



T-103
2022

Program Specification

Program Name:	Veterinary Medicine Program
Program Code (as per Saudi university ranking):	084101
Qualification Level:	Bachelor
Department:	Veterinary Medicine
College:	Agriculture and Veterinary Medicine
Institution:	Qassim University
Program Specification:	New <input type="checkbox"/> updated* <input checked="" type="checkbox"/>
Last Review Date:	15/4/1444H

*Attach the previous version of the Program Specification.

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A. Program Identification and General Information

1. Program's Main Location :

Location 1. Main Campus of Qassim University (Basic and Para-clinic courses).
Location 2. Veterinary Teaching Hospital, about 5 km away from the main campus (Clinic courses)

2. Branches Offering the Program (if any):

Not Applicable

3. Partnerships with other parties (if any) and the nature of each:

Not Applicable

4. Professions/jobs for which students are qualified

Veterinarians

5. Relevant occupational/ Professional sectors:

1. Ministry of Agriculture and the Ministry of Municipal and Rural Affairs.
2. Veterinary Quarantine and the slaughterhouse.
3. Animals section in the police and army.
4. Saudi Organization for Standardization and Metrology.
5. Private veterinary clinics and veterinary pharmacies.
6. Livestock and poultry projects.
7. Horses and race camels' centers.
9. Saudi Organization for Food and Drug Administration & Pharmaceutical companies.

6. Major Tracks/Pathways (if any): Veterinary Medicine (one track).

Major track/pathway	Credit hours (For each track)	Professions/jobs (For each track)
1.		
2.		
3.		
4.		

7. Exit Points/Awarded Degree (if any): None

exit points/awarded degree	Credit hours
1.	
2.	
3.	

8. Total credit hours: (195)



B. Mission, Objectives, and Program Learning Outcomes

1. Program Mission:

Provision of accredited veterinary educational and professional program, applied research and consultative services for enhancing sustainable livestock development in an environment characterized by governance, innovation and partnership

2. Program Objectives:

1. Assurance of the quality of education, the eligibility, competitiveness and professionalism of students.
2. Improvement of applied research and innovation to fulfill the needs of sustainable development.
3. Enhancement of consultative services and diversification of self-financial sources.
4. Enhancement of cooperation and information exchange with national and international Institutions.

3. Program Learning Outcomes*

Knowledge and Understanding

- | | |
|----|---|
| K1 | Students will be able to list and recognize knowledge related to Veterinary Medicine. |
| K2 | Students will be able to keep pace with advances in Veterinary Medicine. |

Skills

- | | |
|----|--|
| S1 | Students will be able to determine comprehensive methods for diagnosis and treatment of animal and poultry diseases. |
| S2 | Students will be able to apply critical thinking and analytical skills for intervention in surgery and theriogenology. |
| S3 | Students will be able to plan for health promotion, disease prevention and food safety. |
| S4 | Students will be able to demonstrate strong writing and oral communication skills. |
| S5 | Students will be able to demonstrate critical analysis of new information and research findings relevant to Veterinary Medicine. |
| S6 | Students will be able to manipulate veterinary field works using sense and locomotors organs. |

Values, Autonomy, and Responsibility

- | | |
|----|--|
| V1 | Students will be able to work effectively in teams for solving veterinary problems. |
| V2 | Students will be able to show full awareness of ethical and professional issues relevant to Veterinary Medicine. |
| V3 | Students will be able to make independent and critical assessments. |

* Add a table for each track or exit Point (if any)





C. Curriculum

1. Curriculum Structure

Program Structure	Required/ Elective	No. of courses	Credit Hours	Percentage
Institution Requirements	Required	6	12	6.1
	Elective	-	-	0.0
College Requirements	Required	22	60	30.8
	Elective	12	8	4.1
Program Requirements	Required	33	85	43.6
	Elective	11	8	4.1
Capstone Course/Project		-	-	0.0
Field Training/ Internship		1	3	1.5
Residency year		-	-	0.0
Others:				
a- Obligatory from outside the program	Required	4	13	6.7
b- Free courses	Required	3	6	3.1
Total		92	195	100

* Add a separated table for each track (if any).

