



Program Handbook

College

Veterinary Medicine

Department

Clinical Sciences

Program Title

Master of Veterinary Internal Medicine



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Introduction

This handbook consolidates all the essential information about the Veterinary Internal Medicine program for prospective applicants. It serves as a comprehensive guide, providing a clear and concise overview of the program's structure, objectives, and what to expect during your studies.

Inside, you will find crucial details regarding the program's vision, mission, and goals, along with information about admission requirements, the qualities expected of graduates, program learning outcomes, and the career opportunities available to alumni. Additionally, the handbook outlines the number of credit hours, available courses, laboratory facilities, equipment, and the services provided by both the program and the university.

This program offers a unique opportunity for applicants with a bachelor's degree in veterinary medicine to specialize in Veterinary Internal Medicine. Students will acquire the specialized knowledge and skills needed to tackle complex veterinary challenges, ensuring they are well-prepared to excel in an ever-evolving field while upholding the highest standards of professionalism and ethical integrity.

King Faisal University

King Faisal University is in the city of AL Houff, in Al-Ahsa Governorate, Eastern Province, Kingdom of Saudi Arabia. The university comprises 17 colleges, including:

1. Agriculture and Food Sciences
2. Veterinary Medicine
3. Education
4. Business Management
5. Medicine
6. Science
7. Computer Science and Information Technology
8. Applied Medical Sciences
9. Arts
10. Applied Studies
11. Law
12. Shariah and Islamic Studies
13. Energy and Sustainability
14. Applied Sciences (Abqaiq)
15. Dentistry
16. Engineering
17. Clinical Pharmacy

The university includes (6) support deanship, (35) administrative and research centers and units specializing in various scientific and applied fields.

College of Veterinary Medicine

Established in 1395 AH (1975 AD), the College of Veterinary Medicine at King Faisal University (KFU) is the first veterinary college in Saudi Arabia and the Arabian Gulf region. Located in Al-Ahsa, the college plays a pivotal role in enhancing animal health and contributing to the Kingdom's economic development.

The Kingdom of Saudi Arabia has been experiencing significant expansion and development in higher education and scientific research. The veterinary education and animal resource sectors are among the most important components of the national development plan. These initiatives run parallel to advancements in scientific fields and the cultivation of qualified faculty members and researchers in various areas of specialization.

College Vision

"Excellence in veterinary medical education, scientific research and community engagement".

College Mission

"Our mission is to provide compassionate veterinary care and exceptional learning through discovery and sharing of knowledge in basic and applied veterinary research for the benefit of our society".

College Structure

The College of Veterinary Medicine has the following six departments:

1. Department of Anatomy
2. Department of Biomedical Sciences
3. Department of Pathology
4. Department of Public Health
5. Department of Microbiology
6. Department of Clinical Sciences

Except for the Department of Clinical Sciences, the college's departments are in building 13 of King Faisal University's main campus at AL-Ahsa, AL Houff. The Department of Clinical Sciences is located at the Veterinary Teaching Hospital at the KFU Research Station.

Curriculum:

The college offers a comprehensive curriculum designed to equip students with the necessary skills and knowledge for a successful veterinary career. The study plan includes:
Bachelor's Program: A robust undergraduate program covering fundamental and clinical veterinary sciences.

Master's Programs:

Master of Veterinary Pathology

Master of Theriogenology

Master of Avian Diseases

Master of Animal Health – Preventive Medicine

Master of Microbiology and Immunology

Master of Parasitology

Master of Veterinary Internal Medicine

Master of Food Hygiene Sciences

Master of Pharmacology and Therapeutics
Master of Veterinary Anatomy

PhD programs:

PhD in Veterinary Pathology

PhD in Anatomy and Cell Biology

The Veterinary Teaching Hospital

The Veterinary Teaching Hospital (VTH) is affiliated with the College of Veterinary Medicine and provides diagnostic and therapeutic services, as well as consulting services, to the community.

VTH offers excellent training for final-semester students through a Clinical Intensive Training Course, focusing on clinical cases referring to the clinics of internal medicine, surgery, anesthesiology, radiology, obstetrics, gynecology and andrology, as well as diseases of birds and falcons.

Address: The College of Veterinary Medicine buildings are located at 13 on the main campus of King Faisal University and at 991 in the Research and Training Station.

Department of Clinical Sciences:

The Department of Clinical Sciences is a key academic and clinical unit within the College of Veterinary Medicine at King Faisal University (KFU). It plays a vital role in delivering comprehensive education, practical clinical training, and conducting applied research in various veterinary specialties. The department focuses on diagnosing, treating, and preventing animal diseases while also providing expert clinical services through the university's Veterinary Teaching Hospital.

Key Focus Areas:

Veterinary Internal Medicine

Theriogenology (Animal Reproduction and Obstetrics)

Diagnostic Imaging

Surgery and Anesthesiology

Avian diseases

Postgraduate Programs:

The Department of Clinical Sciences supports and contributes to several specialized master's programs aimed at advancing veterinary clinical expertise and scientific research that include:

Master of Veterinary Internal Medicine:

Focuses on advanced diagnostics, management, and treatment of complex internal diseases in animals.

Master of Veterinary Internal Medicine:

Focuses on advanced diagnostics, management, and treatment of complex internal diseases in animals.

Master of Theriogenology (Animal Reproduction and Obstetrics):

Specializes in reproductive health, covering assisted reproductive technologies such as artificial insemination and embryo transfer, as well as obstetrics and reproductive disease management.

