

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 Year 2022-2023

University: Alkitab university  
College: Medical Technology College  
Number Of Departments In The College: 7  
Date Of Form Completion:



Head of Department Name

Prof. dr. Aqeel Hussain Ali

Date: / / 2023

Signature

د. س. راجا ساي اعلى

Dean's Assistant For  
Scientific Affairs

Date: 25 / 1 / 2023

Signature

Ahmed Abul Salam Jghel  
Quality Assurance And University

Performance Manager

Date: 21 / 2 / 2023

Signature

Dean's Name

Date: / / 2023

Signature



أ.و.عبد الرسول خضر البياتي  
عميد الكلية التقنية الطبية



# 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	Al Kitab University
2. University Department/Centre	Medical laboratory Technology
3. Program Title	Medical laboratory Techniques
4. Title of Final Award	Bachelor's of Medical laboratory Technology
5. Modes of Attendance offered	yearly
6. Accreditation	The approved program is prepared by the sectoral committee in the Ministry of Higher Education and Scientific Research
7. Other external influences	Field visits and training in hospitals, laboratories and clinics
8. Date of production/revision of this specification	9 \ 01 \ 2023
9. Aims of the Program	
1. Preparing and qualifying students to meet the requirements of the public and private sector labor market for medical laboratories through diversification of methods of learning and education and training students to apply the acquired knowledge and skills to solve health problems.	
2. Providing distinguished academic programs in the field of laboratories, both theoretical and practical, in order to comply with international standards of academic quality.	

3. Encouraging and developing scientific research in the fields of medical laboratory analysis.

4. Preparing a stimulating environment for faculty members to develop their knowledge and educational and research skills.

5. - Building and developing partnership with the governmental and private sectors and the community with all its various institutions.

## 10. Learning Outcomes, Teaching, Learning and Assessment Methods

### A. Knowledge and Understanding

A1- Clarify the basic concepts of working in medical laboratories

A2- Acquisition of skills in dealing with problems and obstacles facing the work of laboratories

A3- Acquisition of basic skills to work in pathological analyzes and prepare the culture media

A4- How to write medical reports

### B. Subject-specific skills

B1 - The ability to prepare culture and chemical media for the diagnosis of etiology

B 2 - Writing the results of the microscopic and culture observation reports

B3 - The ability to diagnose the causes of injuries

### Teaching and Learning Methods

- Explanation and clarification through lectures
- The method of displaying scientific materials on data show devices, smart boards.
- Self-education by preparing reports in laboratories of disease cases

### Assessment methods

1. Short Exams
2. Semester and final exams for practical and theoretical subjects
3. Interaction in the lecture hall
4. Reports
5. Graduation projects
6. summer training

### C. Thinking Skills

A1- Draw attention through the application programs on the display screen

C 2- Response Follow-up to the extent of the student's interaction with the scientific material

C 3 - Forming the value behavior, that is, the student reaches the value of the emotional ladder, so that he has a stable level in the lesson and does not become lazy or fidgety.

#### Teaching and Learning Methods

1. Active participation in the classroom is evidence of student commitment and responsibility
2. Semester and final exams express commitment and cognitive and skill achievement
3. Commitment to the deadline specified in preparing the required duties and reports

#### Assessment methods

1. Interaction in the lecture hall
2. homework
3. Active participation in the lesson
4. Commitment to the time specified in attendance for lectures and laboratories
5. After the daily, quarterly and final tests on commitment and desire for cognitive and skill achievement

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

D1 - Develop the student's ability to deal with technical means.