2. Program Courses

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 1	IC 101	Introduction to Islamic Culture	Required	-	2	Institution
	ENG 101	English (1)	Required	-	3	College
	PSYCH 101	Thinking and teaching strategy skills	Required	-	2	Institution
	ZOOL 101	Zoology	Required	-	4	College
	ARAB 101	Language Skills	Required	-	2	Institution
	CHEM 103	General Chemistry	Required	-	3	College
	MATH 165	Introduction to the calculus	Required	-	3	College
Level 2	IC 102	Islam and the Construction of Society	Required	IC 101	2	Institution
	ARAB 103	Expository Writing	Required	ARAB 101	2	Institution
	PHYS 105	Introduction in Physics	Required	----	3	College
	VMD 111	Animal Behavior	Required	----	2	College
	ENG 103	English language (2)	Required	ENG 101	3	College
	ENG 118	English language	Required	ENG 101	3	College
	STAT 122	Introduction in statistics	Required	MATH 165	2	College





Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
	CHEM 247	Principles of Organic Chemistry	Required	CHEM 103	3	College
Level 3	IC 103	The Islamic Economic System	Required	IC 101	2	Institution
	MGMT 103	Communication skills	Required	----	2	Institution
	APP 211	Principles of Animal Production	Required	ZOOL 101	3	College
	VMD 221	Animal Anatomy (1)	Required	ZOOL 101	3	Program
	VMD 222	General Histology	Required	ZOOL 101	3	Program
	VMD 231	Physiology (1)	Required	ZOOL 101 CHEM 103	3	Program
	BCH 301	Principles of Biochemistry	Required	CHEM 247	3	College
Level 4	IC 104	Fundamentals of the Islamic Political System	Required	IC 101	2	Institution
	VMD 223	Specific Histology	Required	VMD 222	3	Program
	VMD 224	Animal Anatomy (2)	Required	VMD 221	3	Program
	VMD 225	Embryology	Required	ZOOL 101	2	Program
	VMD 232	Physiology (2)	Required	VMD 231	3	Program
	APP 339	Animal Genetics and Breeding of	Required	ZOOL 101	4	College
----	Free course	Elective	----	2	Institution	
Level 5	VMD 333	Endocrinology	Required	VMD 232	2	Program
	VMD 341	Introduction to Microbiology	Required	BCH 301	3	Program
	VMD 343	Immunology	Required	BCH 301 VMD 232	2	Program
	VMD 345	Helminthology	Required	VMD 222 VMD 231	3	Program
	VMD 346	Arthropodology	Required	VMD 222 VMD 231	2	Program
	VMD 351	General Pathology	Required	VMD 223 VMD 224	3	Program
	----	Elective college course	Elective	----	2	College
	----	Free course	Elective	----	2	Institution
Level 6	AGEC 202	Principles of Agriculture Economics	Required	----	2	College
	VMD 342	Bacteriology and Mycology	Required	VMD 341	3	Program
	VMD 344	Virology	Required	VMD 341	3	Program
	VMD 347	Protozoology	Required	VMD 346	2	Program
	VMD 352	Systemic Pathology	Required	VMD 351	4	Program
	APP 342	Farm Animal Nutrition	Required	BCH 301	3	College
	----	Elective college course	Elective	----	2	College



