Republic of Iraq
Ministry of Higher Education & Scientific
Research Supervision and Scientific
Evaluation Directorate Quality Assurance and
Academic Accreditation International
Accreditation Dept.

Academic Program Specification Form For The Academic

University: Kirkuk
College : Dentistry
Number Of Departments In The College:
Date Of Form Completion :30/8/2021

Dean 's Name Date :

Date :30/ 7 /2021

Signature

Dean 's Assistant For
Scientific Affairs
Rafah sami ayoub
Nshat Rashid ALE

Date 30/7/2021
Signature

The College Quality
Assurance And University
Performance Manager
Amjed Abawi Saleh
Date :30 /7/2021
Signature

Quality Assurance And University Performance Manager: athraa tireq abd alwahd

Date: 31/8 /2021
Signature

أ.د احمد عبد ابراهيم
مساعد رئيس الجامعة
للشؤون العلمية والدراسات العليا
16-9-2021

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the program.

1. Teaching Institution	
2. University Department/Centre	University of Kirkuk
3. Program Title	Academic description program
4. Title of Final Award	Bachelor of Dental and Oral Surgery
5. Modes of Attendance offered	annual
6. Accreditation	Theoretical + Practical
7. Other external influences	Pursuing curricula in reputable international universities in the same major
8. Date of production/revision of this specification	
9. Aims of the Program	
1- Knowledge and comprehension of general medicine and dentistry principles and fundamentals, as well as associated local, regional, and worldwide standards	
2- The development of critical thinking abilities in order to make vital medical decisions based on data rather than intuition and opinions.	
3- Problem-solving, decision-making, and effective communication skills are all developed.	
4- Encourage teamwork and, where appropriate, adopt the leadership role that has been assigned to it.	
For the first three stages, the Basic Sciences Branch covers basic medical sciences in both theoretical and practical areas, including medical and biochemistry, physiology, tissues, microbiology, pathology, pharmacology, medical physics, and medical biology, as well as computers and human rights.	

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals:

A1. The goal of medical physics is to learn how to apply physical laws to the human body, such as electrical, mechanical, movement, hydrostatic and dynamic pressure, sound, hearing, light, vision, and so on. Furthermore, researching medical equipment utilized in the diagnosis and treatment of certain pathological disorders, as well as the impact of their operation on the human body.

A2. Teaching students how to cope with chemicals, introducing them to important molecules in the human body, doing lab tests to detect them, and learning how to recognize biochemistry, its purpose, and examinations.

A3. Biological skills by studying animal cells, parasitology and genetics

A4. Teaching children about the human body's general tissues and tissue systems, as well as their connections to diseases, particularly oral diseases.

A5. Understand the physiology of the different body systems.

A6. Microbiology and its branches, which include the study of bacteria, immunology, and viruses, as well as parasites and fungus, particularly those relevant to oral disorders, are taught to students. As well as the ability to select the proper drug for each pathological condition, as well as the drug's mode of action and side effects.

B. The skills goals special to the programme .

B1. Conduct chemical diagnostic, bacteriological, immunological, and parasitological tests in the laboratory.

B2. Microscopic investigation of tissues, bacteria, and biological components, as well as knowledge of how medical devices work.

B3. The ability to recognize and prescribe therapeutic medications based on physiological changes in all bodily systems.

Teaching and Learning Methods

- Providing students with the basics and additional topics related to the knowledge and systems described in the cognitive objectives, to solve practical problems.
- Clarification and explanation of the courses by the academic staff.
- Providing students with knowledge through homework.
- Requesting students to visit the college library to obtain academic knowledge related to the curriculum.
- Embracing e-learning through improving students' capacity to use virtual educational programs and websites, as well as encouraging students to visit websites to learn more about the curriculum..

Assessment methods

- Quick Daily Quizzes.
- Preparing reports and other homework.
- Semester exams for both theoretical and practical aspects.
- Semi-annual and final exams for both theoretical and practical aspects.

C. Affective and value goals

C1. Curriculum development and updating.

C2. Developing the skills and expertise of the teaching staff.

C3. Urging students and educational staff to use the latest scientific resources and self-

development.

C4. Preparing a dentist with high medical values to deal with the patient and how to diagnose and treat professionally.