D 2- To develop the student's ability to dialogue and discussion

D3- Develop the student's ability to deal with e-learning

D 4- To develop the student's ability to follow the video lectures

#### Teaching and Learning Methods

- o Explanation and clarification through theoretical and practical lectures
- o Graduate Research Projects

- o Scientific visits
- o summer training

### Assessment Methods

1. Short Exams
2. Homework.
3. Semester and final exams.
4. Interaction within the theoretical and practical lecture
5. Reports

### 11. Program Structure ( course 1 )

Level/Year	Course or Module Code	Course or Module Title	Credit rating	12. Awards and Credits
first	<b>EnLa 161</b>	<b>English Language</b>	2/2	
first	<b>HuRi 100</b>	<b>Human Rights &amp; Democracy</b>	2/2	
first	<b>Comp 150</b>	<b>(1)Computer</b>	2 / 3	Bachelor Degree Requires ( x ) credits
first	<b>GeCh 110</b>	<b>General (1)Chemistry</b>	4 / 6	
first	<b>AnMT 120</b>	<b>Terminology</b>	1 / 1	
first	<b>HuBi 130</b>	<b>(1)Human Biology</b>	4 / 6	
first	<b>LaIn 140</b>	<b>Lab (1)Instruments</b>	3 / 4	
First	<b>Me Et 100</b>	<b>Medical Ethics</b>	2 / 2	

### Program Structure ( course 2 )

<b>First</b>	<b>Comp 150</b>	<b>(2)Computer</b>	<b>2 / 3</b>
<b>First</b>	<b>GeCh 110</b>	<b>(1)General Chemistry</b>	<b>4 / 6</b>
<b>First</b>	<b>AnMT 120</b>	<b>Anatomy</b>	<b>4 / 6</b>
<b>First</b>	<b>HuBi 130</b>	<b>(2)Human Biology</b>	<b>4 / 6</b>
<b>First</b>	<b>LaIn 140</b>	<b>(2)Lab Instruments</b>	<b>3 / 4</b>
<b>First</b>	<b>ARLA100</b>	<b>Arabic languish</b>	<b>2 / 2</b>

second	Hist 210	Histology	2	2
second	MePE 221	Medical Parasitology & Entomology	2	4
second	Cl Bi 231	Clinical Biochemistry	2	4
second	Micr 240	Microbiology	2	4
second	HuPh 250	Human physiology	2	2
second	MoBi 260	Molecular Biology	2	4
second	Bios270	Biostatistics	1	4
second	EnLa262	English Language	1	-

Third	Hist 311	Histopathology	2	3
Third	Hema 320	Hematology	2	2
Third	ViMy 330	Virology & Mycology	2	2
Third	ClCh 332	Clinical Chemistry	2	2
Third	HuGe 350	Human Genetics	2	3
Third	Immu 361	Immunology	2	3
Third	AdLT 370	Advanced laboratory techniques	2	2
Third	CoAB 380	Computer Application	1	2
Third	EnLa363	English Language	1	-

Fourth	CIIm 462	Clinical Immunology	2	4
Fourth	DiBa 420	Diagnostic Bacteriology	2	4
Fourth	AdCB 433	Advance Clinical	2	4

		<b>biochemistry</b>		
<b>Fourth</b>	<b>MePa 422</b>	<b>Medical Parasitology</b>	<b>2</b>	<b>4</b>
<b>Fourth</b>	<b>BITr 450</b>	<b>Blood transfusion</b>	<b>2</b>	<b>4</b>
<b>Fourth</b>	<b>Hist 412</b>	<b>Histopathology</b>	<b>1</b>	<b>4</b>
<b>Fourth</b>	<b>LaMa 470</b>	<b>Laboratory management</b>	<b>1</b>	<b>–</b>
<b>Fourth</b>	<b>EnLa464</b>	<b>English Language</b>	<b>1</b>	<b>–</b>
<b>Fourth</b>	<b>Proj 480</b>	<b>Project</b>	<b>–</b>	<b>5</b>

### 13. Personal Development Planning

1. Through the scientific conference of the college
2. The department's scientific symposium
3. Research seminars

### 14. Admission criteria .

- 
- Central Admission for Morning Studies
- According to the regulations set by the Ministry of Higher Education through the central admission
- Scientific interview

### 15. Key sources of information about the program

- Textbooks
- Websites of Iraqi and foreign universities
- Workshops held by the Ministry of Higher Education in addition to the Ministry's standards
- Twinning with the College of Health and Medical Technologies / Central University.