Master of Avian Diseases:

Dedicated to the prevention, diagnosis, and control of diseases in poultry and other bird species, supporting the poultry industry and avian health management.

Master of Animal Health and Preventive Medicine (Animal Health):

Emphasizes public health principles in veterinary practice, including zoonotic diseases prevention, food safety, and large-scale disease control programs.

The Department of Clinical Studies has well-qualified academic faculty members with extensive educational, research, and clinical experience.

Abdulrahman Al Haider	Assistant Professor, Obstetrics & Gynecology
Abdulmohsen Alnaeem	Associate Professor, Epidemiology
Adel Al Alsheikh Mubarak	Professor, Anesthesia & Surgery
Ibrahim Ghoneim	Professor Obstetrics & Gynecology
Magdi Abdel-Rahman	Professor, Obstetrics & Gynecology
Isam Mohammed Eljalii	Associate Professor, Veterinary Internal Medicine
Wael Mohmmad Eldeeb	Associate Professor, Veterinary Internal Medicine
Khalid Al-Saktawi	Assistant Professor, Surgery & Anesthesia
Mahmoud Hassanein	Assistant Professor, Avian Diseases
Mohamed Alrasheed	Associate Professor, Avian Diseases
Mohamed Karam Zabady	Associate Professor, Surgery and X-ray
Turke Mohammed Shawaf	Professor, Veterinary Internal Medicine
Ayman Ahmed Elnhas	Assistant Professor, Surgery & Anesthesia
Hussein Ahmed Babiker	Assistant Professor, Veterinary Internal Medicine
Zakriya A. AL Mohamed	Assistant Professor, Surgery Radiology
Bader Hamoud Alsubaie	Teaching Assistant, Veterinary Internal Medicine
Askar Khalil Alshammari	Teaching Assistant, Infectious Disease
Abdulaziz Al muhanna	Assistant Professor, Veterinary Internal Medicine
Mohamed Sabry	Associate Professor, Avian Diseases
Elshymaa Ahmed Abdelnaby	Assistant Professor, Gynecology

Mohamed Marzouk	Professor, Surgery and X-ray
Mahmoud Mohamed Elalfy	Associate Professor, forensic medicine and toxicology
Naglaa Mohamed Gomaa	Associate Professor, Veterinary Internal Medicine
Sayed El-Hawari	Associate Professor, Surgery & Anesthesia
Ibrahim El-Sabagh	Assistant Professor, Virology and Immunology
Ahmed Meligy	Assistant Professor, Forensic medicine and toxicology
Yamen Hegazy	Associate Professor, Preventive Medicine
Mohammed Abdelghani	Assistant Professor, Gynecology
Usama Hagag	Associate Professor, Surgery & Anesthesia
Mohamed Rizk	Associate Professor, Veterinary Internal Medicine

Program of Veterinary Internal Medicine

The Veterinary Internal Medicine unit is a core subspecialty within the Department of Clinical Sciences. It focuses on the diagnosis, treatment, and management of complex diseases affecting companion animals, farm animals, and exotic species. This subspecialty encompasses a wide range of internal medical systems, providing advanced clinical services and fostering research that addresses pressing veterinary health challenges.

Key Areas of Focus:

Cardiology – Diagnosis and management of heart diseases in animals.

Respiratory Diseases – Evaluation and treatment of upper and lower respiratory tract conditions.

Gastroenterology – Disorders of the digestive system, including liver and pancreatic diseases.

Nephrology and Urology – Management of kidney and urinary tract diseases.

Endocrinology – Hormonal and metabolic disorders, including diabetes and thyroid diseases.

Hematology and Oncology – Diagnosis and treatment of blood disorders and cancers.

Infectious Diseases – Prevention, diagnosis, and control of bacterial, viral, and parasitic infections.

Clinical Services and Training:

The Internal Medicine unit offers comprehensive diagnostic and therapeutic services through the university's veterinary teaching hospital. Postgraduate students receive hands-on training in advanced diagnostic procedures, including ultrasonography, endoscopy, laboratory diagnostics, and critical care management.

Research Activities:

Research in Veterinary Internal Medicine focuses on emerging and endemic diseases affecting animal health in Saudi Arabia and the region. Studies often address infectious diseases, metabolic disorders, and novel diagnostic and therapeutic approaches aimed at improving animal welfare and productivity.

Program title

- **Master of Veterinary Internal Medicine**

- **Program mission**

To bridge clinical sciences with real-world veterinary challenges through excellence in diagnosis, treatment, research, and reporting, while enhancing field expertise and advancing education, research, and community service in veterinary internal medicine.

- **Program Goals**

The master program of veterinary internal medicine aims to:

- Qualify the veterinarians to gain scientific experience and obtain a specialized scientific degree in order to occupy posts in academic teaching in colleges, institutes, research centers and different companies with relevant aspects.
- Encouragement and development of clinical skills and in-depth study for veterinarians in the field of veterinary internal medicine based on international standards and special emphasis on practical or clinical sciences.
- Enhance the abilities of the personnel for planning and carrying out high quality scientific research and analyze the obtained results to be applied in the field of veterinary internal medicine.
- Participate in the educational development policy of the college to improve higher studies and scientific research.
- Encourage and motivate the graduate students scientifically to stick to the spiritual and cultural values of their society.
- Carry out applied scientific research in the field of veterinary medical sciences with collaboration with local, regional and international institutions.

- **Scientific Degree**

- Master's degree.

