Ministry of Higher Education and Scientific Research Scientific Supervision and Scientific Evaluation Apparatus Directorate of Quality Assurance and Academic Accreditation Accreditation Department

Academic Program Description Form

University Name: .... Al Qasim Green University.....

Faculty/Institute: ..... College of Science.....

Scientific Department: ..... Pathological analysis.....

Academic or Professional Program Name: . Bachelor's degree... Pathological Analysis Sciences..... Final Certificate Name: .... Bachelor's degree... Pathological Analysis Sciences.....

Academic System: …… courses

Description Preparation Date: 24/3/2024

File Completion Date:24 /3/2024

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department: Date:

Signature Approval:

.1 **Program Vision**
The College of Science seeks to prepare graduates in the field of pathological analysis sciences to work in government departments and benefit from specialization in the practical and applied field.website.

.3 **Program Objectives**
1. Knowledge and understanding of pathological analysis science and related local, regional and global standards. 2. Scientific and research skills that enable identifying all types of diseases and pathogenic factors affecting human health. 3. Research and thinking skills, as well as analysis, enable solving problems related to diseases that affect living organisms, especially the human race, in accordance with approved international standards. 4. Employment and self-development skills enable competition with others in the labor market. 5. Academic and research skills that enable competition in postgraduate studies.achieve.

.4 **Program Accreditation**
Nothing

.5 Other external influences
Nothing

.6 Program Structure				
Program Structure	**Number of Courses**	**Credit hours**	**Percentage**	**Reviews***
Institution Requirements	**35**	**101**		
College Requirements	**Yes**			
Department Requirements	**Yes**			
Summer Training	**Yes**			
Other				

*** This can include notes whether the course is basic or optional.**

.7 Program Description					
Year/Level	Course Code	Course Name	Credit Hours		
2023-2024 /Second	Path-211	Human tissue	2/theoretical	2/3practical	
	Path-212	Pathogenic bacteria	2	2	3
	Path-213	Medical viruses	2	2	3
	Path-214	Basics of physiology	2	2	3
	Path-215	Primary parasites	2	2	3
	UNI-103	computer applications	2	2	3
	Path-221	Preparations and tissue culture	2	2	3
	Path-222	Medical fungi	2	2	3
	Path-223	Basics of immunology	2	2	3
	Path-224	Medical physiology	2	2	3
	Path-225	Parasitic worms	2	2	3
	Path-226	Biochemistry	2	2	3
	Path-212	Pathogenic bacteria	2	2	3
2023-2024 /Third	Path-312	Clinical immunology	2	2	3
	Path-325	Basics of hematology	2	2	3
	Path-313	Medical molecular biology	2	2	3
	Path-322	Human genetics	2	2	3
	Path-225	Medical parasitic worms	2	2	3
	Path-315	Microbial diagnosis	2	2	3
	Path-321	Microbial genetics	2	2	3
	Path-323	Clinical enzymes	2	2	3
	Path-311	Forensic evidence	2	-	2
	Path-314	Quality and control laboratories	2	2	3
	Path-324	Antibiotics	2	2	3
2023-2024 /Fourth	Path-412	Bioinformatics	2	2	3
	Sc-path421	Endocrine glands	2	2	3
	Sc-path422	Tissue diseases	2	2	3
	Sc-path423	Genetic Engineering	2	-	2
	Sc-path425	toxicology	2	2	3
	Sc-path426	Research project	2	2	3
	Sc-path424	Epidemiology	2	2	3

	Path-411	**Blood diseases**	**2**	**2**	**3**
	Path-415	**Embryology**	**2**	**2**	**3**
	Path-413	**Medical biotechnology**	**2**	**-**	**2**
	Path-416	**Serums and vaccines**	**2**	**2**	**3**

.8 Expected learning outcomes of the program	
Knowledge	
Learning Outcomes 1	**1- Enabling students to obtain knowledge and understanding of the intellectual and skill framework of the Pathological Analysis Department** **A2 - Enabling students to obtain knowledge and understanding of the ethics of the pathological analysis profession and applied medical sciences** **A3 - Enabling students to obtain knowledge and understanding of pathogens** **A4 - Enabling students to obtain knowledge and understanding of pathogens and their transmission methods** **A5 - Enabling students to obtain knowledge and understanding of the physical, chemical and biological causes affecting humans** **A6 - Enabling students to obtain knowledge and understanding of microorganisms and the environment affecting human health**
Skills	
- **Enabling students to solve problems related to pathological analyses.**	
Ethics	
- **Developing students' abilities to share ideas**	

.9 Teaching and Learning Strategies

Providing students with the basics and additional topics in-depth with the previous learning outcomes of skills, to solve scientific problems at the scientific level in various fields of pathological analysis.

