Ministry of Higher Education and Scientific Research

Scientific Supervision and Evaluation Authority

Quality Assurance and Academic Accreditation Department

Description of academic programs

University of Hilla

collegeof health and medical technology dental department

2026

University Name: University of Hilla

College/Institute: College of health and medical technology

Scientific Department: Departmentdental department

Academic or professional program name: Bachelor'sdental department

Final Certificate Name: Bachelor of Science indental department

Study systemcourse

:Date the description was prepared3/3/2026

:Date the file was filled out3/3/2026

:Signature

Head of Department: Dr. Mayada Kamel Jaafar

Date: 3/3/2026

:Signature

:Name of Scientific Assistant

:Date

Quality Assurance and University Performance Division The file was reviewed by

Name of the Head of the Quality Assurance and University Performance Division:

the date

the signature

Dean's approval

1. Vision

The vision of the Department of Dental Technology is to achieve a distinguished position in the academic and scientific community and to meet the needs of the specialized dental technology sector .in society and the job market

2. Program mission

The department seeks to broaden understanding of new and evolving areas of dental technology, in addition to strengthening professional relationships within the dental team, given the increasing demand in Iraq and .abroad for diverse practitioners in this field

3. Program Objectives

1- Preparing and graduating skilled medical and technical personnel to serve the community with high .levels of professionalism
2- Graduates acquire outstanding laboratory skills to perform manufacturing work, orthodontics, and .maxillofacial prosthetics
3- Working to monitor the scientific and academic community with the latest global technological .developments in the field of dentistry
4- .Providing medical services to patients directly through the college's dental consultation clinics
Building communication channels and enhancing academic cooperation with scientific departments in peer colleges

4. Program accreditation

Ministry of Higher Education and Scientific Research / College Accreditation Councilscollage of health and medical technology

5. External influences

Labor market - Field visits to government departments - Application

6. Program structure

*comments	percentage	Credit Hours	Number of courses	Program structure
	%8	16	7	**Institutional requirements**
	%16.5	32	8	**College requirements**
	%75	146	26	**Department requirements**
				Summer training
				Otherwise

1. Faculty

Faculty members

Instructor's Name	Scientific title	Specialization		Special requirements/skills (if any)		Faculty preparation	
		general	private			angel	lecturer
Dr. Mayada Kamel Jaafar	Professor Doctor	Oral and Dental Medicine and Surgery	PhD in Oral Histology			√	☐
M.M. Ahmed Hazem Kasoub	Assistant teacher	Dental manufacturing techniques	Master of Dental Technology			√	☐
M.M. Samah Khalil Radi	Assistant teacher	Dental manufacturing techniques	Master of Dental Technology			√	☐
M.M. Hussein Turki Hilal	Assistant teacher	General Chemistry	Master's degree in General Chemistry			√	☐
Prof. Dr. Ibrahim Mohammed Saeed	Professor .Dr	Clinical Immunology	PhD in Clinical Immunology			√	☐
M.M. Abdullah Fadel Noor	Assistant teacher	Computer Engineering	Master of Computer Engineering			√	☐
M.M. Ali Jawad Kadhim	Assistant teacher	Dental manufacturing techniques	Master of Dental Technology			☐	√
M.M. Alaa Jassim Mohammed	Assistant teacher	Dental manufacturing techniques	Master of Dental Technology			☐	√

Departmental Study Plan dental department

Academic stage	code The course or the course	name The course or Course	Credit Hours				Units
			theoretical	Teaching method	practical	Teaching method	
stage First First course	HDET41101	Dental material is essential		Lectures		application	4
	HDET41102	Basic dental equipment techniques		Lectures		application	4
	HDET41103	Basic dental anatomy		Lectures		application	4
	HDET41104	Occupational safety		Lectures		-	2
	HDET41105	Medical terminology		Lectures		-	2
	HDET41106	human rights		Lectures		-	2