- **Admission Requirements**

In addition to the conditions stated by the graduate studies college rules and regulations, applicants for admission should have:

- A bachelor's degree in veterinary medicine, from King Faisal University or any other equivalent degree in veterinary medicine from a university recognized by King Faisal University, with a degree not less than "good" if the certificate is based on grades
- Saudi and Non-Saudi applicants will be charged a tuition fee upon acceptance.
- Applicants who received their bachelor's degree in undergraduate program with instruction language other than English should score at least 5.0 in IELTS or any other equivalent English test recognized by Ministry of Education.
- Preference is given to applicants who have gained field experience in veterinary medicine after graduation.
- Applicants should pass a personal interview.

- **Program Learning Outcomes**

Upon completion of the courses, the students will be able to:

1. Understand the advanced methods for clinical examination of animals.
2. Understand the advanced knowledge concerning etiology, pathogenesis, clinical signs, diagnosis and treatment of diseases among different animal species.

3. Obtain, analyze and interpret the results of different samples for laboratory diagnosis.
4. Perform different steps of diagnosis and differential diagnosis in response to different diseases.
5. Discuss the clinical and laboratory findings with the probable causes of diseases in such a way that allows him to approach a proper diagnosis and apply the treatment and preventive measures.

- **Professional/jobs**

The graduate of the program will be able to occupy one of the following positions:

In the community:

- A. Veterinarians in private practice like small animal practice, equine practice, exotic animal practice, food animal practice, or veterinary specialist where their duty is to diagnose and treat sick animals in addition to advising animal owners.
- B. Veterinary pharmacists where they dispense prescriptions and make sure that the animal patients are getting the appropriate medicines and instruct their use accordingly.
- C. Public health veterinarians (Ministry of environment, water and agriculture, ministry of health, ministry of interior, customs, Saudi FDA and food factories of animal origin (meat, dairy).
- D. Monitor the status of livestock in the Kingdom.
- E. Perform the required activities in local laboratories for diagnosis of the present and the emerging diseases.
- F. Provide the proper advice about animal care and diseases control to stakeholders.
- G. Risk assessment, policy advice and actively sharing in providing supportive data for policy mapping and decision taking

In Academia and Research:

- A. Veterinarians in academic and research institutions play role in teaching and research (Teaching or research assistants in medical sciences, biology or agriculture).
- B. Veterinarians are involved in discovery, characterization and formulation of medicines and vaccines.
- C. Perform the required activities in research laboratories for diagnosis of the present and the emerging diseases.

In Industry:

Veterinarians are involved in:

- A. Developing, testing and supervising production of drugs, chemicals and vaccines.
- B. Advising on regulatory issues.
- C. Marketing and quality control of medicines (Medical representation of drugs).

- **Number of credit hours**

The number of credit hours required to graduate from the program is 31 credit hours.

• Program Courses

The study plan of the program includes 11 courses that cover the main areas of specialization, which include:

Level	Course Code	Course Title	Required Or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 1	03211602	Biostatistics	R	NA	3	Program
	03211603	Concepts and Methodology of Research	R	NA	1	Program
	03271705	Large Animals Internal Medicine	R	NA	3	Program
Level 2	03271706	Small Animals Internal Medicine	R	NA	3	Program
	03271707	Advanced Clinical Diagnostic Techniques in Animal Medicine	R	NA	4	Program
		Elective Course	E	NA	2	Program
Level 3	03271710	Advanced Veterinary Epidemiology	R	NA	2	Program
	03271708	Advanced Clinical Laboratory Diagnosis	R	NA	2	Program
	03271709	Camel Medicine	R	NA	2	Program
		Elective Course	E	NA	2	Program
	03271703	Seminar	R	NA	1	Program
Level 4	03271704	Thesis	R	NA	6	Program

The courses of program study plan are distributed into university requirements, college requirements, and program requirements, as follows:

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required			
	Elective			
College Requirements	Required			
	Elective			
Program Requirements	Required	9	21	68%
	Elective	2	4	13%
Capstone Course/Project		Master Thesis	6	19%
Field Training/ Internship				
Residency year				
Others				
Total		11	31	100%

Laboratories and Equipment

The study plan includes many courses that include practical components, so the program has many laboratories that support these courses, and these laboratories include:

No.	Laboratory names	Rooms numbers
1	Internal medicine lab.	Building 999, Lab.1103
2	Central Biotechnology lab.	Building 999, Lab.1011
3	Central Chemical Analysis lab.	Building 999, Lab.1026 &1037
4	Electron Microscope Unit	The College of Veterinary Medicine
5	Diagnostic Laboratory	Building 998

List of equipment

Category	Equipment Name (English)
Molecular Biology & Genetics	Real-Time PCR Machine (Real-Time Polymerase Chain Reaction)
	PCR Machine (Polymerase Chain Reaction)
	Gel Documentation System
Incubation & Growth	Electroporator (Genetic Link Transfer Device)
	CO ₂ Incubator
Spectrophotometry & Analysis	ELISA Washer
	ELISA Reader
	UV-Vis Spectrophotometer (Sample Spectrum Reader)
	Atomic Absorption Spectrophotometer
Chromatography & Toxins Analysis	Mercury Analyzer
	High-Performance Liquid Chromatography (HPLC)
	Gas Chromatography–Mass Spectrometry (GC-MS)
Food & Nutrition Analysis	Mycotoxin Analyzer
	FoodScan Analyzer
	Fiber Analyzer
Nanotechnology & Chemical Analysis	MilkScan Analyzer
	Nano Concentration Analyzer
	Liquid Evaporator
Other Equipment	Digestion and Extraction Unit
	Vitek (Automated Microbial Identification System)

