

## TEMPLATE FOR PROGRAMME SPECIFICATION

### HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

#### PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program 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 program.

1. Teaching Institution	University of Kirkuk
2. University Department/Centre	College of Veterinary Medicine
3. Program Title	Description of the academic program of the Faculty of Veterinary Medicine
4. Title of Final Award	Bachelor of Veterinary Medicine and Surgery
5. Modes of Attendance offered	Quarterly
6. Accreditation	AVMA(American Veterinary Medical Association)
7. Other external influences	Training courses in laboratories and a visit to the veterinary hospital
8. Date of production/revision of this specification	
9. Aims of the Program	
1. Providing distinguished education to prepare graduate veterinarians and qualify them scientifically, culturally and professionally to support the public, private and mixed sectors.	
2. Adoption of comprehensive bases of quality assurance, including internal and external evaluation, in line with international standards.	
3. Develop scientific research and postgraduate studies in the field of veterinary medicine and its various scientific branches.	
4. Active participation with relevant colleges and local, Arab and international universities through holding lectures, courses and seminars, and attending international conferences through cultural cooperation.	

5. Continuous improvement of the academic, administrative and educational organization of the college.

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

- A. Cognitive goals  
A1. Knowledge and understanding.  
A2. stages of treatment in veterinary medicine.  
A3. Applied diagnosis.  
A4.  
A5.  
A6.

- B. The skills goals special to the programme .  
B1- Technical and planning skills for treatment.  
B2 - Technical and planning skills related to diagnosis.  
B3 - Animal control skills.

### Teaching and Learning Methods

1. Explanation and clarification.
2. The method of the lecture.
3. The method of self-education.

### Assessment methods

1. Theoretical tests
2. Scientific tests.

- C. Affective and value goals  
C1. C 1- Observation and perception.  
C2 - analysis and interpretation.  
C3 - Conclusion and evaluation.  
C4 - Preparation and evaluation.

### Teaching and Learning Methods

1. Explanation and clarification.
2. The method of displaying the lectures.
3. The method of self-learning.

### Assessment methods

1. Theoretical tests
2. Scientific tests.

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

- D1- Leadership skills.
- D2- The ability to diagnose diseases.
- D3- Gaining compatibility in treating animals.
- D 4- Improving animal husbandry.

Teaching and Learning Methods

- 1. Explanation and clarification.
- 2. The method of displaying the lectures.
- 3. The method of self-learning.

Assessment Methods

- 1. Theoretical tests
- 2. Scientific tests.

11. Program Structure

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
				<b>1. Team work: working within the group effectively.</b> <b>2. Time management: Effective time management and prioritization with the ability to work in an organized manner.</b> <b>3. Independence at work.</b>  (4) degree , 3 degree Theory and 1degree practical
Four	CVM3103	General Microbiology		

### 13. Personal Development Planning

1. Team work: working within the group effectively.
2. Time management: Effective time management and prioritization with the ability to work in an organized manner.
3. Independence at work.

### 14. Admission criteria .

Acceptance, provided that the average is not less than 80%

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

# 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	Kirkuk University
2. University Department/Centre	Veterinary Medicine
3. Course title/code	General Microbiology / CVM3103
4. Modes of Attendance offered	Three grade students
5. Semester/Year	Third year / First semester
6. Number of hours tuition (total)	First semester 75 hours
7. Date of production/revision of this specification	2/9/2021
8. Aims of the Course	
	1- Accustoming the learner to discussion, research and conclusion in everything he hears, sees and thinks about in order to reach the facts (developing the scientific spirit of the student)
	2- The semester includes the vocabulary of veterinary microbiology curricula (germs, fungi, mycoplasma) for third-year students, which included a general section that includes the introduction of the stages of the development of this science throughout history, the forms of these organisms and their physiological properties, their reproduction, classification, nutrition, relationship with the host and how to control and eliminate them.
	3- And a special part related to the diseases caused by these microbiology in animals and their relationship to public health, the ways of spreading diseases caused by their diseases, their epidemics and what appears on the sick animal clinical signs and pests

and foundations adopted in the clinical and laboratory diagnosis of these diseases and how to prevent and control them and prevent their spread and has been benefited from modern foreign scientific sources.


9. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals

A1. Knowledge and understanding.

A2. stages of treatment in veterinary medicine.

A3. Applied diagnosis

B. The skills goals special to the course.

B1. Technical and planning skills for treatment.

B2 - Technical and planning skills related to diagnosis.

B3 - Animal control skills.

Teaching and Learning Methods

1. Explanation and clarification.
2. The method of the lecture.
3. The method of self-education.

Assessment methods

- 1 . Semester and final theory exams
2. Semester and final practical exams
3. Extracurricular activities (reports, making wall posters).

C. Affective and value goals

C1- Observation and perception.

C2 - analysis and interpretation.

C3 - Conclusion and evaluation.

C4 - Preparation and evaluation.

Teaching and Learning Methods

Teaching methods / using data show devices + smart board

Learning Methods / Encouraging students to read external sources and urging them to become self-reliant.

Assessment methods

- 1- Theoretical tests
- 2- Practical tests
- 3- daily activities
- 4- Extra-curricular activities



D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)  
 D1- Follow up on developments in the field of veterinary microbiology  
 D2 - Reading recent sources and research  
 D3- Keeping pace with the times in the fields of medical, veterinary and agricultural developments .

### 10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	5		Introduction & history of microbiology	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
2	5		Bacterial cell structure & functions	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
3	5		Bacterial Classification	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
4	5		Bacterial Nutrition and growth	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
5	5		Sterilization and Disinfection	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
6	5		Midterm examination	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
7	5		Antibiotic and chemical agent .	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
8	5		Bacterial Genetics	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
9	5		Bacterial Virulence	Theoretical (3 hour) + practical (2	Theoretical and practical exams

				hours)	
10	5		Normal Flora	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
11	5		Midterm examination	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
12	5		Probiotics bacteria	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
13	5		Rickettsia & Chlamydia	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
14	5		Mycoplasma	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams
15	5		Final Examination	Theoretical (3 hour) + practical (2 hours)	Theoretical and practical exams

11. Infrastructure	
1. Books Required reading:	-
2. Main references (sources)	<b>Quinn, P.J., M.E. Carter, B.K. Markey and G.R. Carter. 2011. Veterinary Microbiology and Microbial Disease , John Wiley &amp; Sons, UK .</b>
A- Recommended books and references (scientific journals, reports...).	<b>Jawetz, E. 2010. Medical Microbiology, 25<sup>th</sup> Ed. Prentice Hall Ltd. London.</b>
B-Electronic references, Internet sites...	<b>Jawetz, E. 2013. Medical Microbiology, 26<sup>th</sup> Ed. Prentice Hall Ltd. London</b>
12. The development of the curriculum plan	

1. Follow-up students and continuous communication with them during school hours.
2. Provide more scientific care in various ways and forms such as increasing the hours of explanation and presentations  
Educational.
3. Theoretical and practical reviews