				Choose .an item		Choose an .item	
				Choose .an item		Choose an .item	
First stage Second course	HDET41107	Dental material average		Lectures		application	4
	HDET41108	Advanced dental equipment technologies		Lectures		application	4
	HDET41109	Advanced dental anatomy		Lectures		application	4
	HDET41110	General Physics		Lectures		-	4
	HDET41111	Arabic		Lectures		-	2
	HDET41112	Computer Principles		Lectures		-	2
				Choose .an item		Choose an .item	
				Choose .an item		Choose an .item	
Phase Two First course	HDET41113	Advanced dental material		Lectures		application	4
	HDET41114	The complete set is basic		Lectures		application	4
	HDET41115	Crowns are essential		Lectures		application	4
	HDET41116	oral tissues		Lectures		-	3
	HDET41117	Basic Chemistry		Lectures		application	4
	HDET41118	**Crimes of the Ba'ath regime**		Lectures		-	2
				Choose .an item		Choose an .item	
Two Phase Second course	HDET41119	Partial kit is essential		Lectures		application	4
	HDET41120	Advanced crowns		Lectures		application	4
	HDET41121	oral physiology		Lectures		-	4
	HDET41122	Head and neck anatomy		Lectures		-	4
	HDET41123	Advanced Chemistry		Lectures		application	4
	HDET41124	Arabic		Lectures		-	2
	HDET41125	Computer applications		Lectures		application	2
Phase Three First course	HDET41126	The partial removable medium		Lectures		application	4
	HDET41127	The complete set is medium		Lectures		application	4
	HDET41128	Bridges are essential		Lectures		application	4
	HDET41129	Orthodontics is essential		Lectures		application	4
	HDET41130	Oral diseases		Lectures		-	2
Phase Three	HDET41131	Bridges advanced		Lectures		application	4

Second course	HDET41132	Essential facial and jaw prosthetics		Lectures		application	4
	HDET41133	Intermediate orthodontics		Lectures		application	4
	HDET41134	oral bacteria		Lectures		-	3
	HDET41135	**Research methods**		Lectures		-	1
The fourth trip First course	HDET41136	Advanced removable partial set 1		Lectures		application	4
	HDET41137	The complete advanced set 1		Lectures		application	4
	HDET41138	Crowns and bridges are essential		Lectures		application	4
	HDET41139	Advanced Orthodontics 1		Lectures		application	4
	HDET41140	Average facial and jaw prosthetics		Lectures		application	4
	HDET41141	Dental implants		Lectures		application	4
Phase Four Second course	HDET41142	,Partial set movable 2		Lectures		application	4
	HDET41143	The complete advanced set 2		Lectures		application	4
	HDET41144	Advanced Orthodontics 2		Lectures		application	4
	HDET41145	Crowns and bridges advanced		Lectures		application	4
	HDET41146	Advanced facial and jaw prosthetics		Lectures		application	4
	HDET41147	Professional ethics		Lectures		-	2
	HDET41148	Graduation project		Lectures		application	4

1. Expected learning outcomes of the program

of Knowledge Pain	
Methods for assessing knowledge and understanding	**Learning outcomes**
A. -:Knowledge and Understanding **1-** Teaching the student topics related to the specialization of dental technology **2-** Preparation and Preparation of the Different Methods Used in Dental Industry Techniques 3- Interpret the results obtained from the analysis and their compatibility with the diagnosis of the condition	1- Weekly Practical Experience Reports 2- Periodic Tests of Theoretical Materials 3- Theoretical and practical semester .exams **4-** Theoretical and practical final **exams**
Skills	
Methods for assessing thinking skills	**Learning outcomes**
1. - : Thinking Skills • ,The student is qualified to work in the field of dental industry .clinical monitoring, and work on industrial devices • To be distinguished theoretically and practically by providing the best knowledge programs in the field of dentistry	1- Using logic to evaluate an answer 2- Identifying Errors to Evaluate the Answer 3- Evaluating the effectiveness of the methods adopted to solve the

