساعد	طب أسنان	جراحة الأسنان	*	
27	زينب محمود جواد	أستاذ مساعد	طب أسنان	صناعة الأسنان	*	
28	لميس خضر محمد	أستاذ مساعد	طب أسنان	تقويم الأسنان	*	
29	ناهدة حمود عبد جراح	أستاذ مساعد	علوم فيزياء	فيزياء ليزر وكهرو بصريات	*	
30	داليا عبد الزهرة محسن	أستاذ مساعد	صيدلة	أدوية	*	
31	عصام مرزة عبدالله	أستاذ مساعد	طب أسنان	تقويم الأسنان	*	
32	قاسم أحمد عبيس	أستاذ مساعد	طب أسنان	تقويم الأسنان	*	
33	أنس معز عبد الحسين	أستاذ مساعد	طب أسنان	فلسفه طبية	*	
34	أحمد شاكر حسين	أستاذ مساعد	علوم فيزياء	فلسفه في علوم الفيزياء	*	
35	جميلة علي عبد الصاحب	أستاذ مساعد	حاسبات	تكنولوجيا المعلومات	*	
36	أيمن حميد عريبي	أستاذ مساعد	طب أسنان	أشعة	*	
37	آزاد محمد رضا	أستاذ مساعد	طب الأسنان	صناعة الأسنان	*	
38	حسن فليح فرحان	أستاذ مساعد	طب الأسنان	طب الأسنان الوقائي	*	
39	أحمد غانم مهدي	أستاذ مساعد	طب الأسنان	معالجة الأسنان	*	
40	قاسم عبد الكريم	أستاذ مساعد	طب الأسنان	معالجة الأسنان	*	
41	ميثم رياض علي	أستاذ مساعد	طب الأسنان	جراحة الأسنان	*	
42	حسن محسن جواد	مدرس	طب أسنان	معالجة اسنان	*	
43	عمار حاتم عبد اللطيف	مدرس	طب عام	كيمياء مرضية	*	
44	ندى مهدي عبد الرضا	مدرس	علوم حياة	أنسجة	*	
45	دعاء عادل عبود	مدرس	طب بيطري	أحياء مجهرية فموية طبية	*	
46	تماره علي ناصر	مدرس	علوم فيزياء	فيزياء الليزر وتطبيقاتها	*	

47	نجلاء ناصر حسين	مدرس	علوم كيمياء	كيمياء لا عضوية	*	
48	محمد عقيل كرم	مدرس	علوم كيمياء	كيمياء لا عضوية	*	
49	علي قيس ليلو العامري	مدرس	طب أسنان	جراحة الأسنان	*	
50	اسراء ناظم حبيب	مدرس	علوم حياة	فلسفة في علوم الحياة	*	
51	دنيا ملحان حنويت	مدرس	طب أسنان	جراحة الأسنان	*	
52	بان حسين كاظم	مدرس	طب عام	أحياء مجهرية	*	
53	زينب هاشم ناصر حسين	مدرس	علوم حياة	أحياء مجهرية	*	
54	أزهر عبد الحافظ	مدرس	طب عام	أدوية وسموم	*	
55	ضحى مالك حسن علوان	مدرس	طب أسنان	تقويم الأسنان	*	
56	دولت عبد الباري خضير	مدرس	علوم حياة	أحياء مجهرية	*	
57	سنان عبد الستار جواد	مدرس	طب أسنان	معالجة الأسنان	*	
58	سرى داخل جاسم	مدرس	طب أسنان	أمراض اللثة	*	
59	بسام علي حسين	مدرس	طب أسنان	تقويم أسنان	*	
60	اسراء حسين علي	مدرس	طب أسنان	طب أسنان الأطفال	*	
61	خالد نواف ضاحي	مدرس	طب أسنان	جراحة الأسنان	*	
62	أحمد ضياء نعمة	مدرس	طب أسنان	جراحة الأسنان	*	
63	أحمد عبد الحسين هندي	مدرس	طب أسنان	صناعة الأسنان	*	
64	حسين كريم حميد رشيد	مدرس	طب أسنان	صناعة الأسنان	*	
65	آلاء سلمان حسين علي	مدرس	علوم كيمياء	كيمياء فيزيائية	*	
66	زينب غالب عبد الكريم	مدرس	علوم كيمياء	كيمياء حيائية	*	
67	عمار عيسى مهدي	مدرس	طب عام	علم الأمراض	*	
68	ايناس ضاحي نعمة	مدرس مساعد	كيمياء	كيمياء حيائية سريرية	*	
69	سارة يوسف عباس	مدرس مساعد	طب أسنان	تقويم الاسنان	*	
70	أميمة لطيف سلمان	مدرس مساعد	طب أسنان	تقويم الأسنان	*	