Services provided by the university

The university provides the student with many educational and non-educational services that the student needs during his educational journey. These services include the following:

1. **The Central Library** in Building No. 33, where the library provides many different sources of information in both printed and digital forms to cover all fields of knowledge and different disciplines. The library provides lending services and many electronic services. The services provided by the Central Library can be viewed through the following electronic link

<https://www.kfu.edu.sa/ar/Deans/Library/Pages/Home-new.aspx>

Regarding the learning resources, King Faisal University offers great resources where you can enrich your thesis with the recent information. Therefore, our graduates could collect easily the relevant scientific papers through:

- Visiting the KFU central library
- Accessing the deanship of library affairs
- Accessing the Saudi Digital Library (SDL) and getting your user and password
- Contacting the program library at the department of Clinical Sciences

2. Medical Clinics Complex Building No. 114 Where the Medical Clinics Complex provides primary health care in multiple forms, including

- Medical examination of the auditors, diagnosis of diseases and determining the best treatment methods.
- Providing the necessary treatment for simple and common diseases.
- Refer complex disease cases to the hospitals of the Ministry of Health in coordination with them.
- Treating emergency cases and first aiding serious cases until they reach the hospital.
- Carrying out all the medical tests that doctors need to help them diagnose various diseases.
- Initial medical examination for male and female students.
- Organizing health awareness and education cases.

Sick leaves It may prevent them from performing the tests, so they must present themselves to the medical committee formed for this purpose by the doctors of the complex, at least an hour before the tests is scheduled, so that a medical examination can be performed on them, and the committee may take what it deems appropriate for each case. The services provided by the medical clinic complex can be found through the following electronic link.

https://www.kfu.edu.sa/ar/Departments/Medical_Srvices/Pages/Home-new.aspx

3. The Deanship of Postgraduate Studies is one of the supportive deanships at the university and is considered the primary service center for university students. It provides a range of services related to student activities that contribute to creating an attractive and conducive educational environment.

The Deanship offers housing for students and ensures they have all the amenities needed to focus on their studies. Additionally, it provides access to a restaurant, a club, and a hall for sports activities, all accompanied by nutritious meals at nominal prices.

The Deanship places significant emphasis on student activities to foster a well-rounded student experience. It organizes seminars, lectures, cultural events, and competitions to help develop and refine students' hobbies and skills.

For more information on the services provided by the Deanship of Postgraduate Studies, please visit the following link:

<https://www.kfu.edu.sa/ar/Deans/HigherStudies/Pages/Home-new.aspx>

Services provided by the program/college

The in-hospital organized workshops provide students with hands-on training in essential diagnostic procedures, including imaging, endoscopy, and ultrasonography. These sessions aim to enhance students' clinical competence and practical skills in internal medicine.

To support research efforts, individualized thesis supervision will be offered, guiding students through all stages, from topic selection and literature review to study design, data analysis, and academic writing. Faculty advisors will work closely with students to ensure their research is methodologically sound and suitable for publication or presentation.

Students will have regular access to the university's veterinary teaching hospital, where they will participate in clinical rounds, manage internal medicine cases, and engage in case-based discussions. This exposure will help bridge theoretical knowledge with real-world clinical applications. Additionally, the program will collaborate with private veterinary clinics to provide access to complex referral cases, allowing students the opportunity to observe and contribute to advanced diagnostic and treatment strategies.

Diagnostic support will be available through fully equipped on-campus laboratories offering services in hematology, biochemistry, parasitology, and microbiology. This access enables students to perform and interpret a wide range of diagnostic tests as part of both clinical cases and research projects. Optional internship rotations in specialized areas such as cardiology, nephrology, and oncology will also be available, allowing students to explore specific interests and deepen their expertise.

To broaden their professional exposure, students will be encouraged to participate in regional and international veterinary conferences, such as those organized by WSAVA, ECVIM, and AVMA. These events provide opportunities to network with global experts, stay informed about the latest advancements in veterinary medicine, and present their own research when applicable.

In addition to academic and clinical development, students will benefit from workshops focused on communication with clients, ethical decision-making in veterinary care, and case documentation. These sessions aim to build confidence and professionalism in real-world practice.

Registration of the courses.

In the Master of Veterinary Internal Medicine program, students are required to complete the course registration process at the beginning of each academic term. This process is managed through the KFU postgraduate student portal, where students can select their courses based on the program's curriculum requirements and available electives. Students are encouraged to consult with their academic advisors before registration to ensure they choose the appropriate courses that align with their academic goals and progress within the program.

The program offers a combination of core and elective courses covering a wide range of topics in veterinary internal medicine. Core courses are mandatory and provide foundational knowledge and clinical skills, while elective courses allow students to specialize in specific areas of interest. Students must adhere to the prescribed course load each term to maintain academic standing and ensure timely completion of the program.

Additionally, students receive guidance on course prerequisites and sequencing, ensuring they progress through the program in a logical and structured manner. Any issues or concerns related to course registration—such as prerequisites, schedule conflicts, or course availability—can be addressed by the program coordinator or academic advisor.

The course registration process is typically conducted within a set timeframe each term, and students are expected to complete registration by the deadlines communicated by the university. Failure to register on time may affect a student's progression in the program.

Study regulations and tests

Regulation on Graduate Studies Issued by Council of Universities' Affairs Resolution No. (2/9/1444) dated 3/1/1444 H, corresponding to 1/8/2022 AD.

