

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



# **Academic Program and Course Description Guide**

**2024**

## **Introduction:**

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

## **Concepts and terminology:**

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

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They 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 (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

University Name: .....

Faculty/Institute: .....

Scientific Department: .....

Academic or Professional Program Name: .....

Final Certificate Name: .....

Academic System: .....

Description Preparation Date:

File Completion Date:

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 of the Dean

### **1. Program Vision**

- Establishing specialized medical laboratories
- Creating postgraduate studies (master's and doctorate) in pathological analysis specializations
- Hosting pathological analysis specialists from prestigious universities in the world in order to raise the academic level of graduates and place them in the ranks of colleges in prestigious universities.

### **2. Program Mission**

Program mission is written here as stated in the university's catalogue and website.

### **3. Program Objectives**

- 1- The graduate must be proficient in the process of drawing blood, dealing with all laboratory samples, collecting them and transporting them, and being able to deal with all laboratory equipment.
- 2 - The graduate must be proficient in microbiology examinations with the necessary knowledge of how to use all the necessary techniques to diagnose the bacterial causes of diseases and be able to give the correct opinion on this subject while conducting examinations in all branches of life, including viruses, fungi, parasites and bacteria.
- 3 - The graduate should be able to study clinical immunology and identify the immune mechanism responsible for the pathogenesis of common immune diseases. And to distinguish the different diagnostic methods as well as the important differential examinations for each disease and conduct them.
- 4 - The graduate should be able to practice basic skills in chemistry and be familiar with how to prepare solutions of different concentrations, in addition to diagnosing organic and life materials and conducting laboratory tests related to biochemistry, including hormones and others.
- 5 - The graduate must be proficient in the histology subject, prepare histological sections for that purpose, and conduct all partial tests, pathological parameters, and staining for histological sections.

6 - The graduate should be able to deal with what happens with blood transfusion and donation, diseases acquired through blood transfusion, and conduct all laboratory tests related to hematology.

7 - Its ability to deal with all modern technologies, including DNA analysis and forensic medicine

#### 4. Program Accreditation

Does the program have program accreditation? And from which agency?

#### 5. Other external influences

Is there a sponsor for the program?

#### 6. Program Structure

| Program Structure        | Number of Courses | Credit hours | Percentage | Reviews* |
|--------------------------|-------------------|--------------|------------|----------|
| Institution Requirements |                   |              |            |          |
| College Requirements     |                   |              |            |          |
| Department Requirements  |                   |              |            |          |
| Summer Training          |                   |              |            |          |
| Other                    |                   |              |            |          |

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

## 7. Program Description

| Year/Level | Course Code | Course Name | Credit Hours |           |
|------------|-------------|-------------|--------------|-----------|
|            |             |             | theoretical  | practical |
|            |             |             |              |           |
|            |             |             |              |           |

## 8. Expected learning outcomes of the program

| Knowledge           |                               |
|---------------------|-------------------------------|
| Learning Outcomes 1 | Learning Outcomes Statement 1 |
| Skills              |                               |
| Learning Outcomes 2 | Learning Outcomes Statement 2 |
| Learning Outcomes 3 | Learning Outcomes Statement 3 |
| Ethics              |                               |
| Learning Outcomes 4 | Learning Outcomes Statement 4 |
| Learning Outcomes 5 | Learning Outcomes Statement 5 |

## 9. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in the implementation of the program in general.

## 10. Evaluation methods

Implemented at all stages of the program in general.

## 11. Faculty

### Faculty Members

| Academic Rank | Specialization |         | Special Requirements/Skills (if applicable) | Number of the teaching staff |          |
|---------------|----------------|---------|---|------------------------------|----------|
|               | General        | Special |   | Staff                        | Lecturer |
|               |                |         |   |                              |          |



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|--|
| <b>Professional Development</b>  |
| <b>Mentoring new faculty members</b>   |
| Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.  |
| <b>Professional development of faculty members</b>   |
| Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc. |

|   |
|---|
| <b>12. Acceptance Criterion</b>   |
| <b>(Setting regulations related to enrollment in the college or institute, whether central admission or others)</b> |

|  |
|--|
| <b>13. The most important sources of information about the program</b> |
| State briefly the sources of information about the program.            |

|                                     |
|-------------------------------------|
| <b>14. Program Development Plan</b> |
|                                     |

| 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 |
|                        |             |             |                   |                                    |    |    |    |        |    |    |    |        |    |    |    |
|                        |             |             |                   |                                    |    |    |    |        |    |    |    |        |    |    |    |
|                        |             |             |                   |                                    |    |    |    |        |    |    |    |        |    |    |    |
|                        |             |             |                   |                                    |    |    |    |        |    |    |    |        |    |    |    |
|                        |             |             |                   |                                    |    |    |    |        |    |    |    |        |    |    |    |

