



**Bachelor of Veterinary Medical Sciences (BVMSc) Programme Report**  
**Faculty of Veterinary Medicine – Zagazig University**

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**Zagazig University**  
**Faculty of Veterinary Medicine**  
**The Quality Assurance Unit**  
وحدة ضمان الجودة بكلية الطب البيطري - جامعة الزقازيق

**Programme Report**  
تقرير البرنامج لمرحلة البكالوريوس

**Zagazig University**  
**Faculty of Veterinary Medicine**  
**The Quality Assurance Unit**

**2021 - 2022**  
**Faculty Council 18 / 07 /2022**



## **Annual Programme Report (2021-2022)**

**Zagazig University**

**Faculty of Veterinary Medicine**  
**Programme Report**

### **A- Basic Information**

1- **Program title:** Bachelor of Veterinary Medical Sciences (BVMSc)

2- **Programme type:** Single

3- **Department (s):**

#### **a- Faculty Departments**

1. Anatomy and Embryology
2. Histology
3. Biochemistry
4. Physiology
5. Animal Wealth Development
6. Veterinary Public Health\*
7. Behavior, Management of animal, Poultry and Aquatic animals\*
8. Pathology
9. Bacteriology, Mycology and Immunology
10. Nutrition and Clinical Nutrition
11. Pharmacology
12. Parasitology
13. Virology
14. Theriogenology
15. Surgery, Anesthesia and Radiology
16. Animal Medicine
17. Fish Diseases and Management
18. Clinical Pathology
19. Food Control
20. Forensic Medicine and Toxicology
21. Avian and Rabbit Medicine
22. Zoonoses

\* Through Ministerial Resolution No. 229 on 24 January 2022, the two subjects of the Department of Veterinary Public Health were divided into two scientific departments, the Department of Veterinary Public Health and the Department of Behavior, Management of animal, Poultry, and Aquatic animals.



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**b- External Institutions**

1. ELP Centre of Zagazig University "English Language and Terminology" (ENLA 108)
2. Faculty of Science: Department of Physics "Biophysics" (BPHY 109)
3. Human rights and anti-corruption (HURT 110): Faculty of law.

**c- Coordinator:**

Prof. Dr. Mohamed El-Sayed Mohamed (Vice Dean for Education and Student Affairs).

**d- External and internal evaluator:**

External and internal evaluators were nominated for the Bachelor of Veterinary Medical Sciences program through the Quality Assurance Unit on the date of 5/ 2/ 2019, and it was approved by the Faculty Council on 13/ 2/ 2019. An internal and external evaluator for the courses was also nominated by the scientific departments, each according to his specialization, and these nominations were approved by the Faculty Council on 8/4/2019.

**4- Year of operation reported: 2021-2022**

**5- Date report Approved:** The Faculty Council No. (11) on 1 8 / 7 /2022.

**B- Statistics**

**1- Number and Percentage of students passing from 2017/2018 to 2021/2022:**

1. Number of students starting the programme in the current academic year (2017-2018) was **498**.
2. Since it is the 5<sup>th</sup> year of the applied programme, this report will include the first, second, third, fourth and fifth grades courses.
3. Ratio of students attending the programme this year to those of last year **408/498**.
4. Number and percentage of students passing in each year/level/semester (*see Table 1*).
5. Grading: No. and percentage in each grade (*See Table 2*).



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**Table 1. Number and Percentage of students passing from 2017/2018 to 2021/2022:**

Percentage (%)	عدد الطلاب الناجحون Number of passing the exam	عدد الطلاب الذين حضروا الامتحان Number of completing the program	عدد الطلاب الملتحقين Number of attendances				العام الجامعي Academic year
			اجمالي Total	طلاب محولين خارج الكلية Transfer students out of faculty	طلاب محولين للكلية Faculty transfer students	طلاب مستجدين New students	
%79	389	492	498	-	3	495	طلاب الفرقة الاولى 2018/2017 First academic year 2017/2018
%93	399	429	408	15	4	419	طلاب الفرقة الثانية 2019/2018 Second academic year 2018/2019
%98	405	412	417	8	8	417	طلاب الفرقة الثالثة 2020/2019 Third academic year 2019/2020
%98	403	410	416	-	-	416	طلاب الفرقة الرابعة 2021/2020 Fourth academic year 2020/2021
%96.6	398	408	408	-	-	408	طلاب الفرقة الخامسة 2022/2021 Fifth academic year 2021/2022



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**Table 2. Grading, number, and percentage at each academic year from 2017/2018 to 2021/2022:**

