Ministry of Higher Education and Scientific Research Scientific Supervision and Scientific Evaluation Apparatus Directorate of Quality Assurance and Academic Accreditation Accreditation Department



Academic Program and Course Description Veterinary medicine college

Academic Program Description Form

University Name: Wasit

Faculty/Institute: veterinary medicine

Scientific Department:

Academic or Professional Program Name: Bachelor of Veterinary Medicine and Surgery (BVMS)

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery

Academic System: Semester

Description Preparation Date:

File Completion Date:

Signature:

Head of Department Name

Assit.prof. Zeid Alsadoon

Date: 15/7/2024

Signature: Av. S.

Scientific Associate Name:

Prof.Dr.Sattar Rashed Al-

Eqabi

Date: 2024/7/22

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The file is checked by

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature: 15/7/2024

Approval of the Dean

Academic Program Objectives:

The college aims to graduate veterinarians capable of working in veterinary hospitals, clinics, and private practices. Graduates should be able to:

- Conduct examinations and diagnoses
- Perform surgeries on animals
- Perform general chemical tests and fluid examinations
- Administer medications and treatments for all diseases of large and small animals
- Administer vaccinations
- Diagnose diseases
- Provide necessary guidance to animal owners to prevent diseases

Required Program Outcomes, Teaching and Learning Methods, and Assessment

A. Cognitive Objectives: Upon successful completion of this course, the student will be able to:

- 1. Perform laboratory procedures for the isolation, staining, and examination of bacteria present in clinical samples.
- 2. Prepare and sterilize all culture media and examine food for food contaminants.
- 3. Conduct all blood tests and examinations.
- 4. Perform urine, stool, and other body fluid tests (cerebrospinal fluid, sputum, semen).
- 5. Prepare and mount tissue slides from various organs of the body for examination.
- 6. Prepare all laboratory solutions.
- 7. Diagnose viral, bacterial, fungal, and parasitic diseases based on clinical signs.
- 8. Perform manual and ultrasound pregnancy tests and delivery procedures for all farm and domestic animals.
- 9. Perform animal surgeries as required by the medical condition.
- 10. X-ray animal bones and confirm bone fractures.
- 11. Examine and diagnose diseases in all birds and provide necessary disease control instructions.

Teaching and Learning Methods:

- Lectures
- Demonstrations
- Laboratory exercises
- Case studies
- Discussions
- Field trips

Assessment Methods:

- Quizzes
- Midterm exams
- Final exam
- Laboratory reports
- Case study presentations
- Field trip reports

Course Description: Bachelor of Veterinary Medicine and Surgery

B. Program-Specific Skillful Objectives

Upon completion of this course, students will be able to:

- 1. Think based on sound scientific principles.
- 2. Work effectively as part of a team.
- 3. Gather all necessary supplies to conduct analytical and diagnostic tests in laboratories and the field using modern laboratory analysis and diagnostic equipment.

Teaching and Learning Methods

- 1. Classroom instruction through theoretical and practical lectures.
- 2. Preparation of reports and scientific research.
- 3. Field visits to farms, ranches, and slaughterhouses.
- 4. Regular visits to veterinary teaching hospitals and clinics.

Assessment Methods

- 1. Exam or feedback.
- 2. Daily activity.
- 3. Writing research papers and reports.

C. Affective and Values Objectives

- 1. Work effectively as part of a team.
- 2. Adhere to university ethics.
- 3. Be receptive to information and open to new knowledge.
- 4. Develop a passion for the assigned work.

Teaching and Learning Methods

- 1. Assigning group tasks to students.
- 2. Conducting research using the library, internet, and laboratories.

Assessment Methods

- 1. Observation of assigned tasks.
- 2. Development of a survey questionnaire.

Teaching and Learning Methods

1. Theoretical and practical lectures (laboratories and field visits).

Assessment Methods

- 1. Daily exams.
- 2. Homework assignments.
- 3. Midterm and final exams.

