

Academic Program Description Form

University Name: Basrah

Faculty/Institute: College of Medicine

Scientific Department: Microbiology


Academic or Professional Program Name: Microbiology

Final Certificate Name: Bachelor of Medicine and General Surgery

Academic System: Annual

Description Preparation Date: 7/3/2024

File Completion Date: 7/3/2024

Signature: 

Head of Department Name:
Dr. Hanadi A. Jasim

Date: 24-03-2024

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: 24/3/2024

Signature: 

Approval of the Dean

**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.

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University Name: Basrah

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Signature:

Head of DepartmentName:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Departmentof Quality Assurance and University Performance

Director of the Quality Assurance and UniversityPerformance Department:

Date:

Signature:

1. Program Vision

The College of Medicine seeks to be one of the leading higher education institutions at the University of Basra in the field of modern education and scientific research through its scientific, research and administrative activities. It also works to provide an integrated path for its students and professors to make them active and creative in serving the community in the fields of medical services.

2. Program Mission

College of Medicine/University of Basra is working to prepare graduates for distinct medical practices, emphasizing medical problems in Iraq and, especially in Basrah, connecting these practices to community needs. It also intends to achieve distinction in medical education programs for both undergraduate and postgraduate and in continuous medical education to train doctors, medical teachers, and researchers. It also lays the foundation for a scientific environment that cares for recent knowledge and skills in health sciences, leading to high gains in education, health care and medical research.

3. Program Objectives

1. Teaching the student how to diagnose pathological microorganisms in the laboratory.
 2. Identify the most important devices and technologies available
 3. Conducting various laboratory experiments that serve medical knowledge.
 - Emotional and value goals
- 1–Empowering students to make them confident in pathological diagnosis, which focuses on serving the patient and correctly diagnosing the pathological condition.
 - 2– Directing students towards higher moral ideals and values.

- 3- Consolidating the principles of basic medical education among students.
- 4- Motivating students to research and investigate to reach professional medical outcomes and researchers in the specialty.

4. Program Accreditation

College of Medicine is ongoing for obtaining Accreditation (Conditional till now).

5. Other external influences

None

6. Program Structure

| Program Structure | Number of Courses | Credit hours | Percentage | Reviews* |
|--------------------------|-------------------|--------------|------------|----------|
| Institution Requirements | 1 | 8 | | |
| College Requirements | | | | |
| Department Requirements | | | | |
| Summer Training | None | | | |
| 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 / Third year | | Microbiology | theoretical | practical |
| | | | 85 | 180 |

8. Expected learning outcomes of the program

Knowledge

Study the pathogenic microorganisms

Skills

Identify different diagnostic methods for pathogenic microorganisms, which include bacteria, viruses, and fungi.

Consolidating scientific diagnostic knowledge that serves medical practice.

Ethics

Developing students' abilities to share ideas

9. Teaching and Learning Strategies

1- Explaining scientific material by giving theoretical lectures in classrooms.

2- Explaining the practical material in laboratories through display screens and viewing parasites through light microscopes.

10. Evaluation methods

Weekly, monthly, daily exams and the end of the year exam.

11. Faculty

Faculty Members

| Academic Rank | Specialization | | Special Requirements/Skills (if applicable) | | Number of the teaching staff | |
|---------------------|----------------------|----------------------|---|--|------------------------------|----------|
| | General | Special | | | Staff | Lecturer |
| Professor | Medical Microbiology | Medical Microbiology | | | 6 | 1 |
| Assistant professor | Medical Microbiology | Medical Microbiology | | | 4 | |

| | | | | | | |
|----------|----------------------|----------------------|--|--|---|--|
| Lecturer | Medical Microbiology | Medical Microbiology | | | 3 | |
|----------|----------------------|----------------------|--|--|---|--|

Professional Development

Mentoring new faculty members

Professional development of faculty members

12. Acceptance Criterion

(Setting regulations related to enrollment in the college or institute, whether central admission or others)

