



Graduate Student Guide

Faculty of Veterinary Medicine - Zagazig University

2022-2023



Graduate Student Guide

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Speech by Mr. Professor/Dean of the College

My children and fellow graduate students at the college.....

In line With the mission of the College of Veterinary Medicine, Zagazig University, the college is keen to provide all the necessary support and capabilities to raise the level of performance of its graduate studies (diploma - master's - doctorate). The college's graduate studies sector is considered one of the important sectors that contribute to raising the level of scientific research, community service, environmental development, and the creation of cadres. High-level education capable of competing locally and regionally.

Therefore The college seeks to meet all quality standards for postgraduate studies and scientific research to obtain quality and accreditation from the National Authority for Educational Quality and Accreditation in the Arab Republic of Egypt to reach international standards.

God is the Grantor of success‘

Dean of the College



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Speech by Mr. Professor/Dean of the College for Postgraduate Studies and Research

My children are graduate students at the college:

I am glad I would like to extend my heartfelt congratulations to all postgraduate students, whether diplomas, masters or doctorates, and I wish you all every success and success and that you raise the profession and value of veterinary medicine in our beloved Egypt so that we may occupy the highest place in the world in our profession and in our Egypt. I am pleased to present this guide to serve as a beacon for you that describes the path you must follow during your registration for postgraduate studies (diploma - master's - doctorate) and leads to achieving quality and accreditation standards in accordance with the standards of the National Authority for Educational Quality Assurance and Accreditation.

Quality includes all teaching functions, study programs for graduate students and scientific research. We always strive by all possible means to spread the culture of quality and provide the requirements for the continuous development of university education in order to keep pace with modern scientific and technological changes and to carry out the necessary research and studies to serve the community.

and this is The guide answers your questions and inquiries about various topics of postgraduate studies.

May God grant you success and guide your steps

With my best wishes for further progress and progress.....

Vice Dean of the College for Postgraduate Studies and Research

Prof. Dr. Nosier Mohammed Al-Sayed Ahmed



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Speech by Mr. Dr. Chairman of the Graduate Studies Standard

My children are graduate students

It is a great honor for me personally to present to you the Graduate Student Guide for the Faculty of Veterinary Medicine, Zagazig University.

no doubt The college has geniuses who carried the torch of science to light the way in the field of postgraduate studies in all specialties of veterinary medicine, which contribute to addressing the problems and applications of science in various directions, whether with regard to animal diseases and their treatment, common diseases that are transmitted from animals to humans, human uses of animal food and its products, and resistance to pollution. These foods contain microbes, microbial toxins, drug residues, antibiotics, pesticides, and maintain animal and human health. The college also has effective scientific exchange with all educational and research institutions and corresponding Egyptian and foreign colleges. The College of Veterinary Medicine, with its twenty-one departments, provides an integrated scientific and research system that is comparable to the greatest colleges and the greatest universities in developed countries. It has scientific and research exchange with the most prestigious universities. It also plays an effective role in developing and quality education for accreditation by the National Authority for Education Quality and Accreditation, God willing.

We are pleased to welcome the postgraduate students and wish them success.

Head of Postgraduate Standard

Prof. DR. /Ihsan Hashem Abu Zaid Al-Sharqawi



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1. The vision, mission, and objectives of scientific research at the college

Vision

The College of Veterinary Medicine aspires to be a prominent member of a recognized institution and distinguished leadership of education, graduate studies, scientific research, environmental services, sustainable development, and application of knowledge for human and animal health and food safety.

the message

The College of Veterinary Medicine is committed to providing high-quality education in the field of veterinary medicine and related fields of human health, food safety and the environment. The college is also interested in conducting academic and applied research in addition to providing distinguished services to the community with a commitment to animal rights, in addition to qualifying graduates capable of continuous learning and local and regional competition to meet the needs of the labor market.

Objectives of scientific research at the college

1. Studying the principles of the basic sciences of veterinary medicine and the various fields related to them, and finding the skills and methods used in examining and treating animal diseases according to regional priorities and the needs of development programs in the region.
2. Developing scientific research, analysis and deduction capabilities.
3. Participating in economic development by protecting livestock from any pathogens and contributing to preparing studies on breeding and improving breeds and increasing production.
4. Contributing to protecting humans from the dangers of diseases that are common and transmitted between animals and humans.
5. Finding financial support for scientific research through the university, relevant bodies, institutions and projects.



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Therefore, the college's research plan was prepared according to the following points:

Firstly :This plan was prepared by all the councils of the college's scientific departments, in cooperation with the Directorate of Veterinary Medicine in the Eastern Province, to identify the most important field problems, through which it is possible, during the aforementioned period, to develop applicable solutions while solving the problem in an island manner, in line with the health rules followed in such circumstances.