.10 Evaluation methods
Daily and monthly exams • Weekly reviews and participation grades for academic topics • Grades for weekly reports and activities • Mid-term and final exams

.11 Faculty						
Faculty Members						
Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor	Physics	Nano physics			-	
Assistant Professor	Medical microbiology	Viruses			-	
Assistant Professor	Chemistry sciences	organic chemistry			-	
Assistant Professor	Biology	Medical microbiology			-	
Assistant Professor	Biology	Faslaja is an animal			-	
Assistant Professor	Biology	animal physiology			-	
Teacher	Medical microbiology	Bacterial genetics			-	
Teacher	Biology	animal physiology			-	
Teacher	Chemistry Science	Biochemistry			-	

Assistant Professor	**mathematics**	**Lime**			**-**	
Teacher	**mathematics**	**Dynamic systems**			**-**	
Assistant Professor	**Arabic**	**Methods of teaching the Arabic language**			**-**	
assistant teacher	**Biology**	**Pathogenic bacteria**			**-**	
assistant teacher	**Biology**	**parasites**			**-**	
assistant teacher	**English**	**Teaching methods**			**-**	
assistant teacher	**Physics**	**Applied medical physics**			**-**	
assistant teacher	**General physics**	**physics**			**-**	
assistant teacher	**Biology**	**Fungi**			**-**	
assistant teacher	**Medical microbiology**	**Bacteria**			**-**	
assistant teacher	**Physics Science**	**Laser**			**-**	
assistant teacher	**Biotechnology**	**Tissues and physiology**			**-**	
assistant teacher	**Chemistry sciences**	**analytical chemistry**			**-**	
assistant teacher	**Chemistry sciences**	**Nano**			**-**	
Assistant Professor	**psychology**	**Social Psychology**			**-**	

Professional Development
M entoring new faculty members
1. Teamwork: Working within the group effectively and actively **2. Time management: Managing time effectively and setting priorities with the ability to work organized by appointments**
Professional development of faculty members
1. Leadership: The ability to direct and motivate others **2. Independence at work**

.12 Acceptance Criterion

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

.13 The most important sources of information about the program

The central library at the university and college
- Internet information network
- Experiences of Arab and international universities
- Current curriculum

.14 Program Development Plan

- Developing students' abilities in research and investigation through field visits to health institutions and educational laboratories, as well as projects related to pathological analyses.
- Encouragement to visit the library weekly
- Reviewing reference books, sources, and scientific journals in the field of specialization

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023-2024/Second	Path-211	Human tissue	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-212	Pathogenic bacteria	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-213	Medical viruses	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-214	Basics of physiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-215	Primary parasites	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	UNI-103	computer applications	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-221	Preparations and tissue culture	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-222	Medical fungi	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-223	Basics of immunology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-224	Medical physiology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-225	Parasitic worms	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4

2023-2024/ 222	Path-226	Biochemistry	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-212	Pathogenic bacteria	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023-2024/ third	Path-312	Clinical immunology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-325	Basics of hematology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-313	Medical molecular biology	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-322	Human genetics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-225	Medical parasitic worms	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-315	Microbial diagnosis	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-321	Microbial genetics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-323	Clinical enzymes	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-311	Forensic evidence	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-314	Quality and control laboratories	optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-324	Antibiotics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Path-412	Bioinformatics	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Sc-path421	Endocrine glands	optional	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
	Sc-path422	Tissue diseases	Basic	A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4

Sc-path423	**Genetic Engineering**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Sc-path425	**toxicology**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Sc-path426	**Research project**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Sc-path424	**Epidemiology**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Path-411	**Blood diseases**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Path-415	**Embryology**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Path-413	**Medical biotechnology**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**
Path-416	**Serums and vaccines**	**Basic**	**A1**	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**

- **Please tick the boxes corresponding to the individual program learning outcomes under evaluation.**