13. The most important sources of information about the program

- Jawetz Medical Microbiology
- Medical parasitology, 9th edition
- Jawetz in medical microbiology, 28th edition
- (Cabi) R Muller - Worms and Human Disease-CABI (2002) (1)
- ATLAS OF MEDICAL PARASITOLOGY Shiba Kumar Rai (PDFDrive.com)
- Clinical Parasitology_ A Practical Approach (PDFDrive.com)
- Essentials of Medical Parasitology (PDFDrive.com)
- II Bacteriology III Mycology IV Virology V Parasitology VI Organ System Infections (PDFDrive.com)
- Medical Parasitology_ A Textbook (PDFDrive.com)
- Paniker's Textbook of MEDICAL PARASITOLOGY (PDFDrive.com)
- parasitology for medical and clinical laboratory professionals(PDFDrive.com) (1)
- Textbook of MEDICAL PARASITOLOGY Textbook of MEDICAL PARASITOLOGY (PDFDrive.com)

14. Program Development Plan

- The use of modern methods in the delivery of scientific material.
- Adopting modern sources to update information in lectures annually.

- Access and collaboration with the courses in the corresponding universities.
- Periodic updating of lectures in line with the corresponding branches.
- Periodic meetings of Curriculum Development Committees.
- Attend workshops and seminars on teaching and learning methods.

| 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 |
| Third year | | Microbiology | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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

Course Description Form

| | |
|--|--|
| 1. Course Name: | |
| Medical Microbiology | |
| 2. Course Code: | |
| | |
| 3. Semester / Year: | |
| 2023-2024 | |
| 4. Description Preparation Date: | |
| 7/3/2024 | |
| 5. Available Attendance Forms: | |
| 7/3/2024 | |
| 6. Number of Credit Hours (Total) / Number of Units (Total) | |
| 90 Theory/ 180 Practical(8 Units) | |
| 7. Course administrator's name (mention all, if more than one name) | |
| Name: | |
| Email: | |
| 8. Course Objectives | |
| 1. Study of pathogenic microorganisms 2- Identifying different diagnostic methods pathogenic microorganisms. 3- Consolidating scientific diagnostic knowledge that serves medical practice. | <ul style="list-style-type: none"> • • • |
| 9. Teaching and Learning Strategies | |
| Strategy | 1 Teaching the student how to diagnose pathological microorganisms laboratory-wise 2- Identify the most important devices and technologies available 3- Conducting various laboratory experiments that serve medical knowledge - C- Emotional and value goals 1-Empowering students to make them confident in pathological diagnosis, which focuses on serving the patient and correctly diagnosing the pathological condition. 2- Directing students towards higher moral ideals and values - - Consolidating the principles of basic medical education among students. |

- Motivating students to research and investigate to reach professional medical outcomes and researchers in the specialty.

10. Course Structure

| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
|------|-------|--|----------------------|--|---------------------------------|
| | 35 | Prepare a highly oriented physician who has basic knowledge of pathogenic microorganisms | Bacteria | - Interact lectures including theoretical material - Experiments small groups - Discussions small groups and in dialog sessions between students under the supervision of subject professors | Questions, discussion and exams |
| | 17 | | Immunology | | |
| | 19 | | Virology | | |
| | 4 | | Mycology | | |

11. Course Evaluation

- Short written exams on the given subject
- Practical tests in the practical course
- Daily activities
- Semi-annual and final theoretical and practical exams
- Announcing the evaluation results to students after each exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Title Author
 _ Text Book of Microbiology (vol I & II)
 Mackie & MacCartney
 _ Diagnostic Microbiology
 Bailey & Scot
 _ Text Book of Microbiology
 Ananthanaryan
 _ Text Book of Microbiology
 _ Text Book of Parasitology
 CP BavejaKD Chatteraji
 _ Review of Medical Microbiology
 Jawetz 2014

| | |
|---------------------------------|--|
| Main references (sources) | <u>Title</u> <u>Author</u> _ Microbiology and Microbial Infection Topley & Wilson (Vol I- VI) _ Colour Atlas & Text Book of Diagnostic Koneman Microbiology _ Immunology Ivan Roitt _ Text Book of Mycology Emmons - All lectures are available at the college of medicine website |
| Electronic References, Websites | Any Scientific sources |