Second :All field topics and problems of interest to the veterinary and human medicine sectors were reviewed through more than thirty topics, and the College Council decided to choose the axes of the college's research plan in line with the research axes proposed for Zagazig University 2019/2024, which depends on the problems facing Sharkia Governorate and the attempt to solve them:

the hub the first: The rate of spread of hepatitis viruses and kidney diseases in Sharkia Governorate, its causes, and methods of prevention

The second axis: Environmental pollution in Sharkia Governorate and its impact on human health, animals and plants, and modern techniques in reducing water pollution

The third axis: Applications of nanotechnology and stem cells and the possibility of activating them in early detection and treatment of diseases.

fourth Axis: Nutrition problems and obesity

the hub Fifth: Alternative and experimental medicine

Sixth axis: Modern trends in the development and health of livestock, poultry and fish

Seventh axis: Recent trends in food health and safety

Third :For each of the selected topics, the relevant scientific departments were gathered to select and implement the topic of the problem at hand through a research plan for each department for a period of two years for



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master's and doctoral registrations and four years for promotion research for faculty doctors.

Fourth : Each department presented a research plan with a list of research topics and scientific these topics (Master's - PhD) to be the department's research plan during the next five years to solve one of the selected problems.

Fifth : At the end of the strategic plan, the scientific departments advance in each field to find a mechanism of means, methods, and methods to solve the relevant problem in a solution that is applicable on the ground and eliminates the roots of the problem completely and satisfactorily.

2. The college's research plan is in line with the proposed research themes of Zagazig University 2019/2024

The first axis	The rate of spread of hepatitis viruses and kidney diseases in Sharkia Governorate, its causes, and methods of prevention
The second axis	Environmental pollution in Sharkia Governorate and its impact on human health, animals and plants, and modern techniques in reducing water pollution
The third axis	Applications of nanotechnology and stem cells and the possibility of activating them in early detection and treatment of diseases
fourth Axis	Nutrition problems and obesity
Fifth axis	Alternative and experimental medicine
Sixth axis	Modern trends in the development and health of livestock, poultry and fish
The seventh axis	Recent trends in food health and safety

Vice Dean for Postgraduate
Studies and Research,

Dean of the College

Prof. Dr. Nosier Mohammed Al-Sayed Ahmed



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3. Registration procedures for academic degrees (diploma - master's – doctorate)

First: Announcement of registration:

The college opens the door for applications for registration in postgraduate studies twice a year:

September session (from September 1 to September 30): to register for diploma, master's and doctoral degrees.

March session (from 3/1 to 3/31): for registration for master's and doctoral degrees only

Knowingly That applications submitted after this date will not be considered, and that the announcement will be made through the official newspaper by the university and the announcement at the college headquarters and the college's website.

Second: Documents required for registration:

a -The diploma

1. A temporary bachelor's degree + a copy thereof, which must be in veterinary medical sciences.
2. Approval from the employer if the graduate is working or a declaration that he is not working.
3. Position regarding conscription (military service certificate) + two copies if male.
4. Birth certificate + a certified copy thereof.
5. (4) personal photos of the applicant.
6. (2) copies of the applicant's national ID card
7. (2) Print a copy of the successful registration form on the university's website www.zu.edu.eg
8. Digital transformation basics course certificate.



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B- Master's degree

1. A transcript of grades (five years) with approval from the department head to register for a master's degree + a copy thereof. As for graduates of faculties of veterinary medicine, graduates of faculties of science and pharmacy from universities in the Arab Republic of Egypt or with an equivalent degree from other universities outside the Arab Republic of Egypt may apply in some subjects, namely (biochemistry, physiology, histology, cells, bacteriology, and virology).
 2. The rest of the papers mentioned above.
 3. (2) Print a copy of the successful registration on the university's website www.zu.edu.eg
 4. Certificate of the scientific writing course and avoiding defective quotation + a copy of it) Registration requirement
 5. Certificate of the Egyptian Knowledge Bank and Research Reference Management course + a copy of it) Registration requirement)
 6. Digital transformation basics course certificate or Indian course (unexpired - 5 years) + a copy of it (grant condition)
 7. An International TOEFL English language pass certificate with a level of no less than 500 units (a condition granted to the master's program at the university's language center, the date of which is valid at the time of registration)
1. Statement of status for the student (if the student is a faculty member or works in a government agency).

C- Ph.D

2. A master's degree in basic veterinary medical sciences in the specialty subject in which he will be enrolled from one of the Egyptian universities or an equivalent degree from another scientific institute recognized by the university, which must be approved by the head of the department to register for the doctoral degree + a copy thereof.
3. Note that the rest of the aforementioned documents are required for all degrees (diploma - master's – doctorate).



