

# 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	Physiology CVM٢١.٢/CVM٢٢.٣
٤. Modes of Attendance offered	Second class
٥. Semester/Year	First and Second Semester \ ٢٠٢٠-٢٠٢١
٦. Number of hours tuition (total)	١٨٠
٧. Date of production/revision of this specification	٢/٩/٢٠٢٠
٨. Aims of the Course	<ol style="list-style-type: none"><li>١. Teaching veterinary physiology with its theoretical and practical parts, through which the Clinical Physiology Training</li><li>٢. How to manage the hematology laboratory</li><li>٣. Send samples to the laboratory</li></ol>

### ٩. Learning Outcomes, Teaching, Learning and Assessment Method

## 1. Cognitive goals .

A<sub>1</sub>- Teaching the student the concept of physiology and its general principles.

A<sub>2</sub>- Knowledge, understanding and comprehension of the scientific subject curriculum.

A<sub>3</sub>- To classify the theoretical and practical needs for the development of learning and teaching in the appropriate manner with the scientific subject.

A<sub>4</sub>- - knowledge and understanding

A<sub>5</sub>- To classify theoretical and practical needs

A<sub>6</sub>- To understand the physiology curriculum

A<sub>7</sub>- Developing learning and teaching in an appropriate manner in physiology

B. The skills goals special to the course.

B<sub>1</sub>- Introducing students to the field of veterinary medicine in the community

B<sub>2</sub> - 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

C<sub>1</sub>. Enable the student to think according to his ability

C<sub>2</sub>- The student understands when and how he should think during and after the lecture

C<sub>3</sub>- Effective thinking strategy in learning

C<sub>4</sub>- 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)

D<sub>1</sub>. Teamwork: Working in harmony with a group or team.

D<sub>2</sub>. Initiative Motivation to work: the ability to take the initiative, determine the hypothesis, and put forward ideas and solutions.

D<sub>3</sub>. 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	6		Introduction	3 hours theory 3 hours practice	
2	6		Nerve & muscle cell	3 hours theory 3 hours practice	
3	6		Frog sciatic nerve & gastrocnemius	3 hours theory 3 hours practice	
4	6		Autonomic nerves system	3 hours theory 3 hours practice	
5	6		Muscle contraction & repeat prolonged	3 hours theory 3 hours practice	
6	6		Blood composition	3 hours theory 3 hours practice	
7	6		Blood pressure	3 hours theory 3 hours practice	
8	6		R.B.C & W.B.C & Hb	3 hours theory 3 hours practice	Theoretical (70) and practical (30) exams + reports (0)
9	6		ESR & PCV & wintrobe	3 hours theory 3 hours practice	
10	6		Cardio vascular system	3 hours theory 3 hours practice	
11	6		Frogs heart	3 hours theory 3 hours practice	
12	6		Lymph & cerebrospinal fluid	3 hours theory 3 hours practice	
13	6		Respiratory system	3 hours theory 3 hours practice	
14	6		Digestive system	3 hours theory 3 hours practice	
15	6		Digestive system	3 hours theory 3 hours practice	
			<b>Final-term exam.</b>		theory and practice exam (30 + 70)

### 10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
١	٦		<b>Kidney</b>	٤ hours theory ٢ hours practice	
٢	٦		Other urinary system	٤ hours theory ٢ hours practice	
٣	٦		Blood group	٤ hours theory ٢ hours practice	
٤	٦		Endocrine system	٤ hours theory ٢ hours practice	
٥	٦		Endocrine system	٤ hours theory ٢ hours practice	
٦	٦		Respiratory & volume & pulmonary ventilation	٤ hours theory ٢ hours practice	
٧	٦		Male reproductive system	٤ hours theory ٢ hours practice	
٨	٦		Female reproductive system	٤ hours theory ٢ hours practice	Theoretical (٢٥) and practical (١٠) exams + reports (٥)
٩	٦		Central nerves system	٤ hours theory ٢ hours practice	
١٠	٦		Reflex action in man & taste	٤ hours theory ٢ hours practice	
١١	٦		Sensory physiology	٤ hours theory ٢ hours practice	
١٢	٦		Estrous cycle in Rat	٤ hours theory ٢ hours practice	
١٣	٦		Evaluation of seminal quality	٤ hours theory ٢ hours practice	
١٤	٦		Concentration of spermatozoa	٤ hours theory ٢ hours practice	
١٥	٦		Ovariectomy in Rat	٤ hours theory ٢ hours practice	
			<b>Final-term exam.</b>		theory and practice exam (٤٠ + ٦٠)

١١. Infrastructure	
١. Books Required reading:	
٢. Main references (sources)	Medical physiology Gannon 2010 Physiology Guyton 2010
A- Recommended books and references (scientific journals, reports...).	

B-Electronic references, Internet sites...

Wikipedia

۱۶. The development of the curriculum plan

۱. Adding Visual Studio to the curriculum.