Level	Course Code	Course Title	Required or Elective	Pre-Prerequisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 7	VMD 454	Avian Diseases	Required	VMD 352	3	Program
	VMD 461	Pharmacology	Required	BCH 301 VMD 351	3	Program
	VMD 471	General Preventive Medicine	Required	VMD 342 VMD 344	3	Program
	VMD 474	Meat Hygiene	Required	VMD 342 VMD 352	3	Program
	VMD 481	Clinical Medicine (1)	Required	VMD 344 VMD 352	4	Program
	----	Elective college course	Elective	----	2	College
	----	Elective college course	Elective	----	2	College
Level 8	VMD 413	Application of Computer in Veterinary Medicine	Required	STAT 122	1	Program
	VMD 455	Laboratory Diagnosis	Required	VMD 342 VMD 343	2	Program
	VMD 462	Therapeutics	Required	VMD 461 VMD 481	3	Program
	VMD 472	Applied Preventive Medicine	Required	VMD 471	3	Program
	VMD 475	Milk Hygiene	Required	VMD 342 VMD 471	2	Program
	VMD 479	Fish hygiene and diseases	Required	VMD 342 VMD 352	2	Program
	VMD 482	Clinical Medicine (2)	Required	VMD 481	3	Program
	----	Elective department course	Elective	----	2	Program
	----	Free course	Elective	----	2	Institution
Level 9	VMD 463	Toxicology and Forensic Medicine	Required	VMD 461	3	Program
	VMD 473	Zoonoses	Required	VMD 472 VMD 482	2	Program
	VMD 476	Field Experience - Food Hygiene	Required	VMD 474 VMD 475	1	Program
	VMD 483	Clinical Medicine (3)	Required	VMD 482	3	Program
	VMD 485	Surgery (1)	Required	VMD 482	4	Program
	VMD 488	Theriogenology (1)	Required	VMD 462	4	Program
	VMD 498	General Veterinary Exam	Required	The student must pass 150 credit hours	1	Program
	-----	Elective department course	Elective	----	2	Program
Level 10	VMD 453	Morbid Anatomy	Required	VMD 352	2	Program
	VMD 484	Field Experience- Clinical Medicine	Required	VMD 482	1	Program
	VMD 486	Surgery (2)	Required	VMD 485	4	Program





Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
	VMD 487	Field Experience- Surgery	Required	VMD 485	1	Program
	VMD 489	Theriogenology (2)	Required	VMD 488	4	Program
	VMD 491	Field Experience - Theriognology	Required	VMD 488	1	Program
	VMD 492	Partnership training	Required	VMD 455 VMD 482	3	Program
	-----	Elective department course	Elective	----	2	Program
	-----	Elective department course	Elective	----	2	Program

* Include additional levels (for three semesters option or if needed).

** Add a table for the courses of each track (if any)

Course Specifications:

Insert hyperlink for all course specifications using NCAAA template (T-104)

https://quedusa-my.sharepoint.com/:f/g/personal/m_sadan_qu_edu_sa/Esc8DhV33mRFnyrRDNRUwZMBZvHAK4avyxpVT5il5d66xg?e=obwDTk

4. Program learning Outcomes Mapping Matrix:

Align the program learning outcomes with program courses, according to the following desired levels of performance (*I = Introduced P = Practiced M = Mastered*).

Course Code & No.	Program Learning Outcomes										
	Knowledge and understanding		Skills						Values, Autonomy and Responsibility		
	K1	K2	S1	S2	S3	S4	S5	S6	V1	V2	V3
I- IC 101	√										
I- ENG 101	√	√	√	√					√	√	
I- PSYCH 101	√										
I- ZOOLOGY 101	√										
I- CHEM 103	√	√			√						
I- MATH 165	√										
I- IC 102	√										
I- PHYS 105	√	√			√						
I- VMD 111	√		√	√					√		
I- ENG 103	√	√				√					
I- STAT 122	√		√	√							
I- CHEM 247	√	√			√						
I- IC 103	√										
I- MGMT 103	√										
APP 339	√						√				



Course Code & No.	Program Learning Outcomes											
	Knowledge and understanding		Skills						Values, Autonomy and Responsibility			
	K1	K2	S1	S2	S3	S4	S5	S6	V1	V2	V3	
APP 380	√	√	√							√	√	
APP 211	√	√	√	√						√		
I- AGECE 202	√		√	√								
I- VMD 221	√		√	√						√	√	
I- VMD 222	√											
I- VMD 231	√											
I- BCH 301	√	√										
I- IC 104	√											
I- VMD 223	√	√										
I- VMD 224	√						√	√				
I- VMD 225	√						√	√		√		√
P- VMD 326					√			√				√
I- VMD 232	√											
APP 381	√							√	√			
FSNU 313		√								√		
FSNU 341		√		√						√		
FSNU 352	√	√		√								
P- VMD 333		√			√			√				√
P- VMD 341	√				√							
APP 480	√		√							√		
P- VMD 343	√		√									√
P- VMD 345		√	√				√					
P- VMD 346		√	√				√					
I- VMD 348	√		√									
I- VMD 349	√											
P- VMD 351	√		√									
P-VMD 342		√	√									
P-VMD 344	√		√							√		
P-VMD 347	√		√				√					
P-VMD 352	√		√						√			
I- APP 342	√	√	√									
M-VMD 454					√			√				√
M- VMD 456		√	√									
M- VMD 457	√		√									
P-VMD 461	√				√	√						
P-VMD 471					√			√				√
M-VMD 474			√						√	√		√
M-VMD 481			√					√		√		
P-VMD 413	√							√		√		
M-VMD 455		√					√	√				√
M-VMD 462	√						√	√				
M-VMD 472					√			√				√
P-VMD 475	√				√			√		√		√