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4. (2) Print a copy of the successful registration on the university's website www.zu.edu.eg
5. Certificate of the course on using global databases + a copy of it (Registration requirement)
6. International publishing course certificate for scientific research + a copy of it) Registration requirement(
7. Digital transformation basics course certificate or Indian course (unexpired - 5 years) + a copy of it (grant condition(
8. A certificate of passing the English language (International TOEFL) with a level of no less than 500 units (a condition granted for the doctorate at the university's language center, and its date must be valid at the time of registration).
9. Statement of status for the student (if the student is a faculty member or works in a government agency).

Third: Stamps required from the student applying for registration (diploma - master's – doctorate).

1. Registration papers require (4) stamps + (1) stamp for a copy of the military service certificate.
2. The employer's approval or non-work declaration will be stamped.
3. If the applicant replaces the birth certificate or his position on conscription with an exact copy with a stamp placed on it.

Fourth: Fees required from the student (Egyptian national) applying for registration in postgraduate studies (diploma - master's - doctorate)

·Diploma fees

- 1- Fees for withdrawing the registration file + graduate studies guide (250 pounds) (payment is by visa, not cash(



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- 2- Total tuition fees (1800 pounds) paid for an academic year + (2) pounds exam entry fee + (20) pounds innovation support + (10) pounds Martyrs Fund + (10) pounds disability challenge fund + (10) pounds quality + (10) pounds Tax, bringing the total tuition fees for the academic year (1862 pounds) (fees are paid by visa, not cash).
- 3- Tuition fees are paid during the period (from 2/1 to 2/28). The student's registration will be canceled without consulting him in the event of non-payment within the specified periods .to pay

·Master's fees

- 1- Fees for withdrawing the registration file + graduate studies guide (250 pounds) (payment is by visa, not cash)
- 2- Total tuition fees (2100 pounds) paid annually + (2) pounds exam entry fee + (20) pounds innovation support + (10) pounds Martyrs Fund + (10) pounds Disability Challenge Fund + (10) pounds quality + (10) tax So the total tuition fees for the academic year become (2162 pounds) (fees are paid by visa, not cash)
- 3- Tuition fees are paid no later than 15 days from the date the university approves registration, and the student's registration is canceled without referring to him in the event of non-payment within the specified payment periods.

Doctorate fees

- 1- Fees for withdrawing the registration file + graduate studies guide (250 pounds) (payment is by visa, not cash)
- 2- Total tuition fees (2100 pounds) paid annually + (2) pounds exam entry fee + (20) pounds innovation support + (10) pounds Martyrs Fund + (10) pounds Disability Challenge Fund + (10) pounds quality + (10) tax So the total tuition fees for the academic year become (2162 pounds) (fees are paid by visa, not cash)
- 3- Tuition fees are paid no later than 15 days from the date the university approves registration, and the student's registration is canceled without referring to him in the event of non-payment within the specified payment periods.



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Fifth: Fees required from international students applying for registration (diploma - master's – doctorate)

After the student's registration is accepted by the university, he pays an amount 1100 pounds Sterling Registration fees for the first time

The fees required after that are as follows:

Firstly Diploma fees: 1,300 British pounds, paid once

Secondly Master's fees: 1,500 British pounds, paid annually

Third: Doctorate fees are 2,500 British pounds, paid annually

Sixth: Approval of registration acceptance:

Complete Sending registration papers to the relevant scientific departments to complete all the data in preparation for presenting them to the Graduate Studies Committee, then the College Council, and sending the papers of the accepted students to the university to complete the registration procedures and provide us with the final approval.

Online access link : www.vet.zu.edu.eg

Director General of Administration
for Postgraduate Studies and Research

Vice Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed



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4- Conditions for student registration to enroll in postgraduate studies

First: Master's degree in veterinary medical sciences

- He must have a bachelor's degree in veterinary medical sciences from an Egyptian university or an equivalent degree from another scientific institute recognized by the university, with a good general grade and a very good grade in the specialty subject (at least).
- Or he must have a postgraduate diploma in one of the branches of specialization with a good general grade and a very good grade in the specialty subject (at least), provided that it is one of the diploma subjects that he has previously studied and whose study hours are not less than 3 theoretical and practical hours per week.
- It is permissible to enroll in the Master of Veterinary Medical Sciences (basic) in the subjects of anatomy, embryology, histology, physiology, biochemistry, (experimental) pathology, clinical pathology, pharmacology, bacteriology, virology, parasitology, forensic medicine, and toxicology for those who hold a Bachelor of Medicine and Surgery degree from an Egyptian university or an equivalent degree from a scientific institute. Latest recognized by the university.
- Registration for the Master of Veterinary Medical Sciences in Biochemistry, Physiology, Pharmacology, Histology, Cells, Bacteriology, and Virology is permissible for students who hold a Bachelor's degree from the Faculties of Science and Faculties of Pharmacy from the universities of the Arab Republic of Egypt, or an equivalent degree from other universities outside the Arab Republic of Egypt, provided that these subjects in which the degree is registered are present. Among the subjects that the student has previously studied, so that the number of hours and the study methodology that he studied matches the study hours for these subjects in the college.
- After success in the academic courses, the student must write a thesis on a topic proposed by the Department Council and approved by the College Council. After completing his thesis within the legal period,



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the thesis is presented to the judging and discussion committee to examine it and approve the validity of the thesis after discussing it publicly.