Level	عدد الاجمالي للطلاب الملتحقين Number of attendances	عدد الطلاب الناجحون Number of passing the exam	%	Grades								منقول بمادة او اثنتين علي الاكثر Pass with ≤ 2 courses.		راسب Failed	
				ممتاز Excellent		جيد جدا Very good		جيد Good		مقبول Pass					
				No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
الفرقة الاولى First academic year 2017/2018	498	389	79	19	4.88	76	19.53	115	29.56	146	37.53	9	2.31	59	15.16
الفرقة الثانية Second academic year 2018/2019	408	399	93	27	6.76	104	26.06	118	29.57	107	26.81	55	13.78	14	3.50
الفرقة الثالثة Third academic year 2019/2020	417	405	98	87	21.48	172	42.46	110	27.16	38	9.38	-	-	3	0.74
الفرقة الرابعة Fourth academic year 2020/2021	416	403	98	20	4.96	114	28.28	110	27.29	82	20.34	-	-	3	0.74
الفرقة الخامسة 2022/2021 Fifth academic year 2021/2022	408	398	96.6	22	5.52	155	38.94	142	35.67	79	19.84	-	-	14	3.51



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### **3- Discussion of statistical information:**

Four hundred and eight students completing the program this year (2021-2022). The number of students who failed more than two courses in prior years, as well as those who transferred from our faculty to other universities, are to blame for this percentage. This is especially true of first-year students who merely take a seat in our faculty before transferring to private universities and the military academies. Additionally, a few students transferred to neighboring veterinary medicine faculties.

Table No. 1 shows that success rates for programme graduates for the academic year 2021/2022 have increased and improved during the academic years. The success rate for alumni of this programme was around **79%** in their first academic year (2017–2018), while it was approximately **96.6%** in their graduation year (2021–2022).

### **4- First destination of graduates:**

- The director of animal research laboratories of Sharkia University as well as the director of veterinary service governorate is sharing in the faculty council. In addition, the faculty implements collaborative training programmes for their students with public and private companies and organizations e.g. El-Esh farms, Dakahlia poultry farms, slaughter houses and processing plants, Arabian equines farms (El-Zahraa), veterinary laboratories, zoo,... etc. during summer training courses.
- In turn, this cooperation increases the job opportunities among the faculty alumni in different veterinary fields such as governmental veterinary clinics and hospitals, animal research institutes, veterinary quarantine, airports, pharmaceutical companies and factories, meat inspection abattoirs, university veterinary hospital & hostels, by product factories, equine farms, zoo veterinary care, military, and police academies.
- The faculty was establishment the Follow-up Unit and the Employment of graduates, which was approved at faculty council on 11/6/2018 to create new jobs through their support in contact with veterinary employer sectors.



## **C- Academic standers**

### **1- Achievement of program intended learning outcomes courses matrix.**

All ILOs of the specified program are achieved as reported in the course reports of bylaw.

### **2- Commentary (Quoting evaluations from external evaluator and other stakeholders:**

The feedback evaluation of this program is done through survey of stakeholders (Students, alumni and veterinarians) opinion, in addition to external and internal evaluators. The results of feedback evaluation could be summarized as follows: -

- The system of course evaluation is assured in this academic year (2021 – 2022).
- The questionnaires on the educational program were distributed, and the results were summarized and sent to the department for response.
- Continuous training for students for properly filling up of questionnaire is required; on the other hand, the forms itself were changed to enable the students to understand them consequently filling them properly.
- The Quality Assurance Unit always organizes training workshop on feedback evaluation systems for staff members.
- Continuous contacting through emails and letters with different stakeholders is involved for increased awareness on quality assurance and evaluation of the program implementation. Student pioneering meeting have assured the student feedback evaluation. Moreover, the external examiner committee evaluation system is introduced. Reports of the external and internal evaluators are considered.
- Google forms questionnaires were distributed on student of different grades through their official telegram canal. The evaluation of educational program, courses, staff members, assistant staff members, student affairs, library and computer facilities as well as summer training program is carried out. In addition to a questionnaire of youth service which are distributed in all grades.



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### 3- Achievements of program aims:

- a. The aim of the Veterinary Medical Science Degree Program is to provide an understanding of these aspects of animal science which underpin both the role and use of animals in society and in veterinary and laboratory animal practice. As such, the program will concentrate on these species which have major societal impacts and will be based on foundations of core subjects.
- b. The VMS program provides opportunities for students to develop and demonstrate knowledge and understanding skills.
- c. The program aims are achieved. Improved facilities are required for better practical and professional skills (financial support). The faculty will include of justified policies for increases the financial support of teaching and learning activities in the annual report this year.
- d. Both staff members and stakeholder strongly agree with the program aims but some advanced programme are added like poultry medicine (Ministerial Resolution No. 3622 dated 11/17/2009), veterinary clinical pharmacology (Ministerial Resolution No. 2871 dated 23/8/2020) and Pets Medicine and Care (Ministerial Resolution No. 2862 dated 23/8/2020).