• Focusing on the applied aspect of education to be a distinguished • .cadre in the field of dentistry • Adopt creative and innovative ideas, projects, and plans in improving .the education of dental industry techniques • Certificate awarded to the graduate: Bachelor of Dental Industry Technician. The graduate is awarded the title of Medical .Technician/Dental Industry	problem **4-** Supporting Opinions with Evidence
Statement of learning outcomes 1. :Professional and Practical Skills **1.** Qualifies students to work as medical technicians in the field of dental industry technologies 2. Diagnosis in the departments of dental technology in hospitals .and health centers The student mastered the theoretical scientific material •	• :Professional and practical skills • **Learning Outcomes Statement** • **Methods of assessing practical :skills** • Practical skills are assessed by individual differences between students and the methods specific .to each practical subject
Values	
Statement of learning outcomes	**Learning outcomes**
• Participation of students in community events outside the college campus • Visiting community institutions and reviewing the conditions of those in them • Good choice of research project titles, novelty and innovation in the way they are presented • Research projects successfully pass plagiarism tests	• The student must master the basics of civil society • The student must be an active member of the community • The student should understand the formulation of research projects • The student should know the ethics of research writing and scientific honesty

2. Teaching and learning strategies

- Lecture
- Dialogue and discussion
- Cooperative learning (dividing into groups)
- brainstorming
- Reciprocal teaching
- Lectures should be posted on the college or department website for all instructors .and all course materials
- Using the display screen and audio equipment
- Writing research papers and reports in English
- Speaking English in class and when participating
- Conducting research and experiments to achieve the Sustainable Development Goals

3. Evaluation methods

- The direct method of asking and answering questions in the lecture
- Expected and surprise daily exams
- Evaluating research and assessing its writing in terms of style, expression, and .spelling
- Asking questions to measure listening and attention in English
- Student participation in evaluating the performance of their peers
- Practical assessment tests for listening, speaking, and reading
- Monthly and term exams
- Final theoretical exams

Professional Development
Orienting new faculty members
• Working on diversifying classroom management and lecture delivery methods • New faculty members are subject to visits from the department head and senior faculty members .during lectures • .Conducting personal interviews to assess the instructor's competence and teaching skills • Publishing research in international journals with impact factors, writing books, and participating in .workshops and conferences
Professional development of faculty members
• .The academic program is reviewed periodically in order to identify and fix its shortcomings • .Annual evaluation of each unit by the head of department or the department coordinator • .Periodic faculty reviews of the academic program • Establishing an external advisory body for the department that includes representatives of the .student and beneficiaries of this course • .Periodic evaluation of faculty members by the head of department • .Student evaluation of faculty members using electronic surveys • .Faculty member self-assessment • .Student evaluation of an academic stage using an electronic survey method • Coordinating with the Quality Division in the college and university to follow up on the .implementation of the academic program in the department
7. Personal Development Planning
1. Identifying the social determinants of health to reduce disparities and inequalities in access to good .care 2. ,Self-awareness (self-consciousness) 0 Examining and reflecting on one's personal knowledge, skills abilities, beliefs, biases, motivations, and emotions that can enhance or limit personal and .professional growth 3. Professionalism 0 Demonstrate behaviors and values consistent with the trust that patients, other .healthcare providers, and the community place in the profession 4. The learner (student) develops, integrates, and applies knowledge from foundational sciences (such as dentistry, social/behavioral/managerial, and clinical sciences) to 5. Evaluating scientific literature, explaining drug action, solving therapeutic problems, and promoting .population health. Patient-centered healthcare 6. Designing prevention, intervention, and education strategies for individuals and communities to .manage chronic diseases and improve health 7. Educating all audiences by identifying the most effective and sustainable methods for conveying .information and assessing understanding
8. Admission criteria
1. The general average for central admission, which is within the applicable limits and according to the .directives of the Ministry of Higher Education and Scientific Research 2. Personal interview with students applying for admission and recording speech, behavioral or