- The period of enrollment to obtain a Master's degree in Veterinary Medical Sciences is at least two years from the date of approval by the College Council. The student may not remain enrolled for this degree for more than four years, unless the College Council decides to maintain registration for another period that it determines based on the supervisor's report and after taking the opinion of the Council. The relevant department.
 - The student must continue for a year the preparatory study decided by the College Council based on the proposal of the relevant department councils and the College's Graduate Studies Committee. This study must include- :
 - The specialty subject is 3 theoretical hours and 4 practical hours per week.
 - Research methods course: 1 theoretical hour, 3 practical hours per week.
 - A number of (2-5) graduate studies courses listed in Article (30) that are required by the nature of the research from auxiliary materials, within the limits of (10-12) theoretical and practical hours per week.
 - The student must successfully take the written, practical and oral exams in the academic courses. The exam is held twice a year and his exam is in all the courses every time he takes it. An exception is made from this for the student who failed the biostatistics and economics courses, so his re-examination in these courses will be without the other courses that he previously passed. In it, the College Council may, based on the proposal of the relevant departments, deprive the student of taking the exam if his attendance rate is less than 75% - and in the event of deprivation, he must repeat all courses and take the exam.
- 1. After his success in the academic courses, the student must lead (1) panel discussion held after the results of the preliminary examination appear and before the start of the practical part of the dissertation, in



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order to test his scientific ability in his field of specialization and the ability to follow up his practical experiences. It is attended by a committee composed of at least (5) members of professors and assistant professors, including (the supervisor or supervisors), provided that the supervisors participate with one vote, so that the committee represents the subject of specialization and the subjects related to it. The committee, after discussing the student, submits a report on his suitability to continue his research. If the student does not obtain the approval of the committee, the student will be discussed again two months after the date of the same previous committee meeting, after making the amendments proposed by the committee regarding the reference research, a maximum of three times only, after which his registration will be cancelled.

Second: Doctor of Philosophy degree in veterinary medical sciences

- That He must have a master's degree in basic veterinary medical sciences in the specialty subject in which he will be enrolled from one of the Egyptian universities or an equivalent degree from another scientific institute recognized by the university.
- The registration period for obtaining a Doctor of Philosophy in Veterinary Medical Sciences is at least three Gregorian years from the date of the College Council's approval, and the student may not remain enrolled for this degree for more than five years, unless the College Council decides to maintain registration for another period that it determines based on the supervisor's report, and after Take the opinion of the relevant department.
- In He continues for a year of supplementary studies decided by the College Council based on the proposal of the designated department councils and the College Graduate Studies Committee.
- This study should include:
- A basic doctoral course in the subject of specialization at a rate of (3) theoretical hours and (4) practical hours per week.



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- A number of (2-5) postgraduate courses listed in Article (30), courses that the student has not previously studied in the master's degree, at a rate of (10-12) theoretical and practical hours per week, including at least (4) hours of auxiliary subjects.
- To successfully take the written, practical and oral exams in the academic courses. The exam is held twice a year and his exam is in the courses in which he failed or was absent. The College Council, based on the proposal of the relevant departments, may deny the student from taking the exam if his attendance percentage is less than 75%.
- In the event that he is deprived, he must repeat the courses from which he was deprived of study and examination.
- After his success in the academic courses, the student must perform (1) panel discussion held at the beginning of the practical part of the thesis, and a qualifying exam held after completing the practical part of the thesis and before the formation of the judging and discussion committee. This is to test his scientific ability in his field of specialization and his ability to address scientific problems.
- To conduct innovative research in his thesis for a period of at least three years from the date of the College Council's approval of registering the subject.
- The College Council may, based on the recommendation of the supervisor, authorize the student to do part of the practical part of the thesis in another scientific institute recognized by the university.
- After passing the qualifying exam, he must submit a thesis accepted by the judging committee and discuss it publicly.

Discussion panel:

- It is attended by a committee composed of at least (5) members of professors and assistant professors, including (supervisor or supervisors), provided that the supervisors have one vote, so that the committee represents the subject



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of specialization and the subjects related to it. After discussion, the committee submits a report on its suitability to pursue its research.

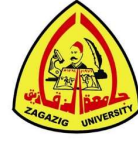
- If the student does not obtain the approval of the committee, the discussion group will be held again two months after it was held by the same previous committee, after making the amendments proposed by the committee, a maximum of three times only, after which his registration will be cancelled.