## Curriculum Skills Map

**please tick in the relevant boxes where individual Program Learning Outcomes are being assessed**

				Program Learning Outcomes															
Year / Level	Course Code	Course Title	Core (C) Title or Option (O)	Knowledge and understanding				Subject-specific skills				Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
first	EnLa 161	English Language	Core (C) Title	√	√	√	√									√	√	√	√
first	HuRi 100	Human rights&democracy	Core (C) Title	√	√	√	√					√	√	√	√	√	√	√	√
first	Comp 150	Computer	Core (C) Title	√	√	√	√	√	√	√						√	√	√	√
first	GeCh 110	General Chemistry	Core (C) Title	√	√	√	√	√	√	√						√	√	√	√
first	AnMT 120	Anatomy and medical terminology	Core (C) Title	√	√	√	√	√	√	√						√	√	√	√
first	HuBi 130	Human Biology	Core (C) Title	√	√	√	√									√	√	√	√
first	LaIn 140	Lab	Core (C) Title	√	√	√	√	√	√	√						√	√	√	√

		Instrument s																	
<b>first</b>	<b>Me Et 100</b>	Medical Ethics	Core (C) Title	√	√	√	√	√	√	√						√	√	√	√

<b>Second</b>	<b>Hist 210</b>	Histology	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
	<b>MePE 221</b>	MedicalParasit ology&	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√

		Entomology																		
<b>Second</b>	<b>Cl Bi 231</b>	Clinical Biochemistry	<b>Core</b> title	√	√	√	√	√	√							√	√	√	√	
<b>Second</b>	<b>HuPh 250</b>	Human physiology	<b>Core</b> title	√	√	√	√						√	√	√	√	√	√	√	√
	<b>MoBi 260</b>	Molecular Biology	<b>Core</b> title	√	√	√	√	√	√	√						√	√	√	√	
<b>Second</b>	<b>Bios270</b>	Biostatistics	<b>Core</b>	√	√	√	√	√	√	√						√	√	√	√	

			title																
<b>Third</b>	<b>Hist 311</b>	<b>Histopathology</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
	<b>Hema 320</b>	<b>Hematology</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Third</b>	<b>ViMy 330</b>	<b>Virology &amp; Mycology</b>	<b>Core title</b>	√	√	√	√									√	√	√	√
	<b>ClCh 332</b>	<b>Clinical Chemistry</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Third</b>	<b>HuGe 350</b>	<b>Human Genetics</b>	<b>Core title</b>	√	√	√	√					√	√	√	√	√	√	√	√
	<b>Immu 361</b>	<b>Immunology</b>	<b>Core title</b>	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√
<b>Third</b>	<b>AdLT 370</b>	<b>Advanced laboratory techniques</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Third</b>	<b>CoAB 380</b>	<b>Computer Application</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
			<b>Core title</b>	√	√	√	√									√	√	√	√
<b>Fourth</b>	<b>ClIm 462</b>	<b>Clinical Immunology</b>	<b>Core title</b>	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√
	<b>DiBa 420</b>	<b>Diagnostic Bacteriology</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Fourth</b>	<b>AdCB 433</b>	<b>Advance Clinical biochemistry</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
	<b>MePa 422</b>	<b>Medical Parasitology</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√



<b>Fourth</b>	<b>BlTr 450</b>	<b>Blood transfusion</b>	<b>Core title</b>	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√
	<b>Hist 412</b>	<b>Histopathology</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Fourth</b>	<b>LaMa 470</b>	<b>Laboratory management</b>	<b>Core title</b>	√	√	√	√	√	√	√						√	√	√	√
<b>Fourth</b>	<b>Proj 480</b>	<b>Project</b>	<b>Core title</b>	√	√	√	√	√	√	√		√	√	√	√	√	√	√	√
			<b>Core title</b>	√	√	√	√									√	√	√	√

