

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.

١. Teaching Institution	University of Kirkuk
٢. University Department/Centre	College of Veterinary Medicine
٣. Course title/code	Virology / PART ٢/CVM٣٢٠٥
٤. Modes of Attendance offered	Third Class
٥. Semester/Year	Second Semester \ ٢٠٢٠-٢٠٢١
٦. Number of hours tuition (total)	٦٠ Hours
٧. Date of production/revision of this specification	١/١/٢٠٢١
٨. Aims of the Course	
١. Teaching students virology that concerned with the study of viruses that infect animals and the diseases they cause	
٢. understanding the basic principles of virology related to infection and animal diseases, and discovering the clinical characteristics and characteristics of viruses that infect animals.	
٣. learning emerging viral diseases	
٤. Methods of viral replication within host cells	
٥. Study of the characteristics and clinical features of viruses that infect animals and describe their treatment and control	
٩. Learning Outcomes, Teaching, Learning and Assessment Method	

1. Cognitive goals .

A¹- Teaching the student the basic of virology science

A²- Enable our students to become skilled diagnostic viral diseases of animals that may affect the public.

A³- Teaching the method of prevention of viral diseases

A⁴- Students are introduced to basic practical skills (including animal handling, laboratory skills, that concern virus.

A⁵- To develop an understanding of the mechanisms of viral disease in animals and to recognise the importance of control and therapy.

A⁶- To develop an understanding of the scientific vaccination method.

B. The skills goals special to the course.

B¹- Introducing students to the field of veterinary medicine in the community

B² - Enabling students to take the course in protecting society from diseases

Teaching and Learning Methods

1) The lectures.

2) Discussions during and after the lecture.

3) Motivation through questions and answers.

4) Homework

5) Preparing scientific reports

Assessment methods

1) Daily and monthly (theoretical) tests.

2) Discussing scientific reports

3) Questions and answers

C. Affective and value goals

C¹. Enable the student to think according to his ability

C²- The student understands when and how he should think during and after the lecture

C³- Effective thinking strategy in learning

C⁴- Pose a problem for analysis

Teaching and Learning Methods

- Implementation methods: a teacher who listens to the learners while they sit in front of him, and they listen to him, and he must have the ability to indoctrinate and absorb information.
- Conversational methods: the teacher must possess a high scientific ability and the attendees have information on the topic of the discussion.
- The discovery method: the teacher observes the activities of the learners who are taking examples individually or collectively.

Assessment methods

1. Semester and final theory exams with a rate of 90%.

2. Extra-curricular activities (reports, making wall posters) by 10%.

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)

D₁. Teamwork: Working in harmony with a group or team.

D₂. Initiative Motivation to work: the ability to take the initiative, determine the hypothesis, and put forward ideas and solutions.

D₃. Planning & organization: The ability to develop plans and programs that are feasible for implementation.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	ε	General Virology	Introduction to virology	2 hours theory 2 hours practical	
2	ε		Structure of viral nucleic acids	2 hours theory 2 hours practical	
3	ε		Steps of Virus Infections	2 hours theory 2 hours practical	
4	ε		Viral Multiplication	2 hours theory 2 hours practical	
5	ε		Chemical composition of NA	2 hours theory 2 hours practical	
6	ε		VIRUS-CELL INTERACTION	2 hours theory 2 hours practical	
7	ε		Classification of Animal Viruses	2 hours theory 2 hours practical	
8			Mid-term exam		Theoretical exam (20 marks) Practical exam (10 marks) Report (0 marks)
9	ε	Veterinary Virology	RNA Viruses Group	2 hours theory 2 hours practical	
10	ε		DNA Viruses Group	2 hours theory 2 hours practical	
11	ε		Orthomyxoviruses Paramyxoviridae	2 hours theory 2 hours practical	
12	ε		Rhabdoviridae	2 hours theory 2 hours practical	
13	ε		Herpesviridae & Poxviridae	2 hours theory 2 hours practical	
14	ε		Genetics & Evolution of Viruses	2 hours theory 2 hours practical	
15	ε		Interferon	2 hours theory 2 hours practical	
			Final-term exam.		Theoretical exam (40 marks) Practical exam (10 marks)

١. Books Required reading:	
٢. Main references (sources)	<p>١-Veterinary Virology .Sharma S(٢٠٠٩) International Book Distributing Co.</p> <p>٢-Veterinary microbiology and microbial disease. P.J. Quinn et al., ٢٠٠٢.</p> <p>٣-Veterinary microbiology, Volume ٢, M, I, Sawa, ١٩٩١.</p>
A- Recommended books and references (scientific journals, reports...).	
B-Electronic references, Internet sites...	Wikipedia
١٢. The development of the curriculum plan	
١. Adding Visual Studio to the curriculum.	