### Assessment Methods:

According to the By-Law the assessment of student performance is as follows:

Exam	Percentage
Written Exam.	50
Oral Exam.	20
Practical Exam	20
Periodical activities	10
<b>Total</b>	<b>100</b>

The feedback evaluation done through the students was summarized as follows:

- e. The faculty of Veterinary Medicine, follow the bylaw rules that approved by the Supreme Council of Universities in Egypt. These methods of assessment





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involve different types of exams (written, practical and oral) to assess the student's performance effectively and ensure equality in assessment of achieved ILOs. Moreover, continuous periodical assessment during the study is ensured through quizzes, midterm exams and assignment in some courses. Particularly in practical activities is applied for enhancement of student achievements and staff improvements. The feedback of developmental engagement site visits to our faculty reported points of strength related to student assessment.

f. The assessment includes many of the following:

i. **Written examination:**

- Students in different academic years were evaluated in the first academic semester by using electronic assessment for 100% of the courses, taking care that the exam forms include all knowledge skills.
- Multiple choice and extended matching item questions to test factual and deeper knowledge across the breadth of the subject area.
- The language used in assessment agrees with that of teaching (English for all courses and Arabic for Human rights and anti-corruption course).
- Any staff member having a relative from the students up to the fourth degree is strictly excluded from the examination board of this year.
- Students are notified by their results mostly after two weeks from the last exam.
- Students' complaints about examination results are received by the vice dean for education and student affairs. Reviewing with through care is carried out fairly to ensure the correct assessment. The faculty has enhanced this process by allowing the student to see a copy of their marked papers within the constraint of the bylaws which don't allow remarking, the treatment of student complaints is excellent. The faculty gives a great care to ensure the effectiveness and quality of this process and substantial evidence of this could be seen (for more details see the student affairs reports and faculty council



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approval of student assessment correction).

ii. **Practical examination:**

- To assess the ability to observe & deduce and apply clinical skills: these may be laboratory – based, case – based or objective structured clinical examinations.

iii. **Oral or poster presentation:**

- To peers and staff to assess the ability to communicate.
- The faculty follows the regulations of the University which involves policies and procedures for constitution of examination boards. These examination boards are nominated by the department council for each course including the external examiners. Then they approved by Faculty Council.
- The assessment take place at defined points in the courses and may also take the form of continuous assessment. Assessment is of cumulative knowledge and understanding. For this reason, students must expect assessment held at any stage to call upon the understanding & knowledge and skills acquired in any part of the course up to that point.

#### **4- Student achievement:**

- a. In respect to the success percentage from the first to fifth years students, it ranged from 79 to 96.6 %. This is a very good success percentage. It is considered reasonable in concern to the achievement of program ILOs.
- b. The assessment methods in most courses evaluate the knowledge, understanding and intellectual skills, as well as practical and transferable skills. In particular, clinical courses assessments methods are successfully evaluating the practical and professional skills.

### **D- Quality of Learning Opportunities**

#### **1- Quality of teaching and learning:**

- a. The student's questionnaires revealed enough teaching halls. The faculty has 21 scientific departments, teaching 39 scientific courses.
- b. **The results of the questionnaires, meetings, evaluators and course reports**



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**revealed the following points:**

- Improving and developing laboratories with internet, computer and audio-visual services to raise educational efficiency.
- Providing more tools and chemicals needed for students to conduct laboratory tests.
- Increasing field visits to the various workplaces available in the labor market to prepare graduates for the post-graduation stage.
- Increasing the participation of labor market representatives in the various activities of the faculty to open work fields for its graduates.

**2- Effectiveness of student support systems:**

**i. Academic Support:**

- a. The academic support for all students includes providing of the library with recent update academic books in veterinary sciences.
- b. The tutorial system for group of students lies mainly in practical classes, field training and summer training.
- c. The tutor first explains the theoretical part of the practical sessions followed by practical application of the taught theoretical part. Every student has the ability to discuss, explain what he needs about knowledge, information's skills (practical and intellectual).
- d. Indeed, all staff and assistant staff members shared in this strategy and there are no defined staff members for individual or group of students because credit hours system is not applied till now in the faculty general program (Bachelor of Veterinary Medical science, BVMSc). While the credit hours system is applied in the new advanced programs (poultry medicine and veterinary clinical pharmacology and pest medicine and care programs).
- e. Some scientific departments, such as the Department of Anatomy and Embryology, encourage distinguished students by supporting them with the university book as free copies with an honoring ceremony for them.
- f. The faculty does not allow entering of disabled students, because the majority of studies are practices and needs students of good abilities.
- g. The students shared in social, culture, sport, artistic and families committee that financed by the student's union.
- h. Students meet their tutors in field training in medical convoys which provides contact information and brief personal and academic details. Students meet their personal tutors to give advice on procedures to follow.



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- i. The students were advised when they need the advice from any one of the staff members and any problems identified can be brought to the attention of the appropriate student service.