Chapter Six: Study Programs and Study System

Article 12

Study options of a master's degree shall be either coursework only, coursework and thesis, coursework and comprehensive exam, or coursework and graduation research, provided that the study period of the program and the number of study units are in accordance with what is specified in the Classification and Framework. The University Council, based on a proposal of the Standing Committee, may increase the study period for any program, not exceeding half the specified period.

Article 14

The period for obtaining the academic degree starts from the beginning of registration for the graduate courses of the program in which the student is enrolled until the date of completing the requirements of the program or the student's supervisor submitting a report to the Head of Department with a copy of the thesis if any.

Article 15

The Executive Management shall undertake the implementation of academic procedures, including student admission and registration, in accordance with the provisions of this Regulation and the regulations approved by the University Council.

Article 16

Without prejudice to Article (15) of this Regulation, a student may be accepted in a field other than his specialization, based on a recommendation from the competent Department Council and approval from the College Council.

Article 17

The competent department may require for admission of the student to the master's and doctoral level that he pass a number of supplementary courses from a previous stage or pass a related learning outcome assessment in order for the student to become eligible to join the program in accordance with regulations approved by the Standing Committee based on a proposal from the Department Council and endorsement from the College Council.

Article 18

A student may be accepted into two graduate studies programs at the same time provided that the two programs are from the same stage or from a previous stage, in accordance with regulations approved by the University Council based on the recommendation of the Standing Committee.

Chapter Nine: Assessment Mechanism

Article 34:

Exams in graduate courses shall be conducted, and grades shall be recorded in accordance with the Regulations on Studying and Examinations at the University Undergraduate Level, except for the following:

1. The student shall not be considered to have passed the course unless he obtains at least an (above average) grade.
2. The student must pass the supplementary course on the first attempt with a grade of no less than (above average), and his cumulative GPA in all supplementary courses must not be less than (very good).
3. Regarding alternative exams and courses that require more than one semester to be studied, the College Council decides what is considered appropriate based on the Department Council's recommendation.

Article 35

The University Council shall issue the rules regulating the oral and written comprehensive exam for the master's and doctoral stages, based on the proposal of the Standing Committee.

Academic advising and counselling services

In the Master of Veterinary Internal Medicine program, students receive comprehensive academic, professional, psychological, and social support through dedicated guidance and counseling services. Each postgraduate student is assigned a scientific guide at the start of the program to ensure personalized academic mentorship. Faculty members assist students throughout their studies, including helping them choose their thesis topics. Faculty guidance extends to preparing the research plan in compliance with the guidelines established by the University Council.

Thesis supervision is managed by professors and associate professors within the program. If an assistant professor supervises a thesis, they must have held their position for at least two years and have published or had accepted at least two peer-reviewed papers in their area of specialization. Furthermore, thesis supervision may involve external experts with distinguished experience in the relevant field, subject to approval by the University Council, following recommendations from the department and college councils, as well as the Council of the Deanship of Graduate Studies. A faculty member from another department may also assist in supervision, provided the main supervisor is from the Veterinary Internal Medicine program.

King Faisal University (KFU) offers a wide range of online student services, including those for food, accommodation, and psychological and social guidance. The Guidance and Counseling Unit at KFU plays a key role in providing these services, with a dedicated coordinator at the Faculty of Veterinary Medicine responsible for students' psychological and social welfare. This coordinator can refer students to the main Guidance and Counseling Unit at KFU for more specialized support.

Moreover, KFU provides transparent access to faculty members' office hours through the Blackboard website, allowing students to easily reach out with any academic inquiries or concerns. Faculty members are receptive to student feedback and complaints, ensuring an open channel for communication. Office hours are visibly posted on faculty doors, making it convenient for students to meet with their professors as needed.

With the qualifications and support of faculty members, students are guaranteed a well-rounded educational experience, ensuring they receive the mentorship and guidance necessary for academic success and professional development.

As part of the Master of Veterinary Internal Medicine program, interviews are conducted between faculty members and newly admitted postgraduate students at the start of the program. During these interviews, students undergo a preliminary assessment to evaluate their knowledge, skills, and attitudes, particularly in areas related to food hygiene and veterinary practices.

At the time of the interview, each student is provided with a program guide that outlines important information about the program, including the DPG website. Students are required to read and familiarize themselves with the PGS Program Procedures, which detail their rights, duties, and the principles of scientific integrity. These procedures emphasize the core values of ethical scientific research, ensuring that students understand and adhere to the highest standards of research ethics and professionalism

For further details, students can refer to the **PGS Program Procedures document** available at: [PGS Program Procedures](#).

Complaints and grievances.

For grievances and complaints, King Faisal University (KFU) has established designated channels on their website to handle complaints from faculty, staff, students, and other employees. These channels ensure transparency and prompt action for any concerns raised (KFU Grievances Website: <https://services.kfu.edu.sa/ToOfficial>). The Master of Veterinary Internal Medicine program follows the same regulations and procedures as outlined by KFU. Detailed instructions for submitting grievances and complaints are available in the university's grievance policy

document, which can be accessed through the following link: https://www.kfu.edu.sa/en/Documents/new_campus/pdf/AC092-193.pdf

To date, the program has not received any formal complaints or grievances that would need to be included as evidence. However, to ensure students are aware of the grievance process, the college conducts an orientation day for incoming postgraduate students. During this orientation, students are thoroughly informed about the procedures for filing complaints and addressing any disciplinary issues. This session ensures that students are well-acquainted with the policies and channels available to them should they need to raise concerns (Orientation Day Information for New Postgraduates:

<https://www.kfu.edu.sa/ar/Colleges/VeterinaryMedicine/Lists/kfuNews/DispForm.aspx?ID=42>

Appendix A “Program Study Plan”

First semester

Course No.	Course title	Code	Units
03211602	Biostatistics	Core course	3
03271705	Large Animals Internal Medicine	Core course	3
03211603	Concepts and Research Methodology	Core course	1
Total			7

Second semester

Course No.	Course title	Code	Units
03271706	Small Animals Internal Medicine	Core course	3
03271707	Advanced Clinical Diagnostic Techniques in Animal Medicine.	Core course	4
Minimum one course (Total 2 units) of the Elective courses			
Total			9

Third semester

Course No.	Course Title	Code	Units
03271710	Advanced Veterinary Epidemiology	Core course	2
03271708	Advanced Clinical Laboratory Diagnosis	Core course	2
03271709	Camel Medicine	Core course	2
03271703	Graduate Seminar	Core course	1
Minimum one course (Total 2 Units) of The Elective courses			
Total			9

Appendix B “Course Descriptions”

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Biostatistics	Course Name (Arabic)	الاحصاء الحيوي			
Course Number	48034	Course Code	0321-1602			
Credit Hrs.	3	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30	15	45	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)				
<u>Course Description</u>						
Studying the principles of statistical methods enables students to write and carry out an experimental design and make statistical and analytical studies from the collected data.						
<u>Topics</u>			<u>Learning Outcomes</u>			
Experimental design, completely randomized design, random block design, and Latin square design.			After completing this course, students will be able to analyze the data from their research studies using more recent statistical analysis methods.			
The analysis of variance, one-way and two-way classification, and hierarchical classification. Cross-classification and factorial analysis.						
Use of the least significant difference and multiple range test.						
Correlation and regression analysis, concept of intra-class correlation, frequency analysis and tests of significance						
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%30	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%20	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	<ul style="list-style-type: none"> Moutoun Johannm Ed, Marais and Eric, H. C. 2008. Basic concepts in Methodology of Social Sciences. HSRC Studies in Research Methodology. (EducationResources Information). 					
Supporting References	<ul style="list-style-type: none"> Nugent, Daniel 2006. Project Management Fundamentals: Key Concepts and Methodology. ProjectManagement Journal. 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Concepts and Research Methodology	Course Name (Arabic)	مفاهيم وطرق البحث			
Course Number	48035	Course Code	0321-1603			
Credit Hrs.	1	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		15	0	15	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)				
<u>Course Description</u>						
To teach students the methodology for experimental design, as well as the standard roles for writing the scientific thesis.						
<u>Topics</u>				<u>Learning Outcomes</u>		
The purpose and rationale of research work. The sources of information, identification of gaps in scientific knowledge, literature, libraries and library use. Experimental design. Methods of communicating results, writing and presentation of research data, discussion and interpretation of results.				After successful completion of this course, students will be able to depend on themselves on the design, write their thesis, and follow scientific work.		
Assessment Tools	<input type="checkbox"/> Periodic Exams	%0	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%30	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	20%
Main Reference	<ul style="list-style-type: none"> Moutoun Johannm Ed, Marais and Eric, H. C. 2008. Basic concepts in Methodology of Social Sciences. HSRC Studies in Research Methodology. (EducationResources Information). 					
Supporting References	<ul style="list-style-type: none"> Nugent, Daniel 2006. Project Management Fundamentals: Key Concepts and Methodology. ProjectManagement Journal. 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Large Animals Internal Medicine	Course Name (Arabic)	طب الحيوانات الكبيرة			
Course Number	50333	Course Code	0327-1705			
Credit Hrs.	3	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		45	30	75	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)				
<u>Course Description</u>						
To have good understanding concerning the manifestations, the diagnostic procedures and the treatment of the diseases in large animal species. To provide the veterinary students with the theoretical and clinical (practical) knowledge concerning the different disease conditions that affect the different body systems in large animals (cattle, sheep, goats and horses).						
<u>Topics</u>			<u>Learning Outcomes</u>			
<p>Practical and comprehensive information on large animal diseases.</p> <p>Biosecurity and the interaction between animals, environment, management and disease.</p> <p>Procedures such as blood transfusion, abdominal paracentesis, and ECG as well as the most common procedures in bovine care are included</p>			<ol style="list-style-type: none"> 1. Recognizing the presenting clinical findings of the diseases, understanding the general systemic states, and physical examination of the animals. 2. Understand the relation between normal function and disease of animals and distinguish the disease from the normal. 3. Describe the clinical findings of different diseases that may affect the different body systems in ruminant animals. 4. Diagnosing such diseases based on the theoretical and clinical diagnostic steps. 5. Perform the differential diagnosis of the suspected diseases based on their understanding of the pathophysiological mechanisms, clinical findings and physical examination of the affected animals. 6. Set up a treatment protocol as well as the preventive measures of these diseases. 			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%40	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	%60
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	<ul style="list-style-type: none"> ▪ Equine Internal Medicine by Stephen Reed, Warwick Bayly, Robert B. McEachern, Debra Sellon. Publisher Saunders; 2nd edition 2003. ▪ Large Animal Internal Medicine by Bradford P. Smith. Publisher Mosby; 4th edition, 2008. 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Small Animals Internal Medicine	Course Name (Arabic)	طب الحيوانات الصغيرة			
Course Number	64966	Course Code	0327-1706			
Credit Hrs.	3	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30	15	45	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)	Large Animals Internal Medicine			
<u>Course Description</u>						
To provide the veterinary students with the advances of theoretical and clinical (practical) knowledge concerning the different disease conditions that affect the different body systems of pet animals.						
<u>Topics</u>			<u>Learning Outcomes</u>			
