

Republic of Iraq
Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate
Quality Assurance and Academic Accreditation

Academic Program Specification Form For The Academic

University: Middle Technical University
College : Technical Institute-kut
Department : Health community
Date Of Form Completion : 2016/11/10

Dean's Name

Date : / /

Signature

*Dean's Assistant For
Scientific Affairs*

Date : / /

Signature

Head of Department

Date : / /

Signature

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	<i>Technical Institute-ƙut</i>
2. University Department/Centre	Health community
3. Programme Title	Microbiology
4. Title of Final Award	Technical Diploma
5. Modes of Attendance offered	Morning and evening study
6. Accreditation	World Health Organization
7. Other external influences	Central appointment
8. Date of production/revision of this specification	2016/11/10
9. Aims of the Programme	
1-Graduation of technical cadres working in the field of health and safety and health inspection and supervision of professional -2implementation of health care programs. .3Health Survey teams and health awareness campaigns 4-4-doctor's help in nursing and diagnostic and therapeutic procedures -5operation of medical devices used and take care of it 6-surveys of the transition teams disease and how to control it	

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

a1-that the student should be able to recognize the microbiology disease, parasites and insects and immunology in general and simplified.

B. Subject-specific skills

B 1 -tchkas simple laboratory cases

B 2 Conduct some emergency laboratory tests Kaazl certain bacteria.

Teaching and Learning Methods

.1Lectures

.2discussion and dialogue

.3The use of teaching aids

.4practical application

- 5Summer -Training

Assessment methods

Theoretical and practical and oral tests

C. Thinking Skills

C1-implement assessment programs

C 2-use of teaching aids

C 3-use medical devices.

Teaching and Learning Methods

1-direct diction.

2-means illustrations

Assessment methods

1- Daily test (written or oral)

- 2-monthly tests
- 3-Student reports
- 4- final exams

- D. General and Transferable Skills (other skills relevant to employability and personal development)
- D1- Mental abilities of the student development
 - D2-skills capacity development

Teaching and Learning Methods

- 1- Diversifying the ways and give the student an opportunity to choose
- 2. Urge the student to conduct research and reports

Assessment Methods

- .1Follow-up reports
- 2. The final tests

11. Programme Structure

11. Programme Structure			12. Awards and Credits
Level/Year	Course or Module Title	Credit rating	
First	microbiology		

13. Personal Development Planning

-The collection of pathological models, conservation and transported to the laboratory, or the analysis and diagnosis center when it is part of the health team.
2-dealing with microbiology and diagnose the source

14. Admission criteria .

Preparatory School branch of scientific study
The average of at least 85%

15. Key sources of information about the programme

1. Book microbiology Medical Dr. Mahdi Al-Sammak

Curriculum Skills Map

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

			Programme Learning Outcomes																
Year / Level	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	Microbiology	Basic			=					=				=				=	

10. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Knowledge and Understanding

- a1- Shall recognize a collection of bacteria or parasite patients -
- a2- knowledge of bacterial growth curve.
- 3 (a) taking wipes germ ways

B. Subject-specific skills

- .B 1 - identifier style dab germ cells
- B2- bacterial growth arrest
- 3 (b) knowledge of ways to expand the germ cells

Teaching and Learning Methods

Theoretical lectures and practical

- Presentations
- Scientific visits
- summer training

Assessment methods

- * Direct oral questions
- * Exams fast daily
- * Aalvsalih and final exams

C. Thinking Skills

- Control the spread of certain bacterial.
- C 2-identify means to get rid of bacterial contamination.

Teaching and Learning Methods

Theoretical lectures and practical

- Presentations
- Scientific visits
- summer training

Assessment methods
*Direct oral questions * Exams fast daily

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

D1- study and develop Statistics for the spread of a **particular** disease or stand on .its causes

D2- insert-specific disease to study the spread during the period of time and patching certain Ajafraveh data .

Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2 theoretical 3 Practical	The student understands the lesson	*General view about micro biology, branches of micro biolog, medical micro biology, food micro biology, soil micro biology. Animal cell and plant cell.	theoretical Practical	Daily and monthly exams
2	=	=	*The shape of the bacteria, it's size, it's arrengment and the structure of the bacterial cells.	=	=
3	=	=	*Spores and capsules. Staining of the bacteria: Smear preparation, gram stain, Acid fast stain. Growth condition of the bacteria: nutrition, energy, humidity.	=	=
4	=	=	*Nutrition of the bacteria, growth curve. factors influence	=	=

			bacterial growth: temperature, humidity and the concentration of the =hydrogen ion.		
5	=	=	*Control of the microorganisms: sterilization, physical methods, chemical methods and disinfection.	=	=
6	=	=	*Respiretory tract infections: Throat swab, sputum, Streptococci,Staphylococci, diphtheria and hemophilus.	=	=
	=	=		=	=
7	=	=	*Digestive, Brucella,Shigella, Escherichia coli.	=	=
8	=	=	*Food poisoning, types of the food poisoning according to bacterial infection	=	=
9	=	=	*Hospital infection and control programs, urinary tract infection, etiologic agents.	=	=
10	=	=	*Fungal infection, general characteristics of the fungi, laboratory diagnosis of stool, urine, hair and skin scrapining.	=	=
11	=	=	*Virology, difinition of the virus, it's morphology, it's structure, some viral infections, viral hepatitis and influenza.	=	=

12	=	=	*Parasitology, definition of the parasites, their medical importance, their classification, their names, epidemiology of the parasites and their geographical distribution.	=	=
13	=	=	*Protozoa, intestinal protozoa, Entamoeba histolytica, Giardia	=	=
14	=	=	*Malaria, distribution, etiologic agents,	=	=
15	=	=	*Worms: cestoda,	=	=
16	=	=	*Hydatid cyst, causative	=	=
17	=	=	*Hymenolepis nana, distribution, life cycle,	=	=
18	=	=	*Schistosoma, balharziasis.	=	=
Week		=	*Details of the singulars	=	=
19	=	=	*Nematoda, Ascaris, pin worms, Ancylostoma.	=	=
20	=	=	*insects of medical importance: mosquitoes, lice, ticks, flies.	=	=
21	=	=	*Rabid animals, infected dogs and cats their roles in transmission of some diseases.	=	=
22	=	=	*Immunity, types of immunity, immune system, immune organs, types and characteristics of the immunity.	=	=
23	=	=	*Body defense mechanisms, agglutination and precipitation reaction, diagnosis of the diseases.	=	=
24	=	=	*Widal test and rose	=	=

			bengal test.		
25	=	=	*Pregnancy test, VDRL test, treponemapallidum hemagglutination test, hydatid cyst agglutination test.	=	=
26	=	=	*Precipitation reaction tests, ring test, single diffusion, double diffusion, radio immunoassay.	=	=
27	=	=	*Hyper sesitivity, types of hyper sensitivity, skin test, vaccine.	=	=
28	=	=	*Autoimmune diseases.	=	=
29	=	=	*Systemic lupus erythematosus, rheumatoid arthritis test.	=	=
30	=	=	*The role of immunity against diseases.	=	=

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	the book systematically
Special requirements (include for example workshops, periodicals, IT software, websites)	Scientific bag of microorganisms
Community-based facilities (include for example, guest Lectures , internship , field studies)	

13. Admissions

Pre-requisites	
Minimum number of students	50
Maximum number of students	150