Curriculum Summary for First Year Subject / First semester

No.	Subjects	Credi	Theoretica	Practica	Tota
		ts	1	1	1
1	Biology / part 1	Units	2	1	3
		Hours	2	2	4
2	General chemistry / part 1	Units	2	1	3
	• •	Hours	2	2	4
3	Anatomy / part 1	Units	2	2	4
		Hours	2	3	5
4	Animal management / part 1	Units	2	1	3
		Hours	2	2	4
5	Computer Science / part 1	Units	1	1	2
		Hours	1	2	3
6	Democracy	Units	2	-	2
		Hours	2	-	2
7	Biorisk management	Units	1	-	1
		Hours	1	-	1
8	Veterinary medical terminology	Units	1	-	1
		Hours	1	-	1
	24 Total Hours: 19	Total Units:	8	Total	Subjects:

24 Total Hours: 19 Total Units: 8 Total Subjects:

Curriculum Summary for First Year Subject / Second semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Biology / part 2	Units	2	1	3
		Hours	2	2	4
2	General chemistry / part 2	Units	2	1	3
		Hours	2	2	4
3	Anatomy / part 2	Units	2	2	4
	• 1	Hours	2	3	5

4	Animal management / part 2	Units	2	1	3
		Hours	2	2	4
5	Poultry Management	Units	1	1	2
		Hours	1	2	3
6	Computer science / part 2	Units	1	1	2
		Hours	1	2	3
7	Human Rights	Units	2	-	2
		Hours	2	-	2
8	Arabic Language	Units	1	-	1
		Hours	1	-	1
	26 Total Hours: 20	Total Units:	8	Total Su	ıbjects:

Curriculum Summary for Second Year Subject / First semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Anatomy / part 3	Units	2	2	4
	7 1	Hours	2	3	5
2	Histology / part 1	Units	2	2	4
		Hours	2	3	5
3	Physiology / part 1	Units	4	1	5
	• • •	Hours	4	2	6
4	Biochemistry / part 1	Units	3	1	4
		Hours	3	2	5
5	Animal nutrition / part 1	Units	2	1	3
		Hours	2	2	4
6	Genetics	Units	2	-	2
		Hours	2	-	2
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27 Total Hours: 22 Total Units: 6 Total Subjects:

Curriculum Summary for Second Year Subject / Second semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Anatomy / part 4	Units	2	1	3
	• 1	Hours	2	2	4
2	Embryology	Units	1	-	1
	, 0,	Hours	1	-	1
3	Histology / part 2	Units	2	1	3
		Hours	2	3	5
4	Physiology / part 2	Units	4	1	5

		Hours	4	2	6	
5	Biochemistry / part 2	Units	3	1	4	
	J · I · · ·	Hours	Hours	3	2	5
6	Animal nutrition / part 2	Units	2	1	3	
		Hours	2	2	4	
7	Statistics	Units	2	1	3	
		Hours	2	2	4	
	29 Total Hours: 22	2 Total U	nits:	7	Total Subject	

Curriculum Summary for Third Year Subject / First semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Helminthology	Units	3	1	4
		Hours	3	2	5
2	Pharmacology / part 1	Units	3	1	4
		Hours	3	2	5
3	General microbiology	Units	3	1	4
	27	Hours	3	2	5
4	Immunology	Units	2	1	3
		Hours	2	2	4
5	General pathology	Units	3	2	5
	1 0,	Hours	3	3	6
6	Toxicology	Units	2	-	2
		Hours	2	-	2

