

Ministry of Higher Education and Scientific

Research Scientific Supervision and

Evaluation Authority Department of Quality

Assurance,



**Academic Program  
Description and Course  
Syllabus  
2025**

2025

## **Introduction**

The program is considered part of a fundamental unit, a precise and integrated unit of study courses which contributes to preparing highly qualified graduates who possess capabilities based on solid scientific foundations.

## **Context and Review**

The document discusses reviewing and editing it annually to follow internal or external benchmark programs. The academic program description aims to define the main components of the program and its courses, including the required capabilities that the graduate must possess to achieve the specific goals and objectives of the academic program. This description serves as the main reference for the implementation of the program and its core curricula, and is involved in its completion by the administrative staff under the supervision of the scientific committees. This document includes the main structure and description of the academic program, along with defining the required capabilities and the timeframe of the curriculum structure, and includes details related to the scientific research field. This academic program description aims for compatibility (or completion) with the accreditation requirements (specifically referencing 2906Y). Additionally, the academic program description is part of the final procedures for programs that require basic review periodically for accreditation purposes





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مصداقة السيد العميد

## Glossary and Terms

- **Academic Program Description:** This refers to the primary framework that clarifies the vision, mission, and goals of the program, along with a precise description of the expected learning outcomes and implementation strategy.
- **Course Description:** This refers to the framework that clarifies the content of the course and the learning outcomes expected at the maximum level of direct learning opportunities.
- **Program Mission:** A brief statement clarifying the purpose of the academic program, maintaining its consistency and content.
- **Program Goals:** Describes what the academic program intends to achieve during a specific time period, while maintaining feasibility and relevance.

Wasit University / College of Veterinary Medicine Quality Assurance and University Performance Division Vision, Mission, and Goals

1. **College Vision:** To be a leading center in veterinary education, scientific research, and community service at the national and regional levels.
2. **College Mission:** Preparing scientifically and professionally qualified veterinary cadres, and contributing to the development of scientific research and community service in the fields of animal health and public health.
3. **College Goals:**

- Developing academic programs in line with international standards.
- Supporting applied scientific research in the field of Veterinary Medicine.
- Enhancing interaction with local and international community institutions.

Link for publication on the college website:

[https://covm.uowasit.edu.iq/?page\\_id=93105](https://covm.uowasit.edu.iq/?page_id=93105)

#### 4. Programmatic Accreditation

#### 5. External Influences

#### 6. Program Structure:

Program Structure	Number of Courses	Study Unit	Percentage	Notes
Institution Requirements	5	10	7%	Core Course
College Requirements	66	270	91%	Core Course
Department Requirements				
Summer Training	1	15	1.5%	Core Course
Other				

#### Program Description:

7_ وصف البرنامج:				
المرحلة الدراسية	رمز المقرر او المساق	اسم المقرر او المساق	الساعات المعتمدة	
			العملي	النظري
الاولى		البايولوجي	(2) ساعة	(2) ساعة
		التشريح	(2) ساعة	(2) ساعة
	1401CHM	الكيمياء	(1) ساعة	(3) ساعة
الثانية		تغذية حيوان	(2) ساعة	(2) ساعة
		أحياء مجهرية عام	(2) ساعة	(3) ساعة
		التشريح	(2) ساعة	(2) ساعة
		الانسجة	(2) ساعة	(2) ساعة
		الاجنة	(2) ساعة	(2) ساعة
	2502PHY	الفسلجة	(2) ساعة	(2) ساعة
	2402BCH	الكيمياء الحياتية	(2) ساعة	(2) ساعة