## **ii. Pastoral support**

- a. All students are fully covered with Health Insurance in the University hospitals.
- b. All students have equal opportunities to join any cultural, social, Sportive, a scotch or camping activities within the faculty. All the previously mentioned activities are supported from the university budget.
- c. There are also Cash subsidies for students and the tuition and book purchasing (total, 45950 LE), which are made through the Student Social Solidarity Fund, in which the student submits research on his marital status to the faculty youth welfare office, which in turn assesses the student's condition to disburse the appropriate amount of money.
- d. The faculty supports the poor students with money to buy books, notebooks, and other needs such as eyeglasses, Annual tuition fees and free University hostel for the educational process.
- e. Some staff members and some of businessmen sharing in paying educational fees for poor students.
- f. Some departments providing their scientific notebooks free of charge for poor students.

## **3. Learning resources:**

### **3.1. No. and ratio of faculty members and their assistants to students:**

The number of staff and assistant staff is quite reasonable to achieve the program ILOs sufficiently.

Academic year	Number of the student	Number of Faculty staff member	Number of Faculty staff member assistant	Percentage of the staff member to the student	NORMS	Percentage of the staff member assistant to the student	NORMS
2021-2022	2660	355	75	1/7.4	25:1	1/ 35.46	15:1



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Course title (code)/academic year	Student number	Faculty staff member				Assistant of staff member			
		Total number	%	Acting staff member	Actual	Total number	%	Acting staff member	Actual
First academic year									
Anatomy and Embryology A (ANEM 101)	707	19	37	18	39	5	141	5	141
Histology A (HIST 102)	707	14	50	11	64	4	176	2	353
Biochemistry (BCHE 103)	707	16	44	12	58	1	707	-	-
General Physiology (PHYS 104)	707	17	41	13	54	3	235	3	235
Biostatistics (ANWD 105)	707	3	707	-	-	2	353	2	353
Veterinary Genetic and Genetic engineering (ANWD 106)	707	5	141	5	141	2	353	2	353
English language (ENLA 108)	707	1(visitor)							
Biophysics (BPHY 109)	707	1 (visitor)						1(visitor)	
Human rights and anti-corruption (HURT 110)	707	1							
Second academic year									
Applied and Comparative anatomy (ANEM 211)	627	19	33	18	34	5	125	5	125
Special Physiology (PHYS 212)	627	17	36	13	48	3	209	3	209
Clinical Biochemistry (BCHE 213)	627	16	39	12	52	1	627	-	-
Animal & poultry behavior and management (VTPH 214)	627	8	78	8	78	2	313	2	313
Animal breeding and production (ANWD 215)	627	5	125	5	125	1	627	1	627
Veterinary economics and farm management (ANWD 216)	627	5	125	4	156	2	313	2	313
Third academic year									
General pathology (PATH 317)	487	16	30	10	48	5	97	3	162
Bacteriology and mycology (BAMI 318)	487	14	34	12	40	3	162	3	162
Nutrition and clinical nutrition (NCNT 319)	487	16	30	13	37	2	243	2	243
Pharmacology (PHAR 320)	487	16	30	15	32	2	243	2	243
Parasitology (PARA 321)	487	15	32	11	44	1	487	1	487
Virology (VIROL 322)	487	8	60	5	97	2	243	-	243
Immunology (BAMI 323)	487	5	97	4	121	1	487	1	487
Fourth academic year									
Gynecology and obstetrics (THER 424)	425	21	20	18	23	4	106	3	142
General surgery and anesthesia (SANR 425)	425	19	22	16	26	4	106	3	142
General internal medicine (ANME 426)	425	19	22	17	25	5	85	4	106
Fish diseases and management (FDMN 427)	425	13	32	11	38	1	425	1	425
Clinical pathology (CLPA 428)	425	13	32	11	38	2	212	2	212
Milk and Milk products hygiene and technology (FCNT 429)	425	12	35	11	38	3	141	3	141



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Forensic medicine, toxicology and veterinary procedures (FMDT 430)	425	17	25	17	25	1	425	1	425
Pathology (Morbid anatomy) (PATH 431)	425	16	26	10	42	5	85	3	142
<b>Fifth academic year</b>									
Obstetrics and artificial insemination (THER 532)	414	21	19	18	23	4	103	3	138
Special surgery radiology (SANR 533)	414	19	21	16	25	4	103	3	138
Special internal medicine (ANME 534)	414	19	21	17	24	5	82	4	103
Animal, poultry and environmental hygiene (VTPH 535)	414	9	46	7	59	2	207	2	207
Infectious diseases (ANME 536)	414	11	37	5	82	3	138	2	207
Avian and rabbit diseases (AVRM 537)	414	16	25	14	29	7	59	7	59
Meat and meat products hygiene and technology (FCNT 538)	414	13	31	10	41	1	414	-	414
Zoonoses (ZOON 539)	414	12	34	11	37	-	-	-	-



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### **3.2. Matching of faculty members' specialization to programme needs:**

**There is surplus in same departments.**

The number of faculty members is good while assistants are quite enough. The hiring of demonstrators and delegation of external faculty member compensate the shortage. The plan of hiring demonstrators originates from the academic departments and collected annually in a faculty plan. Finally, their number is governed by the university within the plan of supreme council of universities.

