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	University of Kirkuk
2. University Department/Centre	College of Veterinary Medicine
3. Course title/code	Physiology CVM2103/CVM2203
4. Modes of Attendance offered	Second class
5. Semester/Year	First and Second Semester \ 2021-2022
6. Number of hours tuition (total)	180
7. Date of production/revision of this specification	2/9/2021
8. Aims of the Course	
1. Teaching veterinary physiology with its theoretical and practical parts, through which the Clinical Physiology Training 2. How to manage the hematology laboratory 3. Send samples to the laboratory	

9· Learning Outcomes, Teaching, Learning and Assessment Method

1. Cognitive goals .

A1- Teaching the student the concept of physiology and its general principles.

A2- Knowledge, understanding and comprehension of the scientific subject curriculum.

A3- To classify the theoretical and practical needs for the development of learning and teaching in the appropriate manner with the scientific subject.

A 4- - knowledge and understanding

A 5- To classify theoretical and practical needs

A6- To understand the physiology curriculum

A7- Developing learning and teaching in an appropriate manner in physiology

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 95%
2. Extra-curricular activities (reports, making wall posters) by 5%

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	6		Introduction	4 hours theory 2 hours practice	
2	6		Nerve & muscle cell	4 hours theory 2 hours practice	
3	6		Frog sciatic nerve & gastrocnemius	3 hours theory 2 hours practice	
4	6		Autonomic nerves system	4 hours theory 2 hours practice	
5	6		Muscle contraction & repeat prolonged	4 hours theory 2 hours practice	
6	6		Blood composition	4 hours theory 2 hours practice	
7	6		Blood pressure	4 hours theory 2 hours practice	
8	6		R.B.C & W.B.C & Hb	4 hours theory 2 hours practice	Theoretical (25) and practical (10) exams + reports (5)
9	6		ESR & PCV & wintrobe	4 hours theory 2 hours practice	
10	6		Cardio vascular system	4 hours theory 2 hours practice	
11	6		Frogs heart	4 hours theory 2 hours practice	
12	6		Lymph & cerebrospinal fluid	4 hours theory 2 hours practice	
13	6		Respiratory system	4 hours theory 2 hours practice	
14	6		Digestive system	4 hours theory 2 hours practice	
15	6		Digestive system	4 hours theory 2 hours practice	
			Final-term exam.		theory and practice exam (40 +60)

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	6		Kidney	4 hours theory 2 hours practice	
2	6		Other urinary system	4 hours theory 2 hours practice	
3	6		Blood group	4 hours theory 2 hours practice	
4	6		Endocrine system	4 hours theory 2 hours practice	
5	6		Endocrine system	4 hours theory 2 hours practice	
6	6		Respiratory & volume & pulmonary ventilation	4 hours theory 2 hours practice	
7	6		Male reproductive system	4 hours theory 2 hours practice	
8	6		Female reproductive system	4 hours theory 2 hours practice	Theoretical (25) and practical (10) exams + reports (5)
9	6		Central nerves system	4 hours theory 2 hours practice	
10	6		Reflex action in man & taste	4 hours theory 2 hours practice	
11	6		Sensory physiology	4 hours theory 2 hours practice	
12	6		Estrous cycle in Rat	4 hours theory 2 hours practice	
13	6		Evaluation of seminal quality	4 hours theory 2 hours practice	
14	6		Concentration of spermatozoa	4 hours theory 2 hours practice	
15	6		Ovariectomy in Rat	4 hours theory 2 hours practice	
			Final-term exam.		theory and practice exam (40 +60)

11. Infrastructure	
1. Books Required reading:	
2. Main references (sources)	Medical physiology Gannon 2010 Physiology Guyton 2010
A- Recommended books and references (scientific journals, reports…).	

B-Electronic references, Internet sites…	Wikipedia
12. The development of the curriculum plan	
1. Adding Visual Studio to the curriculum.	