

## EMPLATE 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 Biology II / CVM1201
4. Modes of Attendance offered	First grade students
5. Semester/Year	First year / First semester
6. Number of hours tuition (total)	First semester 45 hours
7. Date of production/revision of this specification	2/9/2022
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 biology 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	IL Os	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	3		Living Organisms	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
2	3		Comparison between Prokaryotic & Eukaryotic	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
3	3		<b>Mitosis</b>	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
4	3		Meiosis	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
5	3		Midterm examination	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
6	3		Types of Living Tissue	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
7	3		Stem Cells	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
8	3		Blood Composition & Function	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
9	3		General Characters of Bacteria	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams

				hours)	
10	3		General Characters of Viruses	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
11	3		Midterm examination	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
12	3		Introduction to Molecular Biology	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
13	3		Nucleic acid types & Functions .	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
14	3		Genes & Chromosomes & Genetic Engineering .	Theoretical (2 hour) + practical (2 hours)	Theoretical and practical exams
15	3		Final Examination	Theoretical (2 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