### **3.3. Availability and adequacy of programme handbook:**

Every student receives a student book as a programme guide which states the following rules:

- Admission, promotion, probation, and withdrawal regulations.
- Educational programme plan with distribution of the courses among the educational years.
- Lecture and practical sessions' contact hours.
- Time and marks allocated for periodical, written, practical and oral examinations.
- Regulation of attending the exams.
- Grading system and weightiest of each course.
- Student activities and pastoral support.

### **3.4. Adequacy of Library Facilities:**

- The faculty library is allocated on the first floor of the library and Conference Room Building. It consists of six halls, three of them for reading (Textbooks, scientific theses and scientific periodicals halls). The other three halls are for Internet services, bookstore and Library director office. Photocopy services are available for all students.
- The surface of the halls is 1200 m<sup>2</sup>, the total number of the seats are 60 seats. The halls are provided with four air conditions with a good status. The halls have good lightening and well ventilated.
- The library works 8 hours / day (9 am till 5 pm).
- Library collections:





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- This year, the University supported the faculty library with 25.000 LE for purchase of recent Textbooks from the International Book Exhibition.
- However, the periodicals stopped since 2000 and replaced by Internet Service, and digital libraries (there is 40 computers in Internet Room).

**The descriptive data of library collections**

Serial No.	Class	No
1	Arabic books	617
2	English textbooks	4039
3	Master thesis	3601
4	Ph.D thesis	1891
5	Scientific periodicals	11143
6	Dictionaries	84
7	Conferences	35
8	Atlas	257
9	Cyclopedia	114
<b>Total</b>		<b>21781</b>

- A total of eleven administrators are working in the library. They are well qualified and support and help students and visitors to reach to the books easily. The books are classified with roles of abbreviation and descriptive data. Subject and Author indexing are applied. They are records for books, periodicals, and theses. The borrowing period is 15 days for students and a month for staff members.
- The library disseminates the recently added periodicals and books for staff and students who are in interest. Currently they use the computer system for data registration.
- Additional library services are available in the Central Library of the University English Textbooks, Arabic Textbooks, and libraries of Pharmacy, Agricultural, Medicine and Science Faculties.

**3.5. Adequacy of laboratories:**

There are 33 laboratories serving the students (undergraduate). The number and area of the laboratories are adequate to all students. They are well ventilated and lightened.

The labs are supplied with the infrastructure including benches, seats, electricity & water supply and drainage. Vacuum and fans are also provided.

Equipment's and utensils are available and working in a relatively good status.





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Chemicals and kits supplied to these labs are adequate to some extent and inadequate in some departments.

- The equipment's require a contract of continuous repairing to be available all over the year. Also, the fund of the chemicals and accessories is not enough to keep practical learning opportunity for all students.
- The performance Appraisal and Quality Assurance Unit designed a form for laboratories and carried out a survey to collect the data base of these labs.

Moreover, there is a dissecting hall in Anatomy & Embryology Department on surface area 350 m<sup>2</sup>. It is well equipped. Anatomy museum on a 120 m<sup>2</sup> area is containing different preserved animal samples.

- **Descriptive data of Faculty laboratory, equipment, and audiovisual facilities in academic departments**

S	Department	Lab No.	No. of apparatuses and equipment's			
			Lab. Apparatuses	microscopes	Audio/Visual equipment's	Total
1	Anatomy and embryology	2	6	38	26	70
2	Histology	2	14	163	19	196
3	Biochemistry	1	39	-	14	53
4	Physiology	1	239	43	17	299
5	Animal wealth development	1	5	27	22	54
6	Veterinary public health	2	37	18	28	83
7	Pathology	2	10	95	27	132
8	Bacteriology, Mycology and Immunology	1	20	87	14	121
9	Nutrition and Clinical nutrition	1	14	4	19	37
10	Pharmacology	1	63	1	19	83
11	Parasitology	1	21	112	22	155
12	Virology	1	23	5	28	56
13	Theriogenology	1	67	26	26	119
14	Surgery, Anesthesia and Radiology	1	29	7	36	70



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15	Animal medicine	2	73	84	37	194
16	Fish diseases and management	2	11	37	11	59
17	Clinical pathology	1	51	56	15	122
18	Food control	2	22	25	38	85
19	Forensic medicine and Toxicology	2	15	28	16	59
20	Avian and rabbit medicine	3	28	27	16	74
21	Zoonoses	1	9	3	19	31
22	Ultrasound unit	1	1	-	-	1
23	Computer lab.	1	-	-	40	40
24	Library	1	-	-	5	5

Moreover, there is a dissecting hall in Anatomy & Embryology Department on surface area 350 m<sup>2</sup>. It is well equipped. Anatomy museum on a 120 m<sup>2</sup> area is containing different reserved animal samples.