71	ريام عبد الخضر محمد	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
72	عقيل مسلم عبد الأمير	مدرس مساعد	طب أسنان	تقويم الأسنان	*	
73	صفاء حامد عبد الستار	مدرس مساعد	محاسبة	محاسبة	*	
74	زينب عبد خلف حسن	مدرس مساعد	قانون	قانون جنائي	*	
75	هبة عزت رشيد	مدرس مساعد	طب أسنان	أشعة	*	
76	ريم اكرم ناجي محمود	مدرس مساعد	علوم حياة	احياء مجهرية طبية	*	
77	طيبة حبيب سيفي	مدرس مساعد	علوم حياة	أحياء مجهرية	*	
78	اوس معز عبد الحسين	مدرس مساعد	علوم حياة	علوم حياة	*	
79	نورا حسين علي عبيس	مدرس مساعد	علوم فيزياء	فيزياء الليزر	*	
80	هديل لؤي كريم عمران	مدرس مساعد	علوم كيمياء	كيمياء حياتية سريرية	*	
81	ود وجدي مهدي صالح	مدرس مساعد	لغة انكليزية	لغة انكليزية	*	
82	زهراء حسن حمزة التركي	مدرس مساعد	علوم حياة	أحياء مجهرية	*	
83	زهره كاظم علي هادي	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
84	ذري عبد الامير حسين	مدرس مساعد	هندسة مواد	هندسة مواد	*	
85	بلال محمد عبيد كاظم	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
86	عمار عبد الستار حمزة	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
87	محمد علي ياسين عزاوي	مدرس مساعد	علوم كيمياء	كيمياء حياتية	*	
88	حيدر عبد الستار جبار	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
89	آيات صلاح مهدي	مدرس مساعد	طب أسنان	معالجة أسنان	*	
90	دعاء نعمة ابراهيم مسير	مدرس مساعد	طب أسنان	أمراض اللثة	*	
91	ايمان عباس عبود زياد	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	

92	علي فلاح حسن	مدرس مساعد	طب أسنان	جراحة أسنان	*	
93	نادية كامل محمد	مدرس مساعد	علوم حياة	علوم حياة	*	
94	سوزان حميد عربي	مدرس مساعد	علوم حياة	أحياء مجهرية فموية طبية	*	
95	انفال احسان جاسم	مدرس مساعد	طب بيطري	أحياء مجهرية فموية طبية	*	
96	دنيا عباس خضير حمزة	مدرس مساعد	علوم كيمياء	كيمياء حياتية سريرية	*	
97	سارة أنور محمد علي أمين	مدرس مساعد	طب أسنان	أمراض الفم	*	
98	حسن عصام خضير	مدرس مساعد	طب أسنان	جراحة الأسنان	*	
99	زهراء محمد حسين ويس	مدرس مساعد	طب أسنان	طب أسنان وقائي	*	
100	أسماء سامي جواد صكر	مدرس مساعد	طب أسنان	أمراض الفم	*	

Professional development

Guidance for faculty members

Workshops and training courses: Workshops on modern teaching methods, such as problem-based learning (PBL) and blended learning, which encourage critical thinking among students.

b. Training faculty members on the use of simulation techniques in clinical teaching: This gives students the opportunity to practise their skills in a safe environment before dealing with patients.