Qualifying exam:

- It is held to determine the student's academic level in his field of specialization. It is attended by a committee composed of (5) members only who are professors or assistant professors in the field of specialization.
- The doctoral student publishes one research part of his dissertation and submits it published or accepted for publication on a date prior to the approval of the formation of the judging and discussion committee by the university. This is one of the justifications for forming a judging and discussion committee.

Third: Diploma in Veterinary Medical Sciences

- In He must have a bachelor's degree in veterinary medical sciences from one of the Egyptian universities or an equivalent degree from another scientific institute recognized by the university.
- In He studies regularly according to the study schedules prepared by the college



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- progress Applications for registration to obtain a diploma during the month of September of each year.
- Duration Studying to obtain any of the postgraduate diplomas is one year, and the student may not remain enrolled for the diploma
- More than two years.
- complexity Postgraduate diploma exams are conducted twice a year, and the student takes a written, practical, and oral exam in all academic courses each time he takes it.
- For the council The college, upon the request of the relevant department councils, prohibits the student from sitting for the exam if his attendance rate is less than 75%. If he is denied, he will retake the exam in all the diploma courses in which he is registered.

5. Postgraduate programs at the Faculty of Veterinary Medicine - Zagazig University

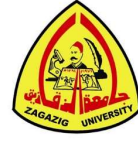
First: Doctor of Philosophy in Veterinary Medical Sciences or Ph.D. in Veterinary Medicine

1. دكتور الفلسفه فى العلوم الطبيه البيطريه تشريح الحيوان والدواجن والاجنة
1. Doctor of Philosophy in Veterinary Medical Sciences, Animal Anatomy, Poultry and Embryos
2. دكتور الفلسفه فى العلوم الطبيه البيطريه الهستولوجيا
2. Doctor of Philosophy in Veterinary Medical Sciences Histology
3. دكتور الفلسفه فى العلوم الطبيه البيطريه الكيمياء الحيويه
3. Doctor of Philosophy in Veterinary Medical Sciences and Biochemistry



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4. دكتور الفلسفه فى العلوم الطبيه البيطريه الفسيولوجيا
4. Doctor of Philosophy in Veterinary Medical Sciences and Physiology
5. دكتور الفلسفه فى العلوم الطبيه البيطريه الامراض المشتركه
5. Doctor of Philosophy in Veterinary Medical Sciences, Common Diseases
6. دكتور الفلسفه فى العلوم الطبيه البيطريه الفارماكولوجيا
6. Doctor of Philosophy in Veterinary Medical Sciences and Pharmacology
7. دكتور الفلسفه فى العلوم الطبيه البيطريه الطب الشرعي والسموم والإجراءات البيطرية
7. Doctor of Philosophy in Veterinary Medical Sciences, Forensic Medicine, Toxicology and Veterinary Procedures
8. دكتور الفلسفه فى العلوم الطبيه البيطريه الميكروبيولوجيا
8. Doctor of Philosophy in Veterinary Medical Sciences, Microbiology
9. دكتور الفلسفه فى العلوم الطبيه البيطريه الفيروولوجيا
11. Doctor of Philosophy in Veterinary Medical Sciences, Virology
10. دكتور الفلسفه فى العلوم الطبيه البيطريه الباثولوجيا
12. Doctor of Philosophy in Veterinary Medical Sciences and Pathology
13. دكتور الفلسفه فى العلوم الطبيه البيطريه الباثولوجيا الاكلينيكيه



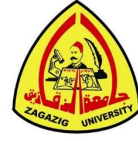
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13. Doctor of Philosophy in Veterinary Medical Sciences and Clinical Pathology
14. دكتور الفلسفه فى العلوم الطبيه البيطريه الطفيليات
14. Doctor of Philosophy in Veterinary Medical Sciences, Parasitology
15. دكتور الفلسفه فى العلوم الطبيه البيطريه امراض الاسماك ورعايتها
15. Doctor of Philosophy in Veterinary Medical Sciences, Fish Diseases and Their Care
16. دكتور الفلسفه فى العلوم الطبيه البيطريه صحه اللحوم
16. Doctor of Philosophy in Veterinary Medical Sciences, Meat Health
17. دكتور الفلسفه فى العلوم الطبيه البيطريه صحه الالبان
17. Doctor of Philosophy in Veterinary Medical Sciences, Dairy Health
18. دكتور الفلسفه فى العلوم الطبيه البيطريه الجراحه البيطريه
18. Doctor of Philosophy in Veterinary Medical Sciences and Veterinary Surgery
19. دكتور الفلسفه فى العلوم الطبيه البيطريه التوليد والتناسل والتلقيح الاصطناعى
19. Doctor of Philosophy in Veterinary Medical Sciences, Obstetrics, Reproduction and Artificial Insemination
20. دكتور الفلسفه فى العلوم الطبيه البيطريه الإقتصاد البيطري وإدارة المزارع
20. Doctor of Philosophy in Veterinary Medical Sciences, Veterinary Economics and Farm Management
21. دكتور الفلسفه فى العلوم الطبيه البيطريه التربية والإنتاج الحيوانى
21. Doctor of Philosophy in Veterinary Medical Sciences, Animal Education and Production