### **3.6. Adequacy of computer facilities:**

Each academic and administrative department has its own computers (as shown in previous table of audiovisual and equipment facilities). Moreover, there is a Technology Club with 12 computers for computer services. Library has five computers, Scientific Veterinary journal and three in plastination and PAQA units. Moreover, there is a computer club supplied with 40 computers for student's scientific services. All these computers are connected with internet. The Technology Club started its services since 28 / 2 / 2004. The club organized computer training cycles. Through the training programs of the Management Unit of Technology and Information Clubs of the University.

### **3.7. Adequacy of field or field practical training resource:**

- Number of courses per programme: 39 courses, total contact hours (4995) lectures (2325) practical (1950) and summer training (720).
- A summer field training for 720/4995 (14.4%) contact hours is mandatory for



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graduation. The training is subdivided into three periods (240 hours/each) after the end of the last three academic years (third, fourth and fifth). The passing of the mentioned academic years is the condition to join the corresponding training period. In addition, field trips are done to market/ career paths of veterinary medicine. Monitoring team for internal evaluation is available and effectively working. Feedback evaluation for summer training is carried out. The results of Questionnaire were submitted to academic departments and top management.

- The faculty has a system for field training in neighboring villages.
- The faculty has a strategy for summer training in the different scientific departments. Students are divided into groups supervised by staff member (one staff/10 students and one technician and an administrator for 30 students).

### **3.8. Adequacy of any programme needs:**

- The provided fund for each course is not enough for achievement the ILOs especially those of practical part.
- The audio-visual aids for learning and teaching are very shortage (video projector and data show) for teaching 39 courses. These devices need spars & repair.

### **4. Proposals for programme development:**

- Programme duration: 5 years.
- Programme structure:

#### a- No. of contact hours

Academic year	Lectures	Practical	Total
1 <sup>st</sup> year	450	330	780
2 <sup>nd</sup> year	360	300	660
3 <sup>rd</sup> year	465	390	855
4 <sup>th</sup> year	510	480	990
5 <sup>th</sup> year	540	450	990



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**b- Summer Training**

Academic year	Total hours
3 <sup>rd</sup> year	240
4 <sup>th</sup> year	240
5 <sup>th</sup> year	240
Total	720

**c- Contact hours/ week**

Academic year	1 <sup>st</sup> semester	2 <sup>nd</sup> semester	Summer Training
1 <sup>st</sup>	26	26	-
2 <sup>nd</sup>	22	22	-
3 <sup>rd</sup>	30	27	42
4 <sup>th</sup>	33	33	42
5 <sup>th</sup>	33	33	42

5.

**d- Total contact hours:**

**Lectures: 2325      Practical: 1950      Summer Training: 720      Total: 4995**

No of contact hours compulsory (4275)

No of contact hours of basic sciences:	No:1080	%: 21.6
No of contact hours of social science and humanities:	No: 120	%: 2.4
No of contact hours of specialized:	No: 2925	%:58.56
Discretionary subjects:	No: 150	%: 3
No of field training (summer training):	No:720	%:14.4

**e- Courses, deletion, additions & modifications: Some modifications in all courses are needed.**

- **Deleted courses:** Chemistry and Biology.
- **Added courses:** Human rights and anti-corruption.
- **Modified courses:** Physiology, Biochemistry, Virology, Clinical Pathology and Fish Management and Diseases, Zoonoses, and Bacteriology, Mycology & Immunology.



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f- Staff development requirement

- Increase training of the staff and faculty members on quality assurance system.
- Holding periodical scientific seminars.
- Enhancement of research capabilities through staff exchange.

**5. Quality management and Enhancement:**

**5.1. Availability of regular evaluation and revision system for the programme: -**

- The faculty started to be engaged in initiation and establishment of Internal Quality Assurance System through establishment of PAQAU (13/6/2005). A mission, vision and strategic objectives are issued. This is considered the first step to get into the Quality Assurance System.
- In fact, the faculty has a policy to ensure the monitoring and evaluation of the performance and administrative members. The top managements have ensured this system in the summer training since (2004-2005). They applied a strategic declared plan for continuous monitoring and evaluation of the whole educational programme implementation. This system has a great impact on the enhancement of commitment from the working members.
- Up till now, the faculty encourages the quality assurance unit and gave it complete opportunity to be integrated with the whole educational process and feedback evaluation. the quality assurance unit has applied a continuous training programme for both staff and students to increase the awareness and believe in the self-evaluation. As well internal auditing of the educational programme and comments are sent to leadership of the quality assurance unit in the University.
- The faculty has a strategic plan for enhancement with clear goals, regulations and mechanisms for implementation already started through issuing the courses specification and reports in regular manner.