Teaching and Learning Methods

- Create a strategy for asking practical and theoretical test questions, as well as for administering daily, quarterly, and final exams.
- Put what you've learned in theory into practice.
- Using a PowerPoint presentation, other illustrative materials, and scientific films, explain and debate the theoretical lecture.

Assessment methods

- Daily exams with multiple-choice questions that require practical skills.
- Daily exams with practical questions.
- Quarterly exams.
- Daily assessment of student work in scientific laboratories.
- Grading the assigned homework.

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. Allow the student to develop communication and bargaining skills in a variety of situations.

D2. Enable the student to acquire leadership and management skills.

D3. Preparing students to pass professional exams.

D4. Encourage students to continue their personal and professional development beyond graduation.

Teaching and Learning Methods

- Working with the Iraqi Committee of Deans of Dental Faculties to develop educational programs.
- Examining and adjusting curricula in light of advancements in dental sciences.
- Training students in hospitals and dental clinics.
- Create instructional curricula in a setting that is analogous to the workplace.

Assessment Methods

- A variety of questionnaires pertaining to the scientific subject, curriculum, and practical application.
- Points for competition questions that are linked to the topic.

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
1st stage	DEBS-103	Medical Chemistry	8	Bachelor Degree Requires (x) credits
1st stage	DEBS-104	Medical Biology	6	
1st stage	DEBS-101	Medical Physics	6	
1st stage	DEOD-105	Dental anatomy	4	
1st stage	DEBS-107	English &Terminology	2	
1st stage	DEBS-102	Computers	4	
1st stage	DEBS-106	Human Rights & Democracy	1	
2nd stage	DEBS-209	Medical Physiology	6	
2nd stage	DEBS-213	General Histology	6	
2nd stage	DEBS-210	Oral Histology & Embryology	4	
2nd stage	DEBS-212	Biochemistry	6	
2nd stage	DEBS-208	Human Anatomy	6	
2nd stage	DEPD-210	Dental Material	6	
2nd stage	DEPD-412	Prosthodontic	6	
3rd stage	DEBS-318	Microbiology	6	
3rd stage	DEBS-320	Pharmacology	6	
3rd stage	DEOS-319	General Pathology	6	
3rd stage	DEPD-316	Prosthodontic	10	
3rd stage	DEOS-317	Oral surgery	3	
3rd stage	DEOS-322	General Surgery	2	
3rd stage	DEOD-321	Operative Dentistry	10	
3rd stage	DEOS-323	General Medicine	2	

4th stage	DEOS-424	Periodontics	4
4th stage		Community Dentistry	4
4th stage	DEOR-431	Orthodontics	4
4th stage	DEOS-426	Oral Surgery	8
4th stage	DEOD-429	Operative Dentistry	6
4th stage	DEOS-430	Oral Pathology	5
4th stage	DEOD-427	Prosthodontic	6
4th stage	DEOS-425	Dental Radiology	4
5th stage	DEOS-537	Periodontics	6
5th stage	DEOR-534	Preventive Dentistry	4
5th stage	DEOS-532	Oral Surgery	6
5th stage	DEPD-539	Prosthodontic	6
5th stage	DEOD-535	Operative Dentistry	6
5th stage	DEOR-538	Orthodontics	4
5th stage	DEOR-538	Paedodontics	4
5th stage	DEOS-533	Oral Medicine	4

13. Personal Development Planning

- Incorporating lectures on human development into the curriculum.
- A small group learning curriculum for critical thinking, communication, and leadership will be introduced.

14. Admission criteria .

Central admission / according to the requirements of the Ministry of Higher Education and Scientific Research

15. Key sources of information about the programme

- The central libraries the university and college.
- Internet information network.
- Arab and international universities experiences.
- The current curricula.

Curriculum Skills Map

please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed

				Programme Learning Outcomes													
Year / Level	Course Code	Course Title	Core (C) Title or Option (O)	Knowledge and understanding				Subject-specific skills				Thinking Skills				General (or) C employ	
				A 1	**A 2**	**A 3**	**A 4**	**B 1**	**B 2**	**B3**	**B 4**	**C 1**	**C2**	**C3**	**C 4**	**D 1**	

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification gives a quick overview of the course's primary features and the learning outcomes that a typical student should be able to attain and demonstrate if he or she takes full use of the learning opportunities available. It should be compared to the program's specifications.