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Final Certificate Name: Bachelor of Medicine and General Surgery

Academic System: Annual

Description Preparation Date: 7/3/2024

File CompletionDate:7/3/2024

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:

Signatur

Approval of the Dean

15. Program Vision

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16. Program Mission

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17. Program Objectives

1. Teaching the student how to diagnose pathological parasites in the laboratory.
 2. Identify the most important devices and technologies available
 3. Conducting various laboratory experiments that serve medical knowledge.
 - Emotional and value goals
- 1–Empowering students to make them confident in pathological diagnosis, which focuses on serving the patient and correctly diagnosing the pathological condition.
- 2– Directing students towards higher moral ideals and values.

- 3- Consolidating the principles of basic medical education among students.
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18. Program Accreditation

College of Medicine is ongoing for obtaining Accreditation (Conditional till now).

19. Other external influences

none

20. Program Structure

| Program Structure | Number of Courses | Credit hours | Percentage | Reviews* |
|--------------------------|-------------------|--------------|------------|----------|
| Institution Requirements | 1 | 6 | | |
| College Requirements | | | | |
| Department Requirements | | | | |
| Summer Training | None | | | |
| Other | | | | |

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

21. Program Description

| Year/Level | Course Code | Course Name | Credit Hours | |
|-----------------------------|-------------|--------------|--------------|------------|
| 2023 – 2024 / Third year | | Parasitology | theoretical | practical |
| | | | 60 | 180 |

22. Expected learning outcomes of the program

Knowledge

Study the pathogenic Parasites

Skills

Identify different diagnostic methods for pathogenic parasites

Consolidating scientific diagnostic knowledge that serves medical practice.

Ethics

Developing students' abilities to share ideas

23. Teaching and Learning Strategies

1- Explaining scientific material by giving theoretical lectures in classrooms.

2- Explaining the practical material in laboratories through display screens and viewing parasites through light microscopes.

24. Evaluation methods

Weekly, monthly, daily exams and the end of the year exam.

25. Faculty

Faculty Members

| Academic Rank | Specialization | | Special Requirements/Skills (if applicable) | | Number of the teaching staff | |
|---------------------|----------------------|----------------------|---|--|------------------------------|----------|
| | General | Special | | | Staff | Lecturer |
| Professor | Medical Microbiology | Medical Microbiology | | | | 1 |
| Assistant professor | Medical Microbiology | Medical Microbiology | | | 2 | |

| | | | | | | |
|----------|----------------------|----------------------|--|--|---|--|
| Lecturer | Medical Microbiology | Medical Microbiology | | | 2 | |
|----------|----------------------|----------------------|--|--|---|--|

| |
|--|
| Professional Development |
| Mentoring new faculty members |
| Professional development of faculty members |

| |
|---|
| 26. Acceptance Criterion |
| (Setting regulations related to enrollment in the college or institute, whether central admission or others) |

| |
|--|
| 27. The most important sources of information about the program |
| <ul style="list-style-type: none"> • Jawetz Medical Microbiology • Medical parasitology, 9th edition • Jawetz in medical microbiology, 28th edition • (Cabi) R Muller - Worms and Human Disease-CABI (2002) (1) • ATLAS OF MEDICAL PARASITOLOGY Shiba Kumar Rai (PDFDrive.com) • Clinical Parasitology_ A Practical Approach (PDFDrive.com) • Essentials of Medical Parasitology (PDFDrive.com) • II Bacteriology III Mycology IV Virology V Parasitology VI Organ System Infections (PDFDrive.com) • Medical Parasitology_ A Textbook (PDFDrive.com) • Paniker's Textbook of MEDICAL PARASITOLOGY (PDFDrive.com) • parasitology for medical and clinical laboratory professionals (PDFDrive.com) (1) • Textbook of MEDICAL PARASITOLOGY Textbook of MEDICAL PARASITOLOGY (PDFDrive.com) |

| |
|-------------------------------------|
| 28. Program Development Plan |
| |

| 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 |
| Third year | | Parasitology | Basic | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |

