

*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: Baghdad University

College :Al –Kindy Medical College

Number Of Departments In The College : 11

Date Of Form Completion : 2022-2023

Department Name: Microbiology

Name of head of Department: Dr. Haider Hashim Abdulrazak Zalzala

Signature:

Dean 's Name:

Mohamed Jalal Hussain

Date : / /

*Dean 's Assistant For
Scientific Affairs:*

Taghreed Al Haidari

Date : / /

*The College Quality Assurance
And University Performance*

Manager:

Aseel Sameer Mohamed

Date : / /

Quality Assurance And University Performance Manager

Date : / /

Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Programme Specification provides a concise summary of the main features of the programme 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 programme.

1. Teaching Institution	University of Baghdad
2. University Department/Centre	Al Kindy College of Medicine
3. Programme Title	Microbiology and immunology
4. Title of Final Award	MBChB
5. Modes of Attendance offered	Acceptance central ministry of higher education
6. Accreditation	The Higher Accreditation Program of Iraqi Medical Colleges, supervised by the Ministry of Higher Education and WHO
7. Other external influences	
8. Date of production/revision of this specification	2022-2023
9. Aims of the Programme	
to provide high quality training in microbiology and medical genetics to the medical students; this is done by providing the medical students within formation that enable them to:	
) Identify common infectious agents and the diseases that they cause.	
) Evaluate methods used to identify infectious agents in the clinical microbiology lab.	

-) Recall microbial physiology including metabolism, regulation and replication.
-) Explain general and specific mechanisms by which an infectious agent causes disease.
-) Recognize and diagnose common infectious diseases from the clinical presentation and associated microbiology.
-) Understand of the structure of the human genome and function and the common genetic diseases.

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals

A1. Define different microorganisms (Bacteria, fungi, viruses, parasites)

A1. Describe the basic human gene structure.

A2. Classify microorganisms.

A3. Discuss basic and clinical immunity.

A4. Interpret different microbiological, immunological and genetic tests

A5. Distinguish between pathogenic and non pathogenic microorganisms

A6. Explain pathogenesis for different infectious, immunological and genetic diseases.

B. The skills goals special to the programme.

B1. Practical laboratory skills.

B2. Clinical laboratory skills by dealing with patient samples.

B3. Analytical and mathematical skills

Teaching and Learning Methods

Lectures

Practical lab sessions

Tutorials

Discussion

Small group teaching

Assessment methods

Essay question

Multiple choice question

Practical examination

C. Affective and value goals

C1. name the most common infectious microorganism in the country

C2. explain laboratory diagnosis for different infectious diseases

C3. describe the immunological response in different infectious and autoimmune diseases

C4. Integrate between pathogenesis, laboratory diagnosis and clinical presentation for different infectious, immunological and genetic diseases.

Teaching and Learning Methods

Practical lab sessions

Tutorials

Discussion

Small group teaching

Assessment methods

Essay question

Multiple choice question

Practical examination

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

D1. team working and leadership skills

D2. communication skills

D3. excellent IT skills

D4. problem solving and time management skills

Teaching and Learning Methods

Practical lab sessions

Tutorials

Discussion

Small group teaching

Assessment Methods				
Oral examination Practical examination Short case examination				
11. Programme Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
first	HCG 103	Human cell and gene	3	Bachelor Degree Requires (x) credits
first	MBI 104	Microbiology and immunology	3	
second	HLS 204	Hemopoietic & Lymphatic System	1.3	
second	MSK 205	Musculoskeletal System	0.6	
second	CVS 210	Cardiovascular System	1.3	
second	RSP 211	Respiratory System	1.2	
Second	ENS 302	Endocrine System	0.3	
Third	GIT 212	GIT, Liver, Biliary and Pancreas	1.7	
Third	NCS 301	Neurosciences	1	
Third	INS 303	Integumentary System	0.6	
Third	REN 307	Renal System	0.6	
Third	REP 308	Reproductive System	0.7	

13. Personal Development Planning

- Engage the department staff with training courses in different microbiological fields to update their knowledge.
- Educate and training the students about the most advanced microbiological investigations.
- Engage the students with daily routine investigations in the teaching hospital.
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14. Admission criteria .

Candidate from central admission to the Ministry of Higher Education

15. Key sources of information about the programme

Books

Articles published in scholarly journals.