الثالثة		التطبيق البيطري	(4) ساعة	
		الطفيليات (فصل اول) اسطوانات وشرطيات ومثقيات	(2) ساعة	(3) ساعة
		الطفيليات (فصل ثانى) الاولى والحشرات	(2) ساعة	(3) ساعة
	فصلي	علم الامراض	(3) ساعة	(3) ساعة
		صحة غذاء	(2) ساعة	(2) ساعة
		مناعة	(2) ساعة	(2) ساعة
		فيروسات	(2) ساعة	(2) ساعة
	3402PHR 3201TOX	الادوية	(3) ساعة	(3) ساعة
		السموم	(2) ساعة	(2) ساعة
الرابعة		الامراض المشتركة	(2) ساعة	(2) ساعة
		الطب الباطنى	(2) ساعة	(3) ساعة
	FDS	خصوبة الاناث وامراضها التناسلية	(2) ساعة	(2) ساعة
	OBS	التوليد	(2) ساعة	(2) ساعة
	SUR	جراحة الحيوانات الكبيرة	(3) ساعة	(2) ساعة
	CLN	سريريات/ عيادة	اربع ساعات	اسبوعيا لكل مادة
	INF	المعدية	(2) ساعة	(2) ساعة
	CLP	تشخيصات مرضية	(2) ساعة	(2) ساعة
		امراض الدواجن	(2) ساعة	(2) ساعة
		التشريح المرضي	(1) ساعة	(2) ساعة
		سريريات امراض	(4) ساعة	-
		الجراحة	(2) ساعة	(2) ساعة
		السريريات	(4) ساعة	-
	MED	الطب الباطنى		(3) ساعة
الخامسة		السريريات	(12) ساعة	
		اخلاقيات المهنة		ساعة واحدة
	IMED	الطب العدلى	(1) ساعة	-
	MDS	خصوبة الذكور وامراضها التناسلية	(2) ساعة	(1) ساعة
	RD	تقنيات التكاثر	(2) ساعة	(1) ساعة
	CLN	سريريات/ عيادة	16 ساعة	اسبوعيا
	SUR	جراحة الحيوانات الصغيرة	(3) ساعة	(2) ساعة
	CLN	سريريات/ عيادة	16 ساعة	اسبوعيا
		امراض الاسماك	(2) ساعة	(2) ساعة

## **7. Academic Program Description**

The Academic Program Description refers to the framework that clarifies the program's context and the expected learning outcomes based on the extent to which they are highly achieved. (It continues with) describing its courses/syllabus. If the maximum benefit from the direct application opportunities was achieved.

- **Educational Institution: Wasit University**
- **Scientific Department: College of Veterinary Medicine**
- **Academic Program Name: Bachelor's Degree s**
- **Final Certificate Name: Bachelor's of Veterinary Medicine and Surgery**
- **Study System: Semester-based**
- **Program Accreditation: Theoretical / Practical Approved**
  - **Laboratories / Hospital / Field Visits**
  - **(Educational Veterinary / Fields and Animal Housing)**
- **7. External Influences: Library / Internet / Veterinary Hospital / Field Visits**
  - **Educational / Fields and Animal Housing**

**Description Preparation Date: 2025**

**Academic Program Goals:** The college aims to graduate veterinary cadres capable of working in veterinary hospitals, clinics, and dispensaries. They should be able to perform operations for animals, diagnosis, examinations, general chemical examinations, and fluid examination. They should administer vaccinations, diagnose diseases, and



prescribe/administer medications and treatment for all diseases in large and small animals, and provide the necessary guidance to animal breeders to prevent the occurrence of diseases.

8. Required Program Outcomes and Methods of Teaching, Learning, and Evaluation A- Cognitive Objectives: That the graduating student, upon completion of the course, be able to:

9. Perform laboratory work related to isolation, staining, and examination of germs present in clinical samples.

10. Prepare and sterilize all culture media and examine food regarding food contaminants.

11. Perform all analyses and examinations related to the blood.

12. Perform examinations of urine, feces, and various body fluids (fluids, bone marrow, cerebrospinal fluid, sputum, seminal fluid).

13. Prepare histological slides for various body organs and prepare them for examination.

14. Prepare all laboratory solutions.

15. Diagnose viral, bacterial, fungal, and parasitic diseases based on clinical signs.

16. Perform pregnancy examinations manually and via ultrasound device, and delivery operations for all field and domestic animals.

17. Perform special surgeries for animals according to the pathological condition.

18. Examine animal bones and confirming bone fracture cases via X-ray.

19. Examine and diagnose diseases for all birds and providing necessary guidance for disease control.

B- Program-Specific Skill Objectives: That the student, upon completion of the course, be able to:

1. Thinking according to a sound scientific basis.
2. Working in the spirit of one team.
3. Providing all necessary supplies for performing analytical and diagnostic tests in laboratories and the field using modern equipment in laboratory analysis and diagnosis.
4. Teaching and Learning Strategies
5. Classroom instruction through theoretical and practical lectures.
6. Preparing reports and scientific research.
7. Field visits to fields, farms, and slaughterhouses.
8. Periodic visits to educational veterinary hospitals and dispensaries.
9. Assigning students tasks in the form of groups.
10. Preparing research by utilizing the library, internet, and laboratories.
11. Theoretical and practical lectures (laboratories and field visits).
12. Evaluation Methods
13. Examination or feedback.
14. Daily activity.
15. Writing research and reports.
16. Observing the assigned duties.
17. Organizing a questionnaire form.
18. Daily exams / Homework / Midterm and Final exams.