.personality defects

4. **Key sources of information about the program**
The College's Quality Division, through the University's Quality Division, adheres to quality requirements and aims to raise the scientific, cognitive, skill-based, and research standards, in accordance with the data of the Ministry of Higher Education and Scientific Research, which seeks, along with global quality requirements, to raise the efficiency of academic programs in .line with international standards

5. Program development plan
Working to encourage students to use medical books ● Working on developing conversation, translation, and reading skills by utilizing websites and ● .other resources .The other contemporary one Working to encourage students to learn about the most important medical books ●

Curriculum Skills Plan

outputs Learning Required From the program

Year Level	Subject code	Name of the subject	essential Or optional	Goals				Skills				Values			
				A 1	A 2	A 3	A4	1B	2B	3B	4B	1C	2C	3C	4C
First stage	HDET41101	Dental Materials – Basic	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41102	Dental Technology Techniques – Basic	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41103	Dental Anatomy – Basic	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41104	Occupational Safety	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41105	Medical Terminology	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41106	Human Rights	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41107	Dental Materials – advance	essential	√	√	☐	☐	☐	√	√	√	√	√	☐	☐
	HDET41108	Dental Technology Techniques – advance	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41109	Dental Anatomy – advance	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41110	General Physics	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41111	Arabic Language	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41112	Computer Principles	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
The second stage	HDET41113	• Dental Materials – Intermediate	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41114	• Complete Denture – Basic	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41115	• Crowns – Basic	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41116	• Oral Histology	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41117	• Chemistry – Basic	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41118	• Crimes of the	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐

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outputs Learning Required From the program

Year Level	Subject code	Name of the subject	essential Or optional	Goals				Skills				Values			
				A 1	A 2	A 3	A4	1B	2B	3B	4B	1C	2C	3C	4C
		Ba'ath Regime													
	HDET41119	• Removable Partial Denture – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41120	Crowns – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41121	• Oral Physiology	optional	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41122	• Head and Neck Anatomy	optional	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41123	• Chemistry – Advanced	optional	□	√	√	□	□	√	√	√	√	√	□	□
	HDET41124	• Arabic Language	optional	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41125	• Computer Applications	optional	□	√	√	□	□	√	√	√	√	√	□	□
Phase Three	HDET41126	• Removable Partial Denture – Intermediate	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41127	• Complete Denture – Intermediate	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41128	• Bridges – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41129	• Orthodontics – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41130	• Oral Pathology	optional	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41131	• Bridges – Advanced	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41132	• Maxillofacial Prosthodontics – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41133	• Orthodontics – Intermediate	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41134	• Oral Microbiology	optional	□	√	√	□	□	√	√	√	√	√	□	□
	HDET41135	Research Methods	essential	□	√	√	□	□	√	√	√	√	√	□	□
The four stages	HDET41136	• Removable Partial Denture – Advanced 1	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41137	• Complete Denture – Advanced 1	essential	√	√	√	□	□	√	√	√	√	√	□	□
	HDET41138	• Crowns and Bridges – Basic	essential	√	√	√	□	□	√	√	√	√	√	□	□

Curriculum Skills Plan

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Year Level	Subject code	Name of the subject	essential Or optional	Goals				Skills				Values			
				A 1	A 2	A 3	A4	1B	2B	3B	4B	1C	2C	3C	4C
	HDET41139	• Orthodontics – Advanced 1	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41140	• Maxillofacial Prosthodontics – Intermediate	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41141	• Dental Implants	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41142	• Removable Partial Denture – Advanced 2	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41143	• Complete Denture – Advanced 2	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41144	• Crowns and Bridges – Advanced	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41145	• Orthodontics – Advanced 2	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41146	• Maxillofacial Prosthodontics – Advanced	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41147	• Professional Ethics	optional	√	√	√	☐	☐	√	√	√	√	√	☐	☐
	HDET41148	• Graduation Project	essential	√	√	√	☐	☐	√	√	√	√	√	☐	☐