**5.2. Effectiveness of the system:**

- Before the establishment of quality assurance system, each department issues its achievements through the annual department and the faculty conferences. Then



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these achievements together with administrative ones are compiled in a collective report and send to the University. However, these reports have different form for exhibition of the faculty data and sometimes miss other data. Moreover, the feedback evaluation was not included before. Continuous monitoring by the top management for the implementation of the educational programme is available, Dean and vice deans receive feedback from department head, staff members and students in regular manner. External and internal evaluators are involved in this academic year, as well as student pioneering and suggestion boxes.

- Since the establishment of the quality assurance system, the faculty utilized the template QAAP for both specification and reporting of academic programmes and courses. The faculty succeeded to issue the first and second annual faculty report (2005-2006) as a start point of the effectiveness of internal review system and this is the fourth programme report.
- In 2015, the faculty was accredited and became has Quality Management Unit, which responsible about receive feedback from department head, staff members and students in regular manner. Since the establishment of the quality assurance unit, the faculty utilized the template for both specification and reporting of academic programmes and courses. In addition, it responsible about revision of the program and courses specification and reports.
- Course and programme report and their feedback have had an influence on the modification and development of the curriculum.
- Also, through the Quality Assurance Unit at the faculty, survey questionnaires are made for each of the students, faculty members, stakeholders, and external examiners to find out the percentage of satisfaction with the program and its aims and the extent of its impact on the labor market and community needs.
- All staff members, many of the administrators and students are informed throughout the course of preparation of this report. Therefore, improvements made to teaching performance & assessment methods are an excellent example of the effectiveness of the system.
- The response of the academic faculty staff to the enhancement plans is encourgious.



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- Majority of staff and assistant staff members knew the culture of quality assurance, and they become involved in the subgroups of the internal unit. They shared by time to achieve the enhancement goals.
- There is a strong evidence of student opinion in contribution in learning of the curriculum.

### **5.3. Effectiveness of faculty and University Laws and regulations for progression & completion:**

Since the establishment of the faculty, the regulations and policies implementation are governed by legislations of the Egyptian Supreme Council of Universities and bylaw and legislations cited by the Universities Organization Law,

- Fixed monthly meetings of Department, Faculty and University councils.
- Fixed monthly meetings of specialized, Faculty and University Committees.
- Annual Department and annual Faculty Educational Conferences.
- Circulating all announcements and newsletters from the Ministry of Higher Education, Supreme Council of the Universities, University and other Universities.
- Involvement of QAU and its organizational structure in the internal auditing of management quality and educational programmes.
- Facilitating the communication and interaction between the QAU and all Faculty Academic and Administrative Departments.
- Establishment the developmental action plan committee.
- Annual issuing of the programme and course specification and reports as well as annual faculty report.

### **5.4. Effectiveness of programme external evaluation system:**

#### **5.4.1. Students:**

Student's opinion is obtained from questionnaires, class discussion and informal contacts. It plays an important role in regulation of the teaching courses and





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programme. It opened the way for improvement of the staff performance and methods of teaching and assessments.

● **Points need to improvement:**

- Linking some courses topics with the market requirements.
- The need for improving training material to qualify students in line with the labor market.
- The teaching hours are not enough for some courses.
- Several students worry about the unavailability of hard copies of university textbooks, claiming that they cannot gain information from e-books.
- There is no part of course talk about aquatic life in the “Animal, poultry behavior and Management” course.
- Updating the summer training courses.
- Preparing questions bank for some courses.
- Lack of consistency between scientific content and teaching hours in some courses.
- Need more practice on the clinical cases.

● **Positive points:**

- The staff members were interested in displaying the objectives, contents and methods of course evaluation at the beginning of the academic year.
- The lecturers were committed to the date and schedule of the assigned lectures.
- Practical skills were improved with dividing students in small groups in practical sessions of the clinical courses.
- Many new helpful textbooks were available at the library.
- Using different tools for teaching.
- The scientific departments appreciated the emergencies that students might experience during midterm exam or formative exams.
- The lecturers were interested in motivating the students to interact through questions and scientific dialogue during lectures.

#### **5.4.2. Other stakeholders:**

Questionnaires or open discussion and seminars are taken in account from Alumni, employed veterinarian in different veterinary fields, farmers and owners of large





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animal, poultry & fishes farms. Their opinion aid in enhancement and progression. Stakeholder's results revealed points of strength and others of weakness. The feedback evaluation results are summarized and disseminated into the concerned departments and top management.