C- Affective and Value Objectives:

1. Working in the spirit of one team.
2. Adherence to the ethics of the university institution.
3. Receiving information and cognitive acceptance.
4. Love for the work assigned.

11 **Teaching Staff Members of the Teaching Staff** | Teaching Staff Members |  
Specialization | Requirements/Special Skills (if any) | | :--- | :--- | :--- | | **Number of**  
**Teaching Staff** | **General** | **Specific** | | Permanent Staff: 36 | Veterinary Medicine and  
Surgery | Not Available | | Lecturer: (Not specified) | Medicine | | | and Surgery | | |  
Veterinary |

### Curriculum Summary for First Year Subject / First semester

No.	Subjects	Credits	Theoretical	Practical	Total
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

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

### Curriculum Summary for First Year Subject / Second semester

No.	Subjects	Credits	Theoretical	Practical	Total
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
		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	
Total Subjects:		8	Total Units:	20	Total Hours:	26

### Curriculum Summary for Second Year Subject / First semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Anatomy / part 3	Units	2	2	4
		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
Total Subjects: 6		Total Units:	22	Total Hours:	27

### Curriculum Summary for Second Year Subject / Second semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Anatomy / part 4	Units	2	1	3
		Hours	2	2	4
2	Embryology	Units	1	-	1
		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
		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
Total Subjects: 7		Total Units: 22	Total Hours: 29		

### Curriculum Summary for Third Year Subject / First semester

No.	Subjects	Credits	Theoretical	Practical	Total
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
		Hours	3	2	5
4	Immunology	Units	2	1	3
		Hours	2	2	4
5	General pathology	Units	3	2	5
		Hours	3	3	6
6	Toxicology	Units	2	-	2
		Hours	2	-	2

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

### Curriculum Summary for Third Year Subject / Second semester

No.	Subjects	Credits	Theoretical	Practical	Total
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
		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

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

### Curriculum Summary for Fourth Year Subject / First semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Morbid anatomy / part 1	Units	1	1	2
		Hours	1	2	3
2	Female fertility and genital Diseases	Units	2	1	3
		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 diseases / part 1	Units	3	-	3
		Hours	3	-	3
7	Clinical pathology / part 1	Units	1	1	2
		Hours	1	2	3
8	Internal medicine / part 1	Units	3	-	3
		Hours	3	-	3

Total Subjects: 8      Total Units: 22      Total Hours: 29

### Curriculum Summary for Fourth Year Subject / Second semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Morbid anatomy / part 2	Units	1	1	2
		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 diseases / part 2	Units	3	-	3
		Hours	3	-	3
7	Clinical pathology / part 2	Units	1	1	2
		Hours	1	2	3
8	Internal medicine / part 2	Units	3	-	3
		Hours	3	-	3
9	Zoonotic diseases	Units	2	-	2
		Hours	2	-	2

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

## Curriculum Summary for Fifth Year Subject / First semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Fish diseases	Units	2	1	3
		Hours	2	2	4
2	Male fertility and artificial Insemination	Units	1	1	2
		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

Total Subjects: 6      Total Units: 21      Total Hours: 32

## Curriculum Summary for Fifth Year Subject / Second semester

No.	Subjects	Credits	Theoretical	Practical	Total
1	Reproductive biotechnology	Units	1	1	2
		Hours	1	2	3
2	Veterinary clinic / part 5	Units	-	6	6
		Hours	-	12	12
3	Veterinary Ethics	Units	1	-	1
		Hours	1	-	1
4	Internal medicine / part 4	Units	3	-	3
		Hours	3	-	3
5	Food hygiene	Units	2	1	3
		Hours	2	2	4
6	Veterinary forensic pathology	Units	1		1
		Hours	1		1
7	Surgery / part 4	Units	2	1	3
		Hours	2	2	4
8	Research projects	Units	1	1	2
		Hours	1	2	3
9	Summer clinic	Units	-	3	3
		Hours			

Total Subjects: 9      Total Units: 24      Total Hours: 30



## The total curriculum

No.	Years		First semester	Second semester	Total
1	First year	Subjects	8	8	16
		Units	19	20	39
2	Second year	Subjects	6	7	13
		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

### Goals

1. Preparing the student to diagnose all types of diseases in all animals.
2. Planning for personal development.
3. Preparing the student to work in veterinary hospitals, dispensaries, and clinics.

Admission Criterion (Setting systems related to enrollment in the college or institute)

1. Secondary school average.
2. Interviewing the student and assessing his/her personal and physical qualifications.

The most important sources of information about the program

1. Prescribed books from the Ministry of Higher Education and Scientific Research.
2. External scientific sources.
3. Utilizing libraries and the internet.