<ul style="list-style-type: none"> • Problem-oriented course • Body systems approach individual diseases • Mechanisms underlying disease • Clinical manifestation of diseases • Diagnosis of diseases • Setting up and application of advanced treatment protocol • Prognosis 			<ul style="list-style-type: none"> • Understand the relation between normal function and disease of animals and distinguish the disease from the normal. • Describe the clinical findings of different diseases that may affect the different body systems in pet animals. • Diagnosing such diseases is based on the theoretical and clinical diagnostic steps. • Perform the differential diagnosis of the suspected diseases based on their understanding of the pathophysiological mechanisms, clinical findings and physical examination of the affected animals. • Set up a treatment protocol as well as the preventive measures of these diseases. 			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%50	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	<ul style="list-style-type: none"> ▪ Textbook of Veterinary Internal Medicine: By Stephen J. Ettinger, Edward C. Feldman. Publisher; Saunders; 6th edition, 2004. 					
Supporting References	<ul style="list-style-type: none"> ▪ Infectious Diseases of the Dog and Cat: By Craig E. Greene. Publisher; Saunders; 3rd edition, 2006. ▪ Small Animal Internal Medicine, by Richard W. Nelson, C. Guillermo Couto. Mosby; 3rd edition 2003) 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Advanced Clinical Diagnostic Techniques in Animal Medicine	Course Name (Arabic)	تقنيات التشخيص الاكلينيكي الحديثة			
Course Number	64967	Course Code	0327-1707			
Credit Hrs.	4	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		60	3-	90	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)	Small Animals Internal Medicine			
<u>Course Description</u>						
To have knowledge about the technical advances in the field of clinical diagnostic techniques used in animal internal medicine.						
To have an intensive clinical training in different areas of veterinary internal medicine.						
<u>Topics</u>			<u>Learning Outcomes</u>			
Technical advances in the field of endoscopy			The students will be able to use advanced clinical techniques in diagnosis.			
Technical advances in the field of ultrasonography			The students will be able to apply the different methods of clinical procedures and endorse their skills in the field of veterinary internal medicine. In addition, they will gain many field skills necessary for diagnosis and treatment of diseased cases.			
Technical advances in the field of diagnostic radiography						
Advanced clinical diagnostic techniques in the field of animal medicine.						
Clinical procedures and fields skills.						
Problem-oriented approach and group discussion						
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%50	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	<ul style="list-style-type: none"> ▪ Veterinary diagnostic imaging-Horse. Charles Farrow. Mosby Company 2005 ▪ Textbook of Veterinary Diagnostic Radiology. Donald Thrall. W.B. Saunders Company, Third Edition, 1998 ▪ Atlas of equine endoscopy. Hendrex, Elsevier 2006 ▪ 					
Supporting References	<ul style="list-style-type: none"> ▪ Clinical Examination of Farm Animals by Peter Jackson , Peter Cockcroft Publisher: Wiley-Blackwell; 1st edition. 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Advanced Veterinary Epidemiology	Course Name (Arabic)	الحديث في وبائيات الحيوان			
Course Number	51505	Course Code	0327-1710			
Credit Hrs.	2	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30	15	45	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)	Advanced Clinical Diagnostic Techniques in Animal Medicine			
<u>Course Description</u>						
Studying the factors affecting the health and illness of animal populations and serves as the foundation and logic of interventions made in the interest of public health and preventive medicine.						
<u>Topics</u>			<u>Learning Outcomes</u>			
<ul style="list-style-type: none"> Advanced Veterinary Epidemiology Descriptive Epidemiology Study Design Quantitative Aspects of Diagnostic Testing Disease Surveillance and Qualitative and Quantitative Risk Analysis Development Of Disease Control Programs Involving Multiple Herds; Farm-Level Animal Disease and Production Surveillance 			<p>The students will be able to:</p> <p>Understand the concepts of the interrelationships between Agent-Host-Environment, interaction of disease determinants, herd immunity, and web of causation. Use the terms utilized in infectious disease epidemiology such as infection, incubation period, reservoir, vector, pathogenicity, and virulence.</p>			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%50	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	1. Veterinary Epidemiology - Michael Thrusfield (2007) 2. Veterinary Clinical Epidemiology - Ronald D. Smith (2005)					
Supporting References	. Statistics for Veterinary and Animal Science- Aviva Petrie and Paul Watson (2006)					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Advanced Clinical Laboratory Diagnosis	Course Name (Arabic)	التشخيص المعمل الكليني المتقدم			
Course Number	51506	Course Code	0327-1708			
Credit Hrs.	2	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30	15	45	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	1	Pre-Requisite(s)	Advanced Veterinary Epidemiology			
<u>Course Description</u>						
To provide the veterinary students with novel theoretical and clinical (practical) knowledge concerning the collection and analysis of different types of samples and interpretation of the results that will be necessary for reaching proper diagnosis of animal diseases.						
<u>Topics</u>			<u>Learning Outcomes</u>			
<ul style="list-style-type: none"> Understanding the hematological and biochemical changes that occur in disease processes. The rationale for applying this understanding to the diagnosis of the disease process. Common clinical laboratory assays that are used to evaluate domestic animals' diseases (e.g. liver function, kidney function, cerebrospinal fluid analysis, synovial fluid analysis, urine analysis, ruminal fluid analysis, skin scrapings and milk analysis.....etc) Advanced laboratory tests and techniques 			<ol style="list-style-type: none"> Understand the relation between normal and abnormal values of different parameters in animal body. Ability to decide which sample to choose for lab diagnosis of the expected disease Perform the different methods of analysis of samples. Ability to interpret the obtained results. 			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%50	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	1- Clinical Biochemistry of Domestic Animals, Sixth Edition by Jiro Jerry Kaneko, John W. Harvey, Michael L. Bruss, Publisher: Academic Press; 6th edition, 2008. 2- Veterinary Hematology and Clinical Chemistry: Text and Clinical Case Presentations Set; by Mary Anna Thrall, Dale C. Baker, Terry W. Campbell, Dennis B. DeNicola, Martin J. Fettman, E. Duane Lassen, Alan Rebar, Glade Weiser. Publisher; Wiley-Blackwell; 1 st edition, 2004.					
Supporting References	. Clinical Examination of Farm Animals by Peter Jackson , Peter Cockcroft Publisher: Wiley-Blackwell; 1 st edition.					