**The stakeholders suggested the following points.**

- Enhancement of courses to encourage research and problem solving.
- Some courses require more integration of field application cases.
- Improving the field trip and involvement of optional specialization of visits.
- Increasing the amount of chemicals and utensils to enable each student to carry out the stated test and experiments with himself.
- Involvement of computer application in some courses e.g. computerized milking parlor, hatcheries and incubators, poultry heating, ventilation feeding, drinking systems, egg collection, examination and ration formulation.

**5.4.3. External and internal evaluators: -**

The faculty nominated the external and internal evaluators to review its educational documents (programme & course specification & reports- 2020-2021). The external and internal evaluator's report was sent to the faculty and his comments were delivered to department for response.

**5.4.4. Alumni**

**Positive points:**

- Creation of new programme (programme of poultry medicine, veterinary clinical pharmacology and Pets medicine and care). New courses which could be learned beside to the achieved BVSc must be present.
- Presence of the Follow-up Unit and the Employment of graduates.

**Points need to improvement:**

- The laboratories of the faculty are not enough to gain the skills for working field.
- The faculty programme must be development of to become more acceptable for working in the field and also become more suitable for veterinary medicine jobs.



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- The summer training system of must be developed to become suitable for working field.

**5.5. Faculty response to student and external evaluations:**

- All points presented by student & external evaluation taken in account.
- The faculty responded positively and disseminated these results to the concerned department, to state the improvement mechanisms.

**6. Progress of previous year's action plan 2020-2021:**

There is appreciated improving procedures are applied in this academic year:

- The Quality Assurance Unit established and disseminated feedback evaluation forms (students, alumni & other stakeholders).
- The course and programme coordinator system are assured.
- The monitoring team has been assured this year to follow up the educational programme, implementation and summer training performance.
- The Education and Student Affairs Committee is concerned with curriculum reviewing in a regular manner.
- The Quality Assurance Unit become more integrated in the internal auditing of the educational programme and evaluation process.
- External evaluator is involved.
- The internal and external evaluators are nominated by the Quality Assurance Unit and the scientific departments to review the program and its courses periodically.
- Application of the enhanced new curriculum.
- The infrastructure of some laboratories such as the anatomy and virus laboratory in the Department of Avian and Rabbit Medicine, and the laboratory of the genetic department have been developed, and equipment has been purchased with funding from scientific projects and the self-efforts of the department members in order to serve the educational and research system.
- Teaching actually started in the Pets Medicine and Care program this year to meet the needs of the labor market.



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- A plan was prepared and implemented to enhance the strengths and improve the weaknesses mentioned in the external audit report in accordance with the accreditation standards (third version 2015) for the period from 30/5/2021 to 7/6/2021 by the Quality Assurance Unit at the faculty.

**7. Action plan 2022-2023:**

Since the faculty joins the developmental engagement during the previous academic year, in this academic year, the previous action is not totally achieved (the financial support & department's instruction must be placed under study), and a continuous improvement is under vision.

We will also aim during the next year to improve the following points:

1. To completing developing student laboratories and supplying them with advanced equipment and devices with the self-efforts of faculty members, companies and graduates, and the outcomes of research projects.
2. Continuous development of faculty courses and programs in line with the labor market.
3. Increasing the number of field visits and laboratory capabilities to provide more practical training for students.
4. Providing some hard copies of university textbooks for students who are unable to comprehend and collect information from e-books.
5. Preparing questions bank for some courses

Program coordinator

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Vice Dean for Education and Student Affairs

Dean of the Faculty

**Prof. Dr. Nasr Abd El-Wahab Mohamed**



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	<p>جامعة الزقازيق كلية الطب البيطري معيان المعايير الأكاديمية والبرامج التعليمية</p>	
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## تقارير مقررات برنامج العلوم الطبية البيطرية للعام الجامعي 2021-2022

رسالة الكلية: تلتزم كلية الطب البيطري بتوفير تعليم عالي الجودة في مجال الطب البيطري والمجالات ذات الصلة بصحة الإنسان وسلامة الغذاء والبيئة، كما تهتم الكلية بإجراء البحوث الأكاديمية والتطبيقية بالإضافة إلى تقديم خدمات متميزة للمجتمع مع الالتزام بحقوق الحيوان علاوة على تأهيل خريجين قادرين على التعلم المستمر والمنافسة المحلية والإقليمية بما يلبي احتياجات سوق العمل.

رؤية الكلية: تتطلع كلية الطب البيطري إلى أن تكون عضوا بارزا في مؤسسة معترف بها وقيادة متميزة للتعليم والدراسات العليا والبحث العلمي والخدمات البيئية والتنمية المستدامة وتطبيق المعرفة من أجل صحة الإنسان والحيوان وسلامة الغذاء.