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- 22.دكتور الفلسفه فى العلوم الطبيه البيطريه الوراثة البيطرية والهندسة الوراثة
22.Doctor of Philosophy in Veterinary Medical Sciences,
Veterinary Genetics and Genetic Engineering
23. دكتور الفلسفه فى العلوم الطبيه البيطريه الاحصاء الحيوي
23.Doctor of Philosophy in Veterinary Medical Sciences and
Biostatistics
- 24.دكتور الفلسفه فى العلوم الطبيه البيطريه التغذية والتغذية الاكلينيكيه
24.Doctor of Philosophy in Veterinary Medical Sciences,
Nutrition and Clinical Nutrition
- 25.دكتور الفلسفه فى العلوم الطبيه البيطريه صحة الحيوان والدواجن والبيئة
25.Doctor of Philosophy in Veterinary Medical Sciences,
Animal and Poultry Health and the Environment
- 26.دكتور الفلسفه فى العلوم الطبيه البيطريه سلوكيات ورعاية الحيوان والدواجن
26.Doctor of Philosophy in Veterinary Medical Sciences,
Animal and Poultry Behavior and Care
- 27.دكتور الفلسفه فى العلوم الطبيه البيطريه امراض الطيور والارانب
27.Doctor of Philosophy in Veterinary Medical Sciences,
Diseases of Birds and Rabbits
- 28.دكتور الفلسفه فى العلوم الطبيه البيطريه الامراض الباطنه
28.Doctor of Philosophy in Veterinary Medical Sciences,
Internal Diseases



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29. دكتور الفلسفه فى العلوم الطبيه البيطريه الامراض المعديه

29. Doctor of Philosophy in Veterinary Medical Sciences and Infectious Diseases

بدءا من تسجيلات سبتمبر 2021 تم تغيير مسمى درجة الدكتوراه الى درجة الدكتوراه فى الطب البيطرى

Starting from September 2021 registrations, the name of the doctoral degree has been changed to the Ph.D. in Veterinary Medicine.

Second: Master in Veterinary Medical Sciences or Master in Veterinary Medicine

1. ماجستير فى العلوم الطبيه البيطريه تشريح الحيوان والدواجن والاجنة

1. Master's degree in veterinary medical sciences, animal, poultry and embryo anatomy

2. ماجستير فى العلوم الطبيه البيطريه الهستولوجيا

2. Master's degree in Veterinary Medical Sciences Histology

3. ماجستير فى العلوم الطبيه البيطريه الكيمياء الحيويه

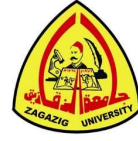
3. Master's degree in Veterinary Medical Sciences and Biochemistry

4. ماجستير فى العلوم الطبيه البيطريه الفسيولوجيا

4. Master of Veterinary Medical Sciences Physiology

5. ماجستير فى العلوم الطبيه البيطريه الامراض المشتركه

5. Master of Veterinary Medical Sciences in Common Diseases



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6. ماجستير فى العلوم الطبيه البيطريه الفارماكولوجيا
6. Master's degree in veterinary medical sciences and pharmacology
7. ماجستير فى العلوم الطبيه البيطريه الطب الشرعي والسموم والإجراءات البيطرية
7. Master of Veterinary Medical Sciences, Forensic Medicine, Toxicology, and Veterinary Procedures
8. ماجستير فى العلوم الطبيه البيطريه الميكروبيولوجيا
8. Master of Veterinary Medical Sciences Microbiology
9. ماجستير فى العلوم الطبيه البيطريه الفيروولوجيا
11. Master of Veterinary Medical Sciences in Virology
10. ماجستير فى العلوم الطبيه البيطريه الباثولوجيا
12. Master's degree in Veterinary Medical Sciences Pathology
11. ماجستير فى العلوم الطبيه البيطريه الباثولوجيا الاكلينيكيه
13. Master's degree in Veterinary Medical Sciences and Clinical Pathology
12. ماجستير فى العلوم الطبيه البيطريه الطفيليات
14. Master's degree in Veterinary Parasitology
13. ماجستير فى العلوم الطبيه البيطريه امراض الاسماك ورعايتها
15. Master's degree in veterinary medical sciences, fish diseases and care