1. Teaching Institution	University of Kirkuk/ collage of dentistry
2. University Department/Centre	University of Kirkuk
3. Course title/code	Academic description program
4. Modes of Attendance offered	Bachelor of Dental and Oral Surgery
5. Semester/Year	Annual
6. Number of hours tuition (total)	2145 hours
7. Date of production/revision of this specification	
8. Aims of the Course	
1- Knowledge and comprehension of general medicine and dentistry principles and fundamentals, as well as associated local, regional, and worldwide standards	
2- The development of critical thinking abilities in order to make vital medical decisions based on data rather than intuition and opinions.	
3- Problem-solving, decision-making, and effective communication skills are all developed.	
4- Encourage teamwork and, where appropriate, adopt the leadership role that has been assigned to it.	
For the first three stages, the Basic Sciences Branch covers basic medical sciences in both theoretical and practical areas, including medical and biochemistry, physiology, tissues, microbiology, pathology, pharmacology, medical physics, and medical biology, as well as computers and human rights.	

A- Cognitive goals .

A1.qualifing students in the field of dentistry and oral surgery

A2.parts of studies and scientific research to identify and diagnosis of oral health problems in the community.

A3. Keeping pace with the development in the field of using modern devices and various educational means.

B. The skills goals special to the course.

B1. the skill objectives of the graduate and strengthening the graduates self – confidence while practicing the profession in the practical environment

B2.improving the practice and acquiring the necessary skill in the performance with a focus on ethics and regulation related to its practice

B3.clarify the rights, duties and responsibilities of the dentist and the importance of this when practicing the profession

Teaching and Learning Methods

1. Delivering information to the student with the latest scientific means.
2. Qualifying the student for valuable scientific and cognitive qualification to advance the reality of scientific research.
3. Delivering teaching staff to graduate a group of component and creative students in the community.

Assessment methods

1. Applying the latest and best current theoretical and clinical training methods to ensure that the educational outcomes are based on solid scientific foundation.
2. Clinical work that determines students skill and the ability they have to start the actual practice of the profession later

C. Affective and value goals

C1.emphases on standards ethical practice of the profision

C2.commitment to work as a team to achieve a common vision

C3.complete confidentially of patients secrets and not revealing their cases

except to the official authorities

Teaching and Learning Methods

1. Presentations (seminars)
2. Scientific poster secession
3. Scientific debates (debate secession)

Assessment methods

1. Through clinical work within the private clinics of the educational institution (outpatient clinic of the collage)
2. By measuring the extent of willingness to cooperate and work together to search for problems and find solutions to them.
3. Preparing questionnaires to collect opinions related to the emotional and value aspects when practicing the profession.

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)

D1.preparing the qualifying dentist with scientific knowledge, abilities and professional skills so that they are able to solve health problems at the national and international levels in the field of dentistry.

D2. Training graduates on oral tooth culture, diagnosis and treatment plan, monitoring, participation in surgical implantation and completion of the final restoration.

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1st stage			Medical Chemistry		
1-15	75	Understanding of organic chemistry and link it with dentistry	Organic Chemistry	PowerPoint application + practical part	Daily and monthly tests Direct questions
16-30	75	Understanding of inorganic compounds, measurement of concentrations, and an introduction to biological compounds	Inorganic, analytical and biological chemistry	PowerPoint application + practical part	Daily and monthly tests Direct questions
1st stage			Medical Physics		
1-15	60	- Introduce of medical physics. -Medical physics applications to different parts of the human body	Biophysics	PowerPoint application + practical part	Daily and monthly tests Direct questions
16-30	60	Familiarize students with medical physical devices and their uses	Biophysics	PowerPoint application + practical part	Daily and monthly tests Direct questions
1st stage			Medical Biology		
1-15	60	animal cell + genetics	general biology	PowerPoint application + practical part	Daily and monthly tests Direct questions
16-30	60	bacteria + parasites	microbiology	PowerPoint application + practical part	Daily and monthly tests Direct questions
1st stage			English language and terminology		
1-15	30	Develop the student's skill in the English language	English language	PowerPoint application	Daily and monthly tests Direct questions
16-30	30	Terminology of medicine and dentistry	medical terminology	PowerPoint application	Daily and monthly tests Direct questions
1st stage			Human rights and Democracy		
1-15	15	The role of human civilizations and their role in consolidating the principles of human rights	Human rights	PowerPoint application	Daily and monthly tests Direct questions
16-30	15	Contemporary Societies and Freedom of Expression	Democracy	PowerPoint application	Daily and monthly tests Direct questions
1st stage			Computers		
1-15		Computer maintenance + power point application + practical part	Computers applications	PowerPoint application + practical part	Daily and monthly tests Direct questions
16-30		Word, Excel and Access applications + practical part	Computers applications	PowerPoint application + practical part	Daily and monthly tests Direct questions
1st stage			Dental Anatomy		
1-15					Daily and monthly

