



**Ministry of Higher Education and
Scientific Research**

Al-Shatrah University

College of Applied Medical Science

Module Description Form



Introduction:

The educational program is a coordinated and organized package of courses that include procedures and experiences organized in the form of study vocabulary, the main purpose of which is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market. It is reviewed and evaluated annually through internal or external audit procedures and programs, such as the external examiner program.

The academic program description provides a brief summary of the main features of the program and its courses, indicating the skills that are being worked on to provide students with, based on the objectives of the academic program. The importance of this description is evident because it represents the cornerstone in obtaining program accreditation, and the teaching staff participates in writing it under the supervision of the scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the developments and changes in the educational system in Iraq, which included a description of the academic program in its traditional form (annual, semester) in addition to adopting the description of the academic program circulated pursuant to

the letter of the Department of Studies 2906/3م ت in 2023/5/3 regarding programs that adopt the Bologna process as the basis for their work .

In this regard, we cannot but emphasize the importance of writing a description of academic programs and courses to ensure the smooth running of the educational process .

Concepts and terms:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including a precise description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a concise summary of the most important characteristics of the course and the learning outcomes expected of the student, demonstrating whether he has made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture of the future of the academic program to be an advanced, inspiring, motivating, realistic and applicable program.

Program Mission: Clarifies the objectives and activities required to achieve them in a concise manner, and also identifies the paths and directions of the program's development.

Program Objectives: These are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (semester, yearly, Bologna track) whether they are required (ministry, university, college and scientific department) with the number of study units.

Learning outcomes: A consistent set of knowledge, skills and values acquired by the student after successfully completing the academic program. The learning outcomes for each course must be determined in a way that achieves the program's objectives.

Teaching and learning strategies: These are the strategies used by a faculty member to develop student teaching and learning. They are plans that are followed to achieve learning objectives. That is, they describe all classroom and extracurricular activities to achieve the learning outcomes of the program .

Academic Program Description Form

University Name: University: Shatrah University

College/Institute: College: College of Applied Medical Sciences

Scientific Department: Department of Pathological Analytics Science

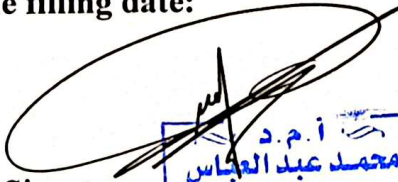
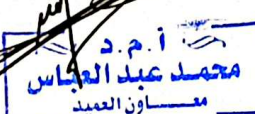
Academic or Professional Program Name: Bachelor of Applied Medical Sciences

Final Degree Name: Bachelor of Pathological Analytics Science

Study System: Bologna Track System

Description preparation date:

File filling date:

Signature: 


Name of Scientific Assistant:

Date:

Mohammed Abdulabbas Hossan



Dean's approval

Dr. Mohammed H. Mohammed

Signature:  Azhar Hamed

Name of Department Head:


Date:

File reviewed by: Ahmad Abdulhadi

**Quality Assurance and University
Performance Division**

Date:

Signature:



1. Program Vision

To enable our students to perform accurate, comprehensive and timely pathological analyses to facilitate accurate disease diagnosis and appropriate treatment strategies. We are committed to collaboration, continuous learning and adherence to the highest standards of quality.

2. Program message

In the pathological analyses Program, we offer a comprehensive curriculum in pathological analyses to prepare our students for work in the field of pathological analyses. Our program is designed to provide students with a deep understanding of the principles of pathological analyses, starting with the study of diseases, their causes and development, and ending with their structural changes.

3. Program objectives

First: Provide students with a comprehensive understanding of the principles and techniques used in pathological analysis, including the interpretation of laboratory results and the use of specialized equipment.

Second: Provide students with the skills necessary to conduct research in the field of pathological analysis, including the design and implementation of experiments and data analysis.

Third: Prepare students to work in the field of health care and provide them with the knowledge and skills necessary to make accurate diagnoses in a timely manner, develop treatment plans and communicate effectively with patients and health care providers.

4. Programmatic accreditation

Nothing

5. Other external influences

Several aspects where many seminars and meetings were held to discuss academic and applied content with researchers specialized in the field of pathological analysis. Discussions were also held with colleges and universities that contain similar specializations through conferences, discussion groups and joint work that

allows communication between the teaching staff and students in order to come up with a common vision and develop plans for developing curricula.

1. Program Structure				
Program Structure	Number of courses	Study unit	percentage	* comments
Institutional Requirements	5	10 ECTS (2 ECTS FOR MODULE)	4%	
College Requirements	1	8ECTS	3%	
Department Requirements	42	210	100%	
Summer training	1	---	----	----
Other	---	----	----	---

*Notes may include whether the course is basic or optional.

7. Program Description				
Credit hours		Course name	Course code	Year/Level
Theoretical	Practical			
2	2	Human Cytology	SHPA1101	2024-2023
2	2	Principles of microbiology	SHPA1102	
2	2	Analytical Chemistry	CAS1103	
	2	Biostatistics	SHPA1104	
	2	Democracy and Human Rights	U111	
	2	Arabic Language	U114	
2	2	General Human anatomy	SHPA1207	
2	2	Human histology	SHPA1208	
2	2	Organic chemistry	SHPA1209	
	2	Medical	SHPA1210	

		Terminology		2025-2024
2	1	Computer	U112	
	2	English language	U125	
2	2	Human Cytology	SHPA11001	
2	2	Human biology	SHPA11002	
2	2	Analytical Chemistry	CAS11003	
	2	Occupational biosafety	SHPA11004	
	2	Medical Terminology	SHPA11005	
	2	English Language	U125	
2	2	General Human anatomy	SHPA12007	
2	2	Human histology	SHPA12008	
2	2	Medical physics	SHPA12009	
	2	Computer science	U112	
	2	Democracy and Human Rights	U111	
2	1	Arabic Language	U114	
2	2	Human physiology	SHPA23013	
2	2	Principles of microbiology	SHPA23014	
	2	Community health	SHPA23015	
2	2	Human Parasites/ Parasitic protozoa	SHPA23016	
2	2	Basic of immunology	SHPA23017	
	2	Baath crimes	U215	
2	3	General pathology	SHPA24019	
2	2	Medical microbiology	SHPA24120	
2	2	Biochemistry	SHPA24121	

2	2	Parasitic Helminthes	SHPA24122	
2	2	Molecular biology	SHPA24023	

8. Expected learning outcomes of the program

Knowledge

A-1 Cognitive objectives.