27 Total Hours: 22 Total Units: 6 Total Subjects:

Curriculum Summary for Third Year Subject / Second semester

No.	Subjects	Credit	Theoretica	Practica	Tota
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		S	1	1	1
1	Protozoa and Arthropoda	Units	3	1	4
	•	Hours	3	2	5
2	Pharmacology / part 2	Units	3	1	4
		Hours	3	2	5
3	Veterinary Clinic / part 1	Units	-	1	1
	v etermary emme / part 1	Hours	-	2	2
4	Special microbiology	Units	3	1	4
		Hours	3	2	5
5	Virology	Units	2	1	3
		Hours	2	2	4
6	Systemic pathology	Units	3	2	5
		Hours	3	3	6

27 Total Hours: 21 Total Units: 6 Total Subjects:

Curriculum Summary for Fourth Year Subject / First semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Morbid anatomy / part 1	Units	1	1	2
		Hours	1	2	3
2	Female fertility and genital	Units	2	1	3
	diseases	Hours	2	2	4
3	Veterinary clinic / part 2	Units	-	2	2
		Hours	-	4	4
4	Poultry diseases /part 1	Units	2	1	3
		Hours	2	2	4
5	Surgery / part 1	Units	3	1	4
		Hours	3	2	5
6	Infectious and epidemiological	Units	3	-	3
	diseases / part 1	Hours	3	-	3
7	Clinical pathology / part 1	Units	1	1	2
	1 00 1	Hours	1	2	3
8	Internal medicine / part 1	Units	3	-	3
		Hours	3	-	3
	29 Total Hours: 22	Total Units:	8	Total St	ıbjects:

Curriculum Summary for Fourth Year Subject / Second semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Morbid anatomy / part 2	Units	1	1	2
	• 1	Hours	1	2	3
2	Veterinary obstetrics	Units	2	1	3
		Hours	2	2	4
3	Veterinary clinic / part 3	Units	-	2	2

		Hours	-	4	4
4	Poultry diseases /part 2	Units	2	1	3
		Hours	2	2	4
5	Surgery / part 2	Units	3	1	4
		Hours	3	2	5
6	Infectious and epidemiological	Units	3	-	3
	diseases / part 2	Hours	3	-	3
7	Clinical pathology / part 2	Units	1	1	2
	1 0, 1	Hours	1	2	3
8	Internal medicine / part 2	Units	3	-	3
	•	Hours	3	-	3
9	Zoonotic diseases	Units	2	-	2
		Hours	2	-	2

31 Total Hours: 24 Total Units: 9 Total Subjects:

Curriculum Summary for Fifth Year Subject / First semester

No.	Subjects	Credit	Theoretica	Practica	Tota
		S	1	1	1
1	Fish diseases	Units	2	1	3
		Hours	2	2	4
2	Male fertility and artificial	Units	1	1	2
	insemination	Hours	1	2	3
3	Veterinary clinic / part 4	Units	-	7	7
	•	Hours	-	14	14
4	Internal medicine / part 3	Units	3	-	3
	•	Hours	3	-	3
5	Meat hygiene	Units	2	1	3
		Hours	2	2	4
6	Surgery / part 3	Units	2	1	3

			Hours	2	2	4
32 Tota	l Hours:	21	Total Units:	6	Total Subje	ects:

Curriculum Summary for Fifth Year Subject / Second semester

Reproductive biotechnology	No.	Subjects	Credit	Theoretica	Practica	Total
Reproductive biotechnology			S	1	1	
Hours 1 2 3	1	Reproductive biotechnology	Units	1	1	2
Hours - 12 12 12		1	Hours	1	2	3
Hours - 12 12 12 3 Veterinary Ethics Units 1 - 1	2	Veterinary clinic / part 5	Units	-	6	6
Hours 1 - 1			Hours	-	12	12
Hours 1 - 1	3	Veterinary Ethics	Units	1	-	1
Hours 3 - 3		,	Hours	1	-	1
5 Food hygiene Units 2 1 3 Hours 2 2 4 Weterinary forensic pathology Units 1 1 Hours 1 1 1 Veterinary forensic pathology Units 1 1 Hours 2 1 3 Hours 2 2 4 Research projects Units 1 1 2 Hours 1 2 3 Power Units - 3 3	4	Internal medicine / part 4	Units	3	-	3
Hours 2 2 4			Hours	3	-	3
Compared to the projects Units 1 1 Fraction of the project of th	5	Food hygiene	Units	2	1	3
Hours 1 1 1 1			Hours	2	2	4
7 Surgery / part 4 Units 2 1 3 8 Research projects Units 1 1 2 Hours 1 2 3 9 Summer clinic Units - 3 3	6	Veterinary forensic pathology	Units	1		1
Fours Hours 2 2 4 Research projects Units 1 1 2 Hours 1 2 3 Power Units - 3 3			Hours	1		1
8 Research projects Units 1 1 2 Hours 1 2 3 9 Summer clinic Units - 3 3	7	Surgery / part 4	Units	2	1	3
Wester and the search projects Hours 1 2 3 Power of the search projects Hours 1 2 3 Power of the search projects Units - 3 3			Hours	2	2	4
9 Summer clinic Units - 3 3	8	Research projects	Units	1	1	2
9 Summer clinic			Hours	1	2	3
Hours	9	Summer clinic	Units	-	3	3
			Hours			

The total curriculum

No.	Years		First semeste	Second semester	Tota 1
			r		1
1	First year	Subjects	8	8	16
	•	Units	19	20	39
2	Second year	Subjects	6	7	13
	5000114	Units	22	22	44
3	Third year	Subjects	6	6	12
	·	Units	22	21	43
4	Fourth year	Subjects	8	9	17
	·	Units	22	24	44
5	Fifth year	Subjects	6	9	15
	•	Units	21	24	45
	Total	Subjects	34	39	73
		Units	106	111	217

Course Syllabus Skills Matrix

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Course Syllabus Skills Matrix

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Veterinary clinic /

part 2
Poultry diseases

/part 2

Surgery / part 2

Basic

Basic

Basic

Fourth

								Basic	Infectious and	
									epidemiologica	
									2	
									Clinical	
									pathology / part	
									2	
									Internal	
									medicine / part	
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									Zoonotic	
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	Course Syllabus Skills Matrix																	
ı	Please check the boxes corresponding to the individual learning outcomes of the program that are subject to																	
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Course Syllabus Skills Matrix													
Please check t	he boxes correspond	ling to the individual I	earning outco	mes of the pro	gram that are su	bject to							
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Requi	red Program Learnin	g Outcomes											
Transferable	Affective and	Program-Specific	Cognitive	Core or	Course Name	Year/Level							
General and	Value Objectives	Skill Objectives	Objectives	Elective									
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Bachelor of Veterinary Medicine and Surgery Program

Program Objectives

- Prepare students to diagnose and treat diseases in all types of animals.
- Equip students to work in veterinary hospitals, clinics, and private practices.

Admission Criteria

- Secondary school graduation with a minimum GPA of 80%.
- Personal and physical fitness interview.

Information Sources

- Textbooks prescribed by the Ministry of Higher Education and Scientific Research.
- External scientific sources.
- Libraries and the internet.

Coursework

The Bachelor of Veterinary Medicine and Surgery program covers a wide range of topics, including:

- Anatomy and physiology
- Animal behavior
- Pharmacology
- Pathology
- Surgery
- Theriogenology
- Preventive medicine
- Public health
- Clinical practice

Skills and Knowledge

Upon successful completion of the program, graduates will be able to:

- Diagnose and treat diseases in all types of animals.
- Perform surgery and other veterinary procedures.
- Provide preventive care to animals.
- Educate clients on animal health and care.
- Comply with all relevant laws and regulations.

Career Opportunities

Graduates of the Bachelor of Veterinary Medicine and Surgery program can pursue careers in a variety of settings, including:

- Veterinary hospitals and clinics
- Private veterinary practices
- Government agencies
- Research institutions
- Animal welfare organizations