					tests
16-30					Direct questions
2nd stage			Human anatomy		
1-15	60	Human body parts	General Human anatomy		Daily and monthly tests
16-30	60	Head and oral anatomy	Human head anatomy		Direct questions
2nd stage			General Histology		
1-15	60	General tissues of human body	General Histology		Daily and monthly tests
16-30	60	Ligaments and tendons	General Histology		Direct questions
2nd stage			Biochemistry		
1-15	60	Enzymes, vitamins, digestion and absorption	Biochemistry		Daily and monthly tests
16-30	60	carbohydrates, proteins, fats and minerals metabolism	Biochemistry		Direct questions
2nd stage			Medical physiology		
1-15		Muscle and nerve physiology and central nervous system anatomy	Medical physiology		Daily and monthly tests
16-30		Cardiac subtraction, ECG, pressure measuring, gas exchange and endocrinology	Medical physiology		Direct questions
2nd stage			Oral Histology & Embryology		
1-15		The emergence and development of the three germ layers, facial tissue, tongue and gums	Oral Histology & Embryology		Daily and monthly tests
16-30		Evolution and growth of teeth from the anatomical and histological point of view and the study of the tissues of the mucous layer of the mouth, gums, lips and salivary glands	Oral Histology & Embryology		Direct questions
2nd stage			Dental Material		
1-15					Daily and monthly tests
16-30					Direct questions
2nd stage			Prosthodontics		
1-15					Daily and monthly tests
16-30					Direct questions
3rd stage			Microbiology		
1-15		Types of pathogenic germs	Microbiology		Daily and monthly tests
16-30		Types of pathogenic germs	Microbiology		Direct questions
3rd stage			Pharmacology		
1-15		Medicines used to treat diseases	Pharmacology		Daily and monthly tests
16-30		Medicines used to treat diseases	Pharmacology		Direct questions
3rd stage			Pathology		

1-15		The causes of cell death and inflammation and the process of demolition and repair of cells and the concept of genetics and immune diseases	Pathology		Daily and monthly tests
16-30		Identify the different types of tumors and digestive system diseases and respiratory and circulatory system and blood diseases	Pathology		Direct questions
3rd stage			Operative		
1-15		Preclinical Treatment of carious tooth by amalgam and composite filling	Operative		Daily and monthly tests
16-30		Preclinical Treatment of carious tooth by amalgam and composite filling	Operative		Direct questions
3rd stage			General surgery		
1-15		Basic principle of Surgery	General surgery		Daily and monthly tests
16-30		Basic principle of Surgery	General surgery		Direct questions
3rd stage			General medicine		
1-15		Basic principle and treatment of medical disease	General medicine		Daily and monthly tests
16-30		Basic principle and treatment of medical disease	General medicine		Direct questions
3rd stage			Prosthodontics		
1-15		Preclinical and laboratory construction of Cr-Cobalt and acrylic partial denture	Prosthodontics		Daily and monthly tests Direct questions
16-30		Preclinical and laboratory construction of Cr-Cobalt and acrylic partial denture	Prosthodontics		Daily and monthly tests Direct questions
		4th stage		Operative	
1-15		clinical Treatment of carious tooth by amalgam and composite filling	Operative		Daily and monthly tests
16-30		clinical Treatment of carious tooth by amalgam and composite filling	Operative		Direct questions
		4th stage		O. Surgery	
1-15		Clinical tooth extraction and treatment of post extraction complication	O. Surgery		Daily and monthly tests
16-30		Clinical tooth extraction and treatment of post extraction complication	O. Surgery		Direct questions
		4th stage		Periodontology	
1-15		Scaling and polishing	Periodontology		Daily and monthly tests
16-30		Scaling and polishing	Periodontology		Direct questions
		4th stage		Prosthodontics	
1-15		Clinical construction of complete and partial denture	Prosthodontics		Daily and monthly tests
16-30		Clinical construction of complete and partial denture	Prosthodontics		Direct questions
		4th stage		O. Pathology	
1-15		histopathology of oral surgical disease	O. Pathology		Daily and monthly