A1- Graduating cadres with a high level of understanding and knowledge capable of building, analyzing and developing educational systems, with follow-up of these cadres after graduation.

A2- The ability to conduct educational analysis and scientific thinking by applying laws in science and adhering to guidelines and instructions for any activity in the organizational and administrative framework in implementing a project or confronting an educational problem, solving it, evaluating it, and submitting a proposal or plan or rephrasing it, translating it or interpreting it.

A3- The student should be able to speak and write in an effective scientific style in Arabic and English.

A4- Motivating students to participate effectively in the renaissance and progress of society by holding seminars, conferences, continuing education and providing academic consultations in legal fields.

8. Skills

B - Program specific skill objectives:

B1 - Students analyze the educational situation.

B2 - Analyze problems and provide appropriate legal alternatives.

B3 - Scientific investigation and evaluation.

B4 - Organize the educational situation in a way that helps achieve the goals in the future.

Values

C- Emotional and value-based objectives:

A1- Using brainstorming to generate creative ideas for some gifted students.

A2- Developing Internet search skills to expand cognitive horizons.

A3- To encourage the development of students' thinking in memorization and guessing and motivating them towards critical thinking and thinking in the pre-remembering stage.

A4- Presenting problems and asking them to think about all possible solutions or possible developments

9. Teaching and learning strategies

There are many teaching and learning methods used in the College of Applied Medical Sciences, and the most important of these methods are: - (theoretical and practical lectures, discussion and dialogues, field visits to relevant governmental and private institutions, discussion groups on specific topics, theoretical and practical student research, office activities, practical application of experiments and tests to reach a high level of learning.

10. Evaluation methods

1- Seminars.

2- Scientific discussion, oral dialogue, theoretical and practical midterm and final exams.

3- Writing and submitting reports and taking notes on the technical expertise gained during field visits

4- Quick tests (quizzes)

5- Midterm and annual exams

11. Faculty members teaching staff

Members teaching staff						
Members teaching staff preparation		Special requirements/skills (if any)		Specialization		Academic Rank
External lecturer	An employee of the owners			MINOR SPECIALIZATION	MAJOR SPECIALIZATION	
	NO					
	2					Assistant Professor
	6					Lecturer
	17					Assistant Lecturer
	NO					No title

Professional development

Orientation of new faculty members.

Through seminars, symposia and conference attendance.

Professional development of faculty members.

Through conferences, symposia, symposia and faculty attendance of graduate discussions.

12. Acceptance Criteria

The applicant must have a preparatory school certificate in the scientific branch or a certificate of first-class students in scientific institutes and pass the competition through the electronic application system in the Iraqi Ministry of Higher Education and Scientific Research.

12. The most important sources of information about the program

Curriculum books approved by the Committee of the Department of Studies, Planning and Follow-up / Department of Studies and Planning at the Ministry of Higher Education and Scientific Research.

13. Program Development Plan

By holding periodic meetings with the College Council and the committees in the department, especially the Scientific Committee, development policies have been drawn up for the department by holding scientific seminars to develop the teaching staff and students, stimulate scientific research, activate laboratories, conclude scientific memoranda of understanding with similar departments, and build bridges of cooperation with other colleges.

مخطط مهارات البرنامج

مخرجات التعلم المطلوبة من البرنامج

القيم				المهارات				المعرفة				أم اساسي اختياري	اسم المقرر	رمز المقرر	السنة / المستوى
ج4	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1				
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human Cytology	SHPA1101	2024-2023/1
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Principles of microbiology	SHPA1102	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Analytical Chemistry	CAS1103	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Biostatistics	SHPA1104	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	Democracy and Human Rights	U111	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	Arabic Language	U114	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	General Human anatomy	SHPA1207	2024-2023/2

✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human histology	SHPA1208	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Organic chemistry	SHPA1209	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Medical Terminology	SHPA1210	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Basic learning activities	Computer	U112	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	English language	U125	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human Cytology	SHPA11001	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human biology	SHPA11002	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Analytical Chemistry	CAS11003	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Support or related learning activity	Occupational biosafety	SHPA11004	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Medical Terminology	SHPA11005	

2024-2025/1

✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	English Language	U125	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	General Human anatomy	SHPA12007	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human histology	SHPA12008	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Medical physics	SHPA12009	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Basic learning activities	Computer science	U112	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	Democracy and Human Rights	U111	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	Arabic Language	U114	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human physiology	SHPA23013	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Principles of microbiology	SHPA23014	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Basic learning activities	Community health	SHPA23015	

2024-2025/2

✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Human Parasites/ Parasitic protozoa	SHPA23016	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Basic of immunology	SHPA23017	
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic learning activities	Baath crimes	U215	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	General pathology	SHPA24019	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Medical microbiology	SHPA24120	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Biochemistry	SHPA24121	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Parasitic Helminthes	SHPA24122	
✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	Core learning activity	Molecular biology	SHPA24023	

✓ Please tick the boxes corresponding to the individual learning outcomes of the programme being assessed.