College	Veterinary Medicine	Department	Clinical Sciences		
Course Name (English)	Camel Medicine	Course Name (Arabic)	طب الجمال		
Course Number	51507	Course Code	0327-1709		
Credit Hrs.	2	Contact Hrs.	Theoretical	Practical	T
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30	15	45
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended				
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective				
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement				
Level	M1	Pre-Requisite(s)	Advanced Clinical Laboratory Diagnosis		

Course Description

To have good understanding concerning the clinical manifestations, the advanced diagnostic procedures and the treatment of the diseases of camels. To provide the veterinary students with the novel theoretical and clinical (practical) knowledge concerning the different disease conditions that affect the different body systems in camels

<u>Topics</u>		<u>Learning Outcomes</u>				
Diseases of body systems		1. Describe the clinical findings of different diseases that may affect the different body systems in camels.				
Nutritional deficiency diseases		2. Diagnosing such diseases is based on the novel theoretical and clinical diagnostic steps.				
Mycoses and parasites,		3. Perform the differential diagnosis of the suspected diseases based on their understanding the pathophysiologic mechanisms, clinical findings and physical examination of the affected camels.				
Toxicology, congenital and hereditary conditions		4. Set up a treatment protocol as well as the preventive measures of these diseases.				
Neonatal development						
Care and handling						
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%50	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	50
	<input checked="" type="checkbox"/> Individual Assignments	%0	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	<ul style="list-style-type: none"> ▪ Medicine and Surgery of Camelids: by Murray E. Fowler, Wiley-Blackwell; 3rd edition (2010) ▪ A Field Manual of Camel Diseases: Traditional and Modern Healthcare for the Dromedary by Ilse Köhler-Rollefson, Paul Mundy, Evelyn Mathias Practical Action (2001) ▪ 					
Supporting References	<ul style="list-style-type: none"> ▪ Al-Ani, F.A. Camel: management and diseases. 1st edition Jordan (2004). 					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Graduate Seminar	Course Name (Arabic)	حفاة نقاش			
Course Number	51508	Course Code	0327-1703			
Credit Hrs.	1	Contact Hrs.	Theoretical	Practical	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		30		30	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)	Camel Medicine			
<u>Course Description</u>						
To prepare students to participate in the discussion for the scientific seminar.						
<u>Topics</u>			<u>Learning Outcomes</u>			
Graduate students will be required to present a seminar covering a current problem in animal medicine, and when possible present his research proposal			After extensive training during this course, students shall be able to discuss, understand, and spot the targets for the scientific work and Conferences.			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%0	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	20
	<input checked="" type="checkbox"/> Individual Assignments	%30	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%50
Main Reference	▪ Gray, N.D. (2007): Coalition of Essential Schools Northwest. Inter-professional Commission of Ohio					
Supporting References	▪					

College	Veterinary Medicine	Department	Clinical Sciences			
Course Name (English)	Thesis	Course Name (Arabic)	الرسالة			
Course Number	51508	Course Code	0327-1703			
Credit Hrs.	6	Contact Hrs.	Theoretical	Practic	T	
Teaching Language	English <input checked="" type="checkbox"/> Arabic <input type="checkbox"/>		180	0	180	
Teaching Method	<input checked="" type="checkbox"/> Face-to-Face <input type="checkbox"/> Online <input type="checkbox"/> Blended					
Course Nature	<input checked="" type="checkbox"/> Compulsory <input type="checkbox"/> Elective					
Course Type	<input type="checkbox"/> University Requirement <input type="checkbox"/> College Requirement <input checked="" type="checkbox"/> Program Requirement					
Level	M1	Pre-Requisite(s)	Competition of at least 50% of total credit hours			
<u>Course Description</u>						
Students' layout the final design of their research plan, record the obtained data and complete writing their thesis.						
<u>Topics</u>			<u>Learning Outcomes</u>			
The thesis is an integral part of the master's degree in veterinary internal medicine. The student is expected to plan, execute and submit a thesis which is expected to contain evidence of original work in animal medicine			Students shall be able to finish the practical work for the plan of the research point and record the data and results in a good presentation and high quality.			
Assessment Tools	<input checked="" type="checkbox"/> Periodic Exams	%0	<input type="checkbox"/> Short Exams	%	<input checked="" type="checkbox"/> Final Exam	40
	<input checked="" type="checkbox"/> Individual Assignments	%60	<input type="checkbox"/> Group Assignments	%	<input type="checkbox"/> Oral Participations	%
Main Reference	▪					
Supporting References	▪					