Workshop

Meetings

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course 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 should be cross-referenced with the programme specification.

1. Teaching Institution	University of Baghdad
2. University Department/Centre	Al-Kindy Medical college
3. Course title/code	Bacteriology, parasitology, immunology and genetics
4. Modes of Attendance offered	Semesters
5. Semester/Year	Two
6. Number of hours tuition (total)	266 hours for 1 st , 2 nd and 3 rd years
7. Date of production/revision of this specification	2022
8. Aims of the Course	

-) Identify common infectious agents and the diseases that they cause.
-) Evaluate methods used to identify infectious agents in the clinical microbiology lab.
-) Recall microbial physiology including metabolism, regulation and replication.
- 0) Explain general and specific mechanisms by which an infectious agent causes disease.
- 1) Recognize and diagnose common infectious diseases from the clinical presentation and associated microbiology.
- 2) Understand of the structure of the human genome and function and the common genetic diseases.

9. Learning Outcomes, Teaching ,Learning and Assessment
Methode

A- Cognitive goals .

A1. Define different microorganisms
(Bacteria, fungi, viruses, parasites)

A1. Describe the basic human gene structure.

A2. Classify microorganisms.

A3. Discuss basic and clinical immunity.

A4. Interpret different microbiological, immunological and genetic tests

A5. Distinguish between pathogenic and non pathogenic microorganisms

A6. Explain pathogenesis for different infectious, immunological and genetic diseases..

B. The skills goals special to the course.

B1. Practical laboratory skills.

B2. Clinical laboratory skills by dealing with patient samples.

B3. Analytical and mathematical skills

Teaching and Learning Methods

Lectures

Practical lab sessions

Tutorials

Discussion

Small group teaching

Assessment methods

Essay question

Multiple choice question

Practical examination

C. Affective and value goals

C1. Name the most common infectious microorganism in the country

C2. Explain laboratory diagnosis for different infectious diseases

C3. Describe the immunological response in different infectious and autoimmune diseases

C4. Integrate between pathogenesis, laboratory diagnosis and clinical presentation for different infectious, immunological and genetic diseases.

Teaching and Learning Methods

Practical lab sessions

Tutorials

Discussion

Small group teaching

Assessment methods
Essay question Multiple choice question Practical examination

D. General and Transferable Skills (other skills relevant to employability and personal development) D1.team working and leadership skills D2.communication skills D3.excelent IT skills D4.problem solving and time management skills
Teaching and Learning Methods
Practical lab sessions Tutorials Discussion Small group teaching
Assessment Methods
Oral examination Practical examination Short case examination

10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
15 (first semester)	60		Human cell and gene	Theory, discussions & practical labs	Essay, OSPE, MCQ,
15 (second semester)	60		Microbiology and immunology	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (first semester)	24		Hemopoietic & Lymphatic	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (first semester)	9		Musculoskeletal	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (second semester)	6		Cardiovascular	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (second semester)	22		Respiratory	Theory, discussions & practical labs	Essay, OSPE, MCQ,
6 (second semester)	30		GIT, Liver, Biliary and Pancreas	Theory, discussions & practical labs	Essay, OSPE, MCQ,
6 (first semester)	18		Neurosciences Module	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (first semester)	6		Endocrine	Theory, discussions & practical labs	Essay, OSPE, MCQ,
2 (first semester)	9		Integumentary	Theory, discussions & practical labs	Essay, OSPE, MCQ,
4 (second semester)	11		Renal	Theory, discussions & practical labs	Essay, OSPE, MCQ,
2 (second semester)	11		Reproductive	Theory, discussions & practical labs	Essay, OSPE, MCQ,

11. Infrastructure	
1. Books Required reading:	Medical microbiology by Jawetz, Melnick and Adelbergs
2. Main references (sources)	
A- Recommended books and references (scientific journals, reports...).	1- Immunology by kuby 2- Review of Medical microbiology and Immunology by Warren Levinson 2- American Journal of Microbiology
B-Electronic references, Internet sites...	1- http://www.cdc.gov . 2- http://www.cdc.gov > dpdx.

12. The development of the curriculum plan
1-increase the practical hours to improve practical skills for the students. 2-update curriculum according to endemic situation of the world. 3- communication with ministry of health to get familiar with its programs and guidelines