

# 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	Kut technical institute
2. University Department/Centre	Pathological analysis
3. Course title/code	Bacteriology
4. Programme(s) to which it contributes	
5. Modes of Attendance offered	Attendance is mandatory
6. Semester/Year	year
7. Number of hours tuition (total)	180
8. Date of production/revision of this specification	2016-11-9
9. Aims of the Course	
the student learn the various technique in microbiology -1 ...E.g.: streaking , stabbing , etc . to learn the types of media and haw to prepared -2 .to learn all types of sterilization and disinfection used in Lab -3 ...E.g.: sterilization of media , all glass wares , benches , floor , etc . to learn abstract systemic microbiology -4 Isolation , diagnosis diseases caused , clinical samples	

10. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Knowledge and Understanding

- A1.daignosis pathogenic bacteria
- A2.know how can treatment the bacterial disease
- A3.
- A4.
- A5.
- A6 .

B. Subject-specific skills

- B1. Labs
- B 2 - scientific visits
- B 3 - summer training

Teaching and Learning Methods

Laboratories and scientific visits and summer training

Assessment methods

Oral + written + quarterly exams + final

C. Thinking Skills

- C1.You can work in government institutions
- C2..Be eligible for technical diploma
- C3.
- C4.

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

- D1.the student learn the various technique in microbiology.
- D2.to learn the types of media and how to prepared.
- D3.to learn all types of sterilization and disinfection used in lab.
- D4.to learn abstract systemic microbiology.

## 11. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	6	Technical diploma	Introduction of bacteriology science	Used data show	Tests and viva
2	6	=	Structure and shape of bacteria and secondary structure of bacterial cell	Used data show	Tests and viva
3	6	=	Bacterial physiology, and growth requirements.	Used data show	Tests and viva
4	6	=	Sterilization and disinfection.	Used data show	Tests and viva
5	6	=	Infection and source of infection	Used data show	Tests and viva
6	6	=	Systemic bacteriology .genus staphylococcus.	Used data show	Tests and viva
7	6	=	Genus streptococcus and general characteristic and toxin	Used data show	Tests and viva
8	6	=	Genus streptococcus group B,C,D.	Used data show	Tests and viva
9	6	=	Gram positive bacilli-corynebacterium diptheria	Used data show	Tests and viva
10	6	=	Genus mycobacterium and characters ,disease immunity	Used data show	Tests and viva
11	6	=	Genus bacillus – bacillus anthracis and general characters	Used data show	Tests and viva
12	6	=	Anaerobic bacteria-clostridium perfringens	Used data show	Tests and viva
13	6	=	Genus Neisseria, general characters, neisseria gonorrhoeae	Used data show	Tests and viva
14	6	=	Genus haemophilus and bordetella general characters and virulence	Used data show	Tests and viva
15	6	=	Family –	Used data	Tests and viva

			enterobacteriaceae	show	
16	6	=	Genus proteus ,characters and virulence ,immunity	Used data show	Tests and viva
17	6	=	Genus salmonella disease ,virulence	Used data show	Tests and viva
18	6	=	Genus pseudomonas, general characters ,resistant to antibiotic	Used data show	Tests and viva
19	6	=	Genus vibrio	Used data show	Tests and viva
20	6	=	Genus brucella ,Yersinia	Used data show	Tests and viva
21	6	=	Genus francisella general characters	Used data show	Tests and viva
22	6	=	Nocardia and mycoplasma	Used data show	Tests and viva
23	6	=	chlamydia	Used data show	Tests and viva

## 12. Infrastructure

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	microbiology
Special requirements (include for example workshops, periodicals, IT software, websites)	websites
Community-based facilities (include for example, guest Lectures , internship , field studies)	internship

## 13. Admissions

The use of PCR in diagnosis.