Curriculum Skills Map Please tick the boxes corresponding to the individual learning outcomes of the program subject to evaluation.

Required learning outcomes of the program
Course Name
<b>First Stage</b>
1 Biology P1
2 Biology P2
Anatomy
Chemistry
<b>Second Stage</b>
Animal Nutrition
General Microbiology
Anatomy
Histology
Embryology
Physiology
Biochemistry
<b>Third Stage</b>
Veterinary Practice
Parasitology (First Semester)
Nematodes, Cestodes, and Trematodes
Parasitology (Second Semester)
General Microbiology
Protozoa and Arthropods
Pathology
Food Hygiene
Immunology
Virology
<b>Fourth Stage</b>
Zoonotic Diseases
Internal Medicine
Clinics
Infectious
Pathological Diagnostics
Poultry Diseases
Female Fertility
Morbid Anatomy
Veterinary Obstetrics
Disease Clinics
Large Animal Surgery
<b>Fifth Stage</b>
Internal Medicine
Clinics
Professional Ethics
Forensic Medicine/Pathology
Fish Diseases
Small Animal Surgery
Male Fertility and Reproductive Diseases
Poultry Disease Clinics
مخطط مهارات المنهج

يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم

مخرجات التعلم المطلوبة من البرنامج

السنة / المستوى	اسم المقرر	اساسي ام اختياري	الاهداف المعرفية				الاهداف المهاراتية الخاصة بالبرنامج				الاهداف الوجدانية والقيمية				المهارات العامة والتأهيلية المنقولة (المهارات الأخرى المتعلقة بقابلية التوظيف والتطور الشخصي)			
			1أ	2أ	3أ	4أ	1ب	2ب	3ب	4ب	1ج	2ج	3ج	4ج	1د	2د	3د	4د
المرحلة الأولى	البايولوجي ف 1 بايولوجي ف 2	اساسي	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	التشريح	اساسي	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
	الكيمياء	اساسي	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	

مخطط مهارات المنهج																		
يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم																		
مخرجات التعلم المطلوبة من البرنامج																		
المهارات العامة والتأهيلية المنقولة (المهارات الاخرى المتعلقة بقبالية التوظيف والتطور الشخصي)				الاهداف الوجدانية والقيمية				الاهداف المهاراتية الخاصة بالبرنامج				الاهداف المعرفية				اساسي ام اختياري	اسم المقرر	السنة / المستوى
د4	د3	د2	د1	ج4	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	تغذية حيوان	المرحلة الثانية
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	احياء مجهرية عام	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	التشريح	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الانسجة	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الاجنة	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الفسلجة	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اختياري	الكيمياء الحياتية	

مخطط مهارات المنهج																			
يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم																			
مخرجات التعلم المطلوبة من البرنامج																			
المهارات العامة والتأهيلية المنقولة (المهارات الاخرى المتعلقة بقابلية التوظيف والتطور الشخصي )				الاهداف الوجدانية والقيمية				الاهداف المهاراتية الخاصة بالبرنامج				الاهداف المعرفية				اساسي ام اختياري	اسم المقرر	السنة / المستوى	
د4	د3	د2	د1	ج4	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1				
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	التطبيق البيطري	المرحلة الثالثة
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الطفيليات (فصل اول)	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	اسطوانات وشرطيات ومتقنيات	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الطفيليات(فصل ثاني)	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	احياء مجهرية عام	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	الاولي والحشرات	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	علم الامراض	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	الاساسي	صحة غذاء	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	مناعة	
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	اساسي	فايروسات	

مخطط مهارات المنهج
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يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم

مخرجات التعلم المطلوبة من البرنامج

[illegible]

مخطط مهارات المنهج

يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم

مخرجات التعلم المطلوبة من البرنامج

المهارات العامة والتأهيلية المنقولة (المهارات الاخرى المتعلقة بقابلية التوظيف والتطور الشخصي)				الاهداف الوجدانية والقيمية				الاهداف المهاراتية الخاصة بالبرنامج				الاهداف المعرفية				اساسي ام اختياري	اسم المقرر	السنة / المستوى
د4	د3	د2	د1	ج4	ج3	ج2	ج1	ب4	ب3	ب2	ب1	أ4	أ3	أ2	أ1			
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	الطب الباطني	المرحلة الخامسة v
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	السريريات	
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	اخلاقيات المهنة	
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	الطب العدلي	
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	امراض اسماك	
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	جراحة الحيوانات الصغيرة	
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	اساسي	خصوبة الذكور وامراضها التناسلية	
v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	اساسي	سريريات امراض الدواجن	