					tests
16-30		histopathology of oral surgical disease	O. Pathology		Direct questions
		4th stage		Community	
1-15		Statistic of oral disease	Community		Daily and monthly tests
16-30		Statistic of oral disease	Community		Direct questions
		4th stage		Radiology	
1-15		Radiological examination of oral and maxillofacial disease	Radiology		Daily and monthly tests
16-30		Periapical radio graphical examination of teeth	Radiology		Direct questions
		4th stage		Orthodontic	
1-15		Information about facial growth and orthodontic treatment by removable appliance	Orthodontic		Daily and monthly tests
16-30		Wire bending and construction of removable appliance	Orthodontic		Direct questions
		4th stage		Operative	
1-15		Clinical Treatment of carious tooth by endodontic filling + crown and bridge	Operative		Daily and monthly tests
16-30		Clinical Treatment of carious tooth by endodontic filling + crown and bridge	Operative		Direct questions
		4th stage		O. Surgery	
1-15		Clinical tooth extraction and treatment of post extraction complication and minor oral surgical operations	O. Surgery		Daily and monthly tests
16-30		Clinical tooth extraction and treatment of post extraction complication and minor oral surgical operations	O. Surgery		Direct questions
		4th stage		Periodontology	
1-15		Periodontal surgery of periodontal disease	Periodontology		Daily and monthly tests
16-30		Periodontal surgery of periodontal disease	Periodontology		Direct questions
		4th stage		Prosthodontics	
1-15		Clinical construction of complete and partial denture	Prosthodontics		Daily and monthly tests
16-30		Clinical construction of complete and partial denture	Prosthodontics		Direct questions
		4th stage		O.Medicine	
1-15		Management of oral medical disease	O. Medicine		Daily and monthly tests
16-30		Management of oral medical disease	O. Medicine		Direct questions
		4th stage		prevention	
1-15		Prevention of dental decay in pediatric patient	prevention		Daily and monthly tests
16-30		Prevention of dental decay in pediatric patient	prevention		Direct questions

		4th stage		Peidodontics	
1-15		Treatment of dental decay in pediatric patient	Peidodontics		Daily and monthly tests
16-30		Treatment of dental decay in pediatric patient	Peidodontics		Direct questions
		4th stage		Orthodontic	
1-15		Orthodontic treatment by fixed appliance	Orthodontic		Daily and monthly tests
16-30		Orthodontic treatment by fixed appliance	Orthodontic		Direct questions

11. Infrastructure	
1. Books Required reading:	Human biology Medical physiology Medical biochemistry Human anatomy Killey and key (fracture mandible) Killey and key(middle third fracture) Key (outline of oral surgery part I and II) Essential oral histology and embryology MC donald and every Dentistry for the child and adolescence Wheelers Dental Anatomy physiology and occlusion 10th edition Stanley nelson Philips Science and dental malenel 12th editions. Ingles endodontic 6th edition Monheims local Anesthesia and pain control dental practice Carranzas clinical periodontology 12th edition Sturdevants Art and science of operative dentistry 7th edition Contemporary of fixed prosthodontics Comprehensive preventive dentistry MC Crankes removable partial denture
2. Main references (sources)	Dental microbiology Gyton and Ganon human physiology
A- Recommended books and references (scientific journals, reports…).	Journal of medical microbiology Control of disease center Journal of biochemistry
B-Electronic references, Internet sites…	

12. The development of the curriculum plan
• Seeking to increase the institution's budget to secure the budget for additional lectures and collaborators from outside the institution to improve the level of scientific performance of students through matching the ratio of faculty members to the number of male and female students • Seeking to implement the national standards for educational laboratories that achieve the objectives of the educational program to raise the level of the educational laboratory that secures the continuous development and improvement of the educational institution’s outputs