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	Milk Hygiene
٤. Modes of Attendance offered	Fifth class
٥. Semester/Year	Second \٢٠٢٠-٢٠٢١
٦. Number of hours tuition (total)	٦٠
٧. Date of production/revision of this specification	٢٢/٢/٢٠٢١
٨. Aims of the Course	

١. Teaching milk hygiene with its theoretical and practical parts, through which the Clinical Milk hygiene Training
٢. How to manage the milk hygiene laboratory
٣. Send samples to the laboratory

٩٠ Learning Outcomes, Teaching, Learning and Assessment Method

1. Cognitive goals .

A١- Teaching the student the concept of milk hygiene and its general principles.

A٢- Knowledge, understanding and comprehension of the scientific subject curriculum.

A٣- To classify the theoretical and practical needs for the development of learning and teaching in the appropriate manner with the scientific subject.

A ٤- - knowledge and understanding

A ٥- To classify theoretical and practical needs

A٦- To understand the milk hygiene curriculum

A٧- Developing learning and teaching in an appropriate manner in milk hygiene

B. The skills goals special to the course.

B١- Introducing students to the field of veterinary medicine in the community

B٢ - Enabling students to take the course in protecting society from diseases

Teaching and Learning Methods

١) The lectures.
٢) Discussions during and after the lecture.
٣) Motivation through questions and answers.
٤) Homework
٥) Preparing scientific reports

Assessment methods

١)Daily and monthly (theoretical) tests.
٢) Discussing scientific reports
٣) Questions and answers

C. Affective and value goals
C١. Enable the student to think according to his ability
C٢- The student understands when and how he should think during and after the lecture
C٣- Effective thinking strategy in learning
C٤- 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

١. Semester and final theory exams with a rate of ٩٥٪
٢. Extra-curricular activities (reports, making wall posters) by ٥٪

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

D١.Teamwork: Working in harmony with a group or team.

D٢. Initiative Motivation to work: the ability to take the initiative, determine the hypothesis, and put forward ideas and solutions.

D٣. Planning & organization: The ability to develop plans and programs that are feasible for implementation.

١٠. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
١	٤		Milk and chemical composition of raw milk		
٢	٤		Method of treating milk		
٣	٤		Microbiological of dairy milk		
٤	٤		Safety and quality of dairy products		
٥	٤		Milk from farm to plant		
٦	٤		Mammary gland and milk biosynthesis		
٧	٤		Hygiene by design		
٨	٤		Pathogenic of raw milk		
٩	٤		Milk specific gravity		
١٠	٤		Determination of fat and total solids in milk		
١١	٤		Adulteration of milk		
١٢	٤		Antibiotic residues in milk		
١٣	٤		Mastitis tests		
١٤	٤		Determination of aflatoxins in milk		
١٥	٤		Milk specific gravity		
			Final-term exam.		theory and practice exam (٤٠ +٦٠)

١٠. Infrastructure	
١. Books Required reading:	
٢. Main references (sources)	Text book of milk hygiene by William Ernst, Paperback
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.	