

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	virology
4. Programme(s) to which it contributes	
5. Modes of Attendance offered	Attendance is mandatory
6. Semester/Year	Yearly
7. Number of hours tuition (total)	45
8. Date of production/revision of this specification	22-11-2016
9. Aims of the Course	
having an idea about the human pathogenic viruses and its diseases and the lab. Diagnosis of its.	

10. Learning Outcomes, Teaching ,Learning and Assessment Methods

A- Knowledge and Understanding

- A1. acquaint students about virus and
- A2. how to diagnose and treatment.
- A3.
- A4.
- A5.
- A6 .

B. Subject-specific skills

- B1. The use of modern equipment in the diagnosis of viruses
- B2.** To know how can be analyzed different techniques of diagnosis the pathogenic viruses.
- B3.**

Teaching and Learning Methods

Laboratories and scientific visits and summer training

Assessment methods

Oral + written + quarterly exams + final

C. Thinking Skills

- C1. Lectures
- C2. practical skills within the laboratory
- C3.
- C4.

12. Infrastructure

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

D1. Work in government and private medical laboratories

D2. the possibility of completing his studies and obtain the highest certification

D3.

D4.

11. Course Structure

Week	Hou rs	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	3	Technical diploma	Introduction , General properties of virus , structure, classification of DNA & RNA viruses.	Theoretical , practical	Theoretical , practical and oral
2	3	=	Replication of DNA and RNA virus	Theoretical , practical	Theoretical , practical and oral
3	3	=	Virus isolation & cultivation.	Theoretical , practical	Theoretical , practical and oral
4	3	=	Chemotherapy , antiviral agent & vaccines.	Theoretical , practical	Theoretical , practical and oral
5	3	=	Influenza viruses	Theoretical , practical	Theoretical , practical and oral
6	3	=	Paramyxo & Robella viruses.	Theoretical , practical	Theoretical , practical and oral
7	3	=	Enteric viruses, Rhinovirus group.	Theoretical , practical	Theoretical , practical and oral
8	3	=	Pathogenesis of viruses and Genetic of viruses	Theoretical , practical	Theoretical , practical and oral
9	3	=	Herpes viruses	Theoretical , practical	Theoretical , practical and oral
10	3	=	Oncogenic viruses	Theoretical , practical	Theoretical , practical and oral
11	3	=	Hepatitis viruses	Theoretical , practical	Theoretical , practical and oral
12	3	=	Rabies & other neurotropic viruses	Theoretical , practical	Theoretical , practical and oral
13	3	=	Arbo viruses & viral haemorrhagic viruses	Theoretical , practical	Theoretical , practical and oral
14	3	=	Adeno, pox & parvo viruses	Theoretical , practical	Theoretical , practical and oral
15	3	=	Retro & Adis	Theoretical , practical	Theoretical , practical and oral

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1-books (text book of virology) 2-library sources 3-Internet sources
Special requirements (include for example workshops, periodicals, IT software, websites)	Scientific visits to laboratories in hospitals and knowledge of modern equipment
Community-based facilities (include for example, guest Lectures , internship , field studies)	Scientific visits to laboratories in hospitals and knowledge of modern equipment

13. Admissions

The use of PCR to diagnosis