C. Constructive feedback: Faculty members learn how to provide effective and constructive assessments to students, helping them identify their strengths and weaknesses and improve their performance.

d. Courses in scientific research methodology: Specialised courses are held on study design, statistical data analysis, and research paper writing, with the aim of enhancing faculty members' participation in scientific research

e. Research collaboration: Encourage collaboration between different departments within the college, as well as with international research institutions, to exchange experiences and establish joint research projects.

f. Research grants: Provide support and assistance to faculty members in obtaining research grants from local and international sources, ensuring the continuity of scientific research.

Faculty Development

- A. Scientific conferences and seminars: Participation in scientific conferences and seminars provides faculty members with an opportunity to learn about the latest technologies and developments in dentistry, such as digital dentistry and new biomaterials.
- B. Continuing medical education (CME) programmes: Specialised training courses are offered in specific areas (such as dental implants, orthodontics, and paediatric dentistry) to update the clinical skills of faculty members.
- C. Teaching performance evaluation: Use student questionnaires to evaluate faculty performance after their participation in development programmes.
- D. Research output: Measure the number of research papers published in peer-reviewed scientific journals after receiving training.

Admission criteria

- 1- The general average for central admission, which is within the applicable limits and in accordance with the directives of the Ministry of Higher Education and Scientific Research. This includes students who have high grades and enjoy physical and mental abilities.
- 2- Personal interviews with applicants, noting any speech, behavioural or personality defects, and assessing qualities such as willingness to help others, self-confidence and ability to face challenges.

Main sources of information about the programme

- A. Ministry of Higher Education and Scientific Research/Committee of Deans of Iraqi Dental Faculties
- B. Faculty website
- C. Books and general resources specific to the faculty and various specialisations in basic and medical sciences (single-department faculty)

Programme Development Plan

- 1- Updating the curriculum
To ensure that our graduates have the skills and knowledge necessary to keep pace with global developments in dentistry, we must periodically review and update the curriculum
A- Comprehensive review: A specialised committee of faculty members and experts should be formed to evaluate the current curriculum and identify its strengths and weaknesses
B. Incorporating the latest technologies: New topics such as digital dentistry, including three-dimensional imaging (CBCT) and computer-aided design (CAD/CAM), and regenerative dentistry, such as the use of stem cells in treatment, should be introduced.
C. Focus on clinical skills: Increase the number of hours allocated to practical training in clinics, with a focus on basic and advanced clinical skills, such as dental implants and cosmetic dentistry.
2. Developing teaching and assessment methods
Developing teaching and assessment methods contributes to improving the quality of education and making it more interactive and effective.
A. Interactive education: Using problem-based learning, where students are presented with real clinical cases and learn how to solve them collectively.
B. Virtual simulation: Using simulation centres and dental simulators to train students in clinical procedures in a safe environment before moving on to real patients.
C. Continuous assessment: Application of a formative assessment system that continuously measures student progress, rather than relying solely on final exams.
3. Enhancing infrastructure and practical training

To provide high-quality medical education, an advanced learning environment equipped with the latest equipment must be provided.

A. Modernising clinics: Renovating college clinics and equipping them with the latest devices, such as laser devices in dentistry, digital imaging systems, and surgical microscopes.

b. Community partnerships: Establishing partnerships with hospitals, medical centres, and health institutions to provide additional training opportunities for students.