Course Code & No.	Program Learning Outcomes										
	Knowledge and understanding		Skills						Values, Autonomy and Responsibility		
	K1	K2	S1	S2	S3	S4	S5	S6	V1	V2	V3
M-VMD 479			√		√		√				√
M-VMD 482						√		√	√	√	
P-VMD 463		√				√	√				
P-VMD 473					√		√				
M-VMD 476			√				√		√	√	
M-VMD 483			√					√		√	
M-VMD 485				√				√	√	√	
M-VMD 488				√				√	√	√	
P-VMD 453	√		√						√		
M-VMD 484			√					√	√		√
M-VMD 486				√				√	√	√	
M-VMD 487			√	√				√	√	√	
M-VMD 489				√				√	√		√
M-VMD 491			√	√				√	√		
M-VMD 492			√	√				√	√		√
P-VMD 496	√	√	√	√				√			
M- VMD 458		√			√		√		√		
M- VMD 459	√								√		√
M- VMD 464	√				√	√	√				
M- VMD 478	√				√		√		√		√
M- VMD 493				√					√	√	√
M- VMD 494				√					√	√	√
M- VMD 495				√				√	√	√	
M- VMD 497				√				√	√	√	
M- VMD 498	√	√	√	√	√	√	√	√	√	√	√

* Add a separated table for each track (if any).

6. Program KPIs*

The period to achieve the target (____) year(s).

No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
1	KPI-P-01	Percentage of achieved indicators of the program operational plan objectives	50	58	Academic year 21/22
2	KPI-P-02	Students' evaluation of quality of learning	4	4.2	Academic year 21/22



No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
		experience in the program			
3	KPI-P-03	Students' evaluation of the quality of the courses	4.35	4.35	Academic year 21/22
4	KPI-P-04	Completion rate	86.36	80	Academic year 21/22
5	KPI-P-05	First-year students retention rate	64.4	62	Academic year 21/22
6	KPI-P-06	Students' performance in professional/ or national examination	Not Applicable		
7	KPI-P-07	Graduates' employability	68.42	52	Academic year 21/22
		Enrolment in postgraduate programs	0.0	25	
8	KPI-P-08	Average number of students in the class	30	20	Academic year 21/22
9	KPI-P-09	Employers' evaluation of the program graduates proficiency	4.1	4.1	Academic year 21/22
10	KPI-P-10	Students' satisfaction with the offered services	4.05	4.1	Academic year 21/22
11	KPI-P-11	Ratio of students to teaching staff	9.9 : 1	8 : 1	Academic year 21/22
12	KPI-P-12	Percentage of teaching staff distribution	100% PhD holders male staff / No-female branch		
13	KPI-P-13	Proportion of teaching staff leaving the program	3.57	0.0	Academic year 21/22
14	KPI-P-14	Percentage of publications of faculty members	87.88	81	Academic year 21/22
15	KPI-P-15	Rate of published research per faculty member	3.8	2.6	Academic year 21/22



No.	KPIs Code	KPIs	Targeted Level	Measurement Methods	Measurement Time
16	KPI-P-16	Citations rate in refereed journals per faculty member	63.9	60	Academic year 21/22
17	KPI-P-17	Satisfaction of beneficiaries with the learning resources	3.95	4.1	Academic year 21/22

* including KPIs required by NCAAA

H. Specification Approval Data:

COUNCIL / COMMITTEE	DEPARTMENT
REFERENCE NO.	9TH MEETING
DATE	22/01/2023