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

## Course Description Form

|  |   |
|--|---|
| <b>1. Course Name:</b>   |   |
| Histopathology   |   |
| <b>2. Course Code:</b>   |   |
|  |   |
| <b>3. Semester / Year:</b>   |   |
| Second \ 2024  |   |
| <b>4. Description Preparation Date:</b>  |   |
| 31\1\2014  |   |
| <b>5. Available Attendance Forms:</b>  |   |
| Official working   |   |
| <b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>   |   |
| N .of hours (6) \ N .of hours (4)  |   |
| <b>7. Course administrator's name (mention all, if more than one name)</b>   |   |
| <p>Name:</p> <p>M.Sc. Moitaba Qati Dahdoh</p> <p>M.Sc. Aqeel Malik</p> <p style="text-align: center;">Email: Doplabbio@gmail.com</p> |   |
| <b>8. Course Objectives</b>  |   |
| <b>Course Objectives</b>   | <p>Histopathology aims to introduce the student to the various body systems and methods of preparing tissue sections This is so that the student becomes familiar at the end of the academic year with the various components of the body, as well as the knowledge of identifying and diagnosing diseases by</p> |

studying tissue sections, as well as the types of methods used, different materials and dyes, and the stages of passage of the tissue sample until it is diagnosed.

## 9. Teaching and Learning Strategies

### Strategy

- Explaining the subject's vocabulary in detail and clarifying its practical aspect.
- Exercises and activities in the classroom, focusing on the practical and laboratory aspects.
- Directing students to some websites to benefit from them to develop their capabilities.
- Solving problems as extracurricular assignments.
- Using discussion circles as well as some explanatory videos related to the study topics
- Showing microscopic slides that include various tissue sections.

## 10. Course Structure

| Week  | Subject   |
|-------|---|
| 1     | Introduction, cell constituents   |
| 2     | Inflammation, Repair & Degeneration Acute Inflammation                      |
| 3     | Chronic Inflammation  |
| 4     | Repair, healing & Regeneration  |
| 5     | Retrograde, changes, Degeneration   |
| 6-7   | Atrophy Necrosis, cloudy swelling   |
| 8     | Gangrene  |
| 9     | Criteria used for cytopathological diagnosis of cancer                      |
| 10-11 | Changes in the cytoplasm in malignancy Changes in the nucleus in malignancy |
| 12    | Changes in cell as a general in malignancy                                  |
| 13    | Nomenclature of tumors  |
| 14-15 | Classification of tumors  |

|       | الفصل الثاني  |
|-------|---|
| 1     | Fixation & Fixatives Theoretical aspects of Fixation  |
| 2     | Fixation for special substances Specializes Techniques for individual tissue & fixation Arte fact               |
| 3     | Tissue processting Fixation ,dehydration ,clearing ,embdding  |
| 4     | Factors influencing rate of impregnation Agitation ,heat,viscosity,ultrasonies,vacuum                           |
| 5-7   | Microtomy andparaffin section   |
| 8-9   | Staining of tissuesections Hematoxylin ,eosin ,connective tissue ,stains  |
| 10-11 | Special stains for proteine ,carbohydrates,lipid ,mucosubstance,pigments minerals ,apud cell and microorganisms |
| 12    | Preparationof bone sections   |
| 13    | Demonstration of cytoplasmic granules organelles and social tissue  |
| 14    | Neuropatholghical tech niques   |
| 15    | Enzyme histochemistry and aplicaton   |

### 11. Course Evaluation

- Participation in the classroom.
- Providing various activities.
- Not less than four written semester exams during the academic year, in addition to the theoretical final exam and practical.
- Assignments and reports to solve questions in the form of extracurricular activities.

### 12. Learning and Teaching Resources

|  |  |
|--|--|
| Required textbooks (curricular books, if any)                      |  |
| Main references (sources)  | Junqueira's.BasicHistology<br>Stevens&Lowe's. Human Histology<br>Robbins basic pathology |
| Recommended books and references (scientific journals, reports...) |  |
| Electronic References, Websites                                    | Wikipedia  |