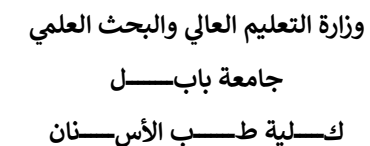
Curriculum Skills Chart

Curriculum Skills Chart																			
Year / level	Course code	Course Name	Essential or optional	Required learning outcomes of the programme															
				Knowledge goals				Programme-specific skill objectives				Emotional and value-based goals				General and transferable skills (other skills related to employability and personal development)			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
1 st class 1 st course	BDEN001001 1	Medical Biology 1		✓	✓	□	□	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BDEN001002 1	Medical Physics 1		✓	✓	□	□	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BDEN001003 1	Medical Chemistry 1		□	✓	□	□	✓	✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓
	BDEN001004 1	General Anatomy 1		✓	✓	□	□	✓	□	□	□	✓	✓	□	□	✓	✓	□	□
	BDEN001005 1	Computers		✓	✓			✓	□	□	□	✓	✓	□	□	✓	□	□	□
	BDEN001006 1	Dental Anatomy 1		✓	✓	✓	□	✓	✓	✓	□	✓	✓	✓	✓	□	✓	✓	✓
	BDEN001007 1	Democracy and Human Rights		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓	□	□	□	□	□
1 st class 2 nd course	BDEN001008 2	Medical Biology 2		✓	✓	□	□	✓	✓	✓	□	✓	✓	✓	✓	□	□	□	□
	BDEN001009 2	Medical Physics 2		✓	✓	✓	□	□	✓	✓	□	□	✓	✓	□	□	□	✓	□

	BDEN001010 2	Medical Chemistry 2		✓	✓	□	□	✓	✓	□	□	✓	✓	□	□	□	□	□	□
	BDEN001011 2	التشريح العام		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓	✓	✓	✓	✓	✓
	BDEN001012 2	المصطلحات الطبية		✓	□	✓	□	✓	✓	□	□	✓	✓	□	□	□	□	□	□
	BDEN001013 2	تشريح الأسنان 2		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓	✓	✓	✓	✓	□
2 nd class 1 st course	BDEN001014 1	الانسجة العامة 1		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓	✓	✓	✓	✓	□
	BDEN001015 1	الفسلجة 1		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	✓	✓	✓	✓	✓	□
	BDEN001016 1	الكيمياء الحياتية 1		✓	□	□	✓	✓	✓	✓	□	✓	✓	✓	✓	✓	✓	✓	□
	BDEN001017 1	التشريح العام		✓	✓	□	□	✓	✓	✓	□	✓	✓	□	□	□	□	□	□
	BDEN001018 1	المادة السنية 1		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	□	□	□	□	□	□
	BDEN001019 1	أنسجة الفم		✓	✓	□	□	✓	✓	✓	✓	✓	✓	✓	□	✓	✓	□	□
	BDEN001020 1	جرائم حزب البعث البائد		✓	✓	□	□	✓	✓	□	□	✓	✓	□	□	□	□	□	□
	BDEN001021 1	صناعة الاسنان		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	□	□	✓	✓	□	□
2 nd class 2 nd course	BDEN001022 2	General histology 2		✓	✓	✓	✓	✓	✓	✓	□	✓	✓	□	□	✓	□	□	□
	BDEN001023 2	Physiology 2		✓	✓	□	□	✓	✓	□	□	✓	✓	□	□	✓	✓	✓	✓
	BDEN001024 2	Biochemistry 2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	□	✓	✓	□	□

	BDEN001025 2	General anatomy 2		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001026 2	Computer		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001027 2	Dental materials 2		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001028 2	Oral tissue 2		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001029 2	Prosthodontic 2		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
3 rd class 1 st class	BDEN001030 1	Microbiology 1		√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001031 1	Pharmacology 1		<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001032 1	Pathology 1		<input type="checkbox"/>	<input type="checkbox"/>	√	<input type="checkbox"/>	√	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>	√	√	√	√
	BDEN001033 1	Operative 1		√	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BDEN001034 1	X-Ray 1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BDEN001035 1	Oral surgery 1		√	√	√	√	√	√	√	√	√	√	√	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>
	BDEN001036 1	Prosthodontic 1		√	√	√	√	√	√	√	√	√	√	√	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>
	BDEN001037 1	Community 1		√	√	√	√	√	√	√	√	√	√	√	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>
3 rd class	BDEN001038 2	Microbiology 2		√	√	√	√	√	√	√	√	√	√	√	<input type="checkbox"/>	√	√	<input type="checkbox"/>	<input type="checkbox"/>

[illegible]

[illegible]

[illegible]