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

Course Description Form

| | |
|---|--|
| 13. Course Name: | |
| Medical Parasitology | |
| 14. Course Code: | |
| | |
| 15. Semester / Year | |
| : 2023-2024 | |
| 16. Description Preparation Date: | |
| 7/3/2024 | |
| 17. Available Attendance Forms: | |
| 7/3/2024 | |
| 18. Number of Credit Hours (Total) / Number of Units (Total) | |
| 60 Theory/180 Practical (6 Unit) | |
| 19. Course administrator's name (mention all, if more than one name) | |
| Academic Staff of Microbiology Department | |
| 20. Course Objectives | |
| 1. Study of pathogenic parasites 2- Identifying different diagnostic methods pathogenic parasites. 3- Consolidating scientific diagnostic knowledge t serves medical practice. | <ul style="list-style-type: none"> • • • |
| 21. Teaching and Learning Strategies | |
| Strategy | 1 Teaching the student how to diagnose pathological parasites in the laboratory. 2- Identify the most important devices and technologies available 3- Conducting various laboratory experiments that serve medical knowledge - C- Emotional and value goals 1-Empowering students to make them confident in pathological diagnosis, which focuses on serving the patient and correctly diagnosing the pathological condition. 2- Directing students towards higher moral ideals and values - - Consolidating the principles of basic medical education among students. - Motivating students to research and investigate to reach professional medical outcomes and researchers in the specialty. |

| 22. Course Structure | | | | | |
|----------------------|-------|----------------------------------|----------------------|--|---------------------------------|
| Week | Hours | Required Learning Outcomes | Unit or subject name | Learning method | Evaluation method |
| | 1 | Introduction on heamoflagellates | Medical Parasitology | - Interact lectures including theoretical material - Experiments small groups - Discussions small groups and in dialog sessions between students under the supervision of subject professors | Questions, discussion and exams |
| | 1 | Leshmania spp | | | |
| | 1 | Trypanosoma spp | | | |
| | 1 | Introduction helminths | | | |
| | 2 | Malaria | | | |
| | 1 | Taenia spp | | | |
| | 1 | Ecinococcus spp | | | |
| | 1 | Hymenolepis spp | | | |
| | 1 | Diphlobothrium sp | | | |
| | 1 | Dipylidium spp | | | |
| | 1 | Trematodes | | | |
| | 1 | Liver fluk | | | |
| | 1 | Blood fluk 1 | | | |
| | 1 | Blood fluk 2 | | | |
| | 1 | around world | | | |
| | 3 | Medical entomology | | | |

23. Course Evaluation

- Short written exams on the given subject
- Practical tests in the practical course
- Daily activities
- Semi-annual and final theoretical and practical exams
- Announcing the evaluation results to students after each exam

24. Learning and Teaching Resources

| | |
|---|---|
| Required textbooks (curricular books, if any) | _ Review of Medical Microbiology Jawetz 2014 |
| Main references (sources) | <ul style="list-style-type: none"> • Medical parasitology, 9th edition • Jawetz in medical microbiology, 28th edition • (Cabi) R Muller - Worms and Human Disease-CABI (2002) (1) • ATLAS OF MEDICAL PARASITOLOGY Shiba Kumar Rai (PDFDrive.com) • Clinical Parasitology_ A Practical Approach (PDFDrive.com) • Essentials of Medical Parasitology (PDFDrive.com) |

| | |
|---------------------------------|---|
| | <ul style="list-style-type: none"> • II Bacteriology III Mycology IV Virology V Parasitology VI Organ System Infections (PDFDrive.com) • Medical Parasitology_ A Textbook (PDFDrive.com) • Paniker’s Textbook of MEDICAL PARASITOLOGY (PDFDrive.com • parasitology for medical and clinical laboratoryprofessionals (PDFDrive.com) (1) • Textbook of MEDICAL PARASITOLOGY Textbook of MEDICAL PARASITOLOGY (PDFDrive.com) |
| Electronic References, Websites | Any Scientific sources |