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14. ماجستير فى العلوم الطبيه البيطريه صحه اللحوم
16. Master of Veterinary Medical Sciences, Meat Health
15. ماجستير فى العلوم الطبيه البيطريه صحه الالبان
17. Master's degree in veterinary medical sciences and dairy health
16. ماجستير فى العلوم الطبيه البيطريه الجراحه البيطريه
18. Master's degree in Veterinary Medical Sciences and Veterinary Surgery
17. ماجستير فى العلوم الطبيه البيطريه التوليد والتناسل والتلقيح الاصطناعى
19. Master's degree in Veterinary Medical Sciences, Obstetrics, Reproduction and Artificial Insemination
18. ماجستير فى العلوم الطبيه البيطريه الإقتصاد البيطري وإدارة المزارع
20. Master of Veterinary Medical Sciences, Veterinary Economics and Farm Management
19. ماجستير فى العلوم الطبيه البيطريه التربية والإنتاج الحيواني
21. Master's degree in veterinary medical sciences, animal husbandry and production
20. ماجستير فى العلوم الطبيه البيطريه الوراثة البيطرية والهندسة الوراثية
22. Master's degree in Veterinary Medical Sciences, Veterinary Genetics and Genetic Engineering
21. ماجستير فى العلوم الطبيه البيطريه الاحصاء الحيوي



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23. Master's degree in veterinary medical sciences and biostatistics

22. ماجستير فى العلوم الطبيه البيطريه التغذيه والتغذيه الاكلينيكيه

24. Master's degree in veterinary medical sciences and clinical nutrition

23. ماجستير فى العلوم الطبيه البيطريه صحة الحيوان والدواجن والبيئة

25. Master's degree in veterinary medical sciences, animal and poultry health and the environment

24. ماجستير فى العلوم الطبيه البيطريه سلوكيات ورعاية الحيوان والدواجن

26. Master of Veterinary Medical Sciences, Animal and Poultry Behavior and Care

25. ماجستير فى العلوم الطبيه البيطريه امراض الطيور والارانب

27. Master's degree in veterinary medical sciences, diseases of birds and rabbits

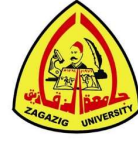
26. ماجستير فى العلوم الطبيه البيطريه الامراض الباطنه

28. Master of Veterinary Medical Sciences, Internal Diseases

27. ماجستير فى العلوم الطبيه البيطريه الامراض المعديه

29. Master of Veterinary Medical Sciences Infectious Diseases

بدءا من تسجيلات سبتمبر 2021 تم تغيير مسمى درجة الماجستير الى درجة ماجستير فى الطب البيطرى



Graduate Student Guide

Starting from September 2021 registrations, the name of the master's degree has been changed to the master's degree in veterinary medicine.

Third: Diploma level programs

1. دبلوم الإرشاد البيطري :
(Diploma of Veterinary Extension)
2. دبلوم حيوانات التجارب :
(Diploma of Laboratory Animals)
3. دبلوم الحيوانات البرية:
(Diploma of wild animals)
4. دبلوم التلقيح الاصطناعي:
(Diploma of Artificial Insemination)-
5. دبلوم أمراض الأسماك:
(Diploma of fish Diseases)
6. دبلوم الصحة العامة البيطرية:
(Diploma of Vet. Public Health)
7. دبلوم التناسليات:
(Diploma of Reproduction)
8. دبلوم أمراض الطيور والأرانب:
(Diploma of avian and Rabbit Diseases)
9. دبلوم الباثولوجيا الأكلينيكية:
(Diploma of Clinical Pathology)
10. دبلوم مراقبة الأغذية:
(Diploma of Food Hygiene)
11. دبلوم رعاية الحيوان:
(Diploma of Animal Husbandry)
12. دبلوم الحيوانات الأليفة:
(Diploma of Pet Animals)
13. دبلوم أمراض حيوانات المزرعة:



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(Diploma of Farm Stock Animals)

14. دبلوم الفارماكولوجيا والمستحضرات الطبية البيطرية:

Vet. Pharmacy (Diploma of Pharmacology and Vet. Pharmacology)

15. دبلوم الجراحة البيطرية:

(Diploma of Veterinary Surgery)

16. دبلوم المخلفات الحيوانية:

(Diploma of Animal Byproducts)

17. دبلوم تلوث البيئة:

(Diploma of Environmental Pollution)

18. دبلوم الطفيليات التطبيقية:

(Diploma of Applied Parasitology)

19. دبلوم الميكروبيولوجيا:

(Diploma of Microbiology)

20. دبلوم المناعة:

(Diploma of Immunity)

21. دبلوم التقنيات المتحفية والسمعية والبصرية لعلم التشريح والأجنة:

(Museum technique and audiovisual aids for Anatomy)

22. دبلوم فحص وتحضير الأنسجة والنسجوكيميائي والسييتولوجي:

(Diploma of examination and preparation of tissues, histochemistry and cytology)

23. دبلوم الأشعة البيطرية:

(Diploma of Radiology)

24. دبلوم الأمراض المشتركة :

(Diploma of Communicable diseases)

25. دبلوم دعاية وتسويق الدواء:

(Diploma of drug propaganda and marketing)



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26. دبلوم الفيروولوجيا:
(Diploma of Virology)
27. دبلوم تكنولوجيا الأغذية:
(Diploma of food technology)
28. دبلوم السلوكيات التشخيصية:
(Diploma of diagnostic behaviors)
29. دبلوم الوبائيات البيطرية :
(Diploma of Vet. epidemiology)
30. دبلوم الانتاج الحيوانى :
(Diploma of animal production)
31. دبلوم الوراثة والهندسة الوراثية:
(Diploma of genetic and genetic engineering)
32. دبلوم إنتاج الدواجن :
(Diploma of poultry production)
33. دبلوم الكيمياء الحيوى:
(Diploma of Biochemistry)
34. دبلوم طب المناطق الحارة للحيوان :
(Diploma of animals tropical medicine)
35. دبلوم رعاية وإنتاج الأسماك:
(Diploma of fish management and production)
36. دبلوم التغذية وأمراض سوء التغذية :
(Diploma of nutrition and nutritional deficiency diseases)
37. دبلوم السموم الأكلينيكية:
(Diploma of clinical toxicology)
38. دبلوم التشخيص الأكلينيكى :
(Diploma of clinical diagnosis)
39. دبلوم أمراض الحيوانات المجترة:



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(Diploma of ruminants animal diseases)

40. دبلوم أمراض الخيول :

(Diploma of equine diseases)

41. دبلوم إدارة المجازر :

(Diploma of management of abattoir)

42. دبلوم أمراض ورعاية خيول السباق :

(Diploma of diseases and management of racing horses)

42. دبلوم أمراض الجمال :

(Diploma of camel diseases)

43. دبلوم أمراض النعام :

(Diploma of ostrich diseases)

44. دبلوم الرعاية التناسلية :

(Diploma of Reproductive health care)

45. دبلوم الطب الشرعى :

(Diploma of Forensic Medicine)

46. دبلوم باثولوجيا الاورام البيطرية

(Diploma of Pathology of Veterinary tumors)

47. دبلوم امراض الحيوانات المنزلية

(Diploma of pet animals' diseases)

6. The following tables show the postgraduate courses for the Master's and doctoral degrees and the number of weekly lecture hours and practical and theoretical lessons for each course.

Subject	Course	The Course	The number of hours
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Graduate Student Guide

	number		Lecture	practical
Anatomy and embryology	First: Master's-:			
	1	Applied anatomy	2	2
	2	Anatomical technique and surface anatomy	2	2
	3	Bone and joint science	2	2
	4	Digestive system (comparative)	2	2
	5	Comparative genitourinary system	2	2
	6	Respiratory system (comparative)	2	2
	Second: Doctorate-:			
	7	Circulatory, lymphatic, and cardiac systems (comparative)	2	2
	8	The nervous system, specialized senses, and endocrine glands (comparative)	2	2
9	General and private embryology	2	2	
10	Bird anatomy	1	2	



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	11	Plastic	1	2
	12	mummification	1	1

	Subject	Course number	The Course	The number of hours	
				Lectrure	practical
Histology	First: Master's-:				
	13	Cell science and cell chemistry	1	2	
	14	Histology (general)	2	2	
	15	Histological and histochemical composition of the blood and lymphatic system (comparative)	1	1	
	16	Histological and histochemical composition of the body's muscles, heart, and blood vessels (comparative)	1	1	
	23	Histology of domestic birds	2	2	
	24	Fish histology	1	2	
	25	Chromosomal science and various changes	2	1	
	26	Preparatory methods for tissues and histochemistry	2	2	
	27	Preparatory methods for electron microscopy And its applications	2	2	



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28	Histological and histochemical composition of wild birds	2	2
29	Histological and histochemical composition of wild birds	2	2
Second: Doctorate-:			
17	Histological and histochemical structure of the respiratory system (comparative)	1	1
18	Histological and histochemical composition of the digestive system (comparative)	2	2
19	Histological and histochemical composition of the genitourinary system (comparative)	2	2
20	Histological and histochemical composition of the nervous and endocrine systems	2	2
21	Histological and histochemical composition for the special senses	1	2
22	The histological and histochemical composition of the skin, hoof, hoof,	2	2



Graduate Student Guide

		and nails	
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	Subject	Course number	The Course	The number of hours	
				Lecture	practical
Physiology	First: Master's-:				
		30	Endocrine physiology	2	2
		32	Bird Physiology (Advanced)	2	2
		33	Nerve and muscle physiology	2	2
		34	Ruminant physiology	2	2
		35	Environmental, localization and cell physiology	2	2
		36	Blood physiology	2	2
	Second: Doctorate-:				
		31	Reproduction for mammals	2	2
		37	Physiology of digestion, metabolism and energy	2	2
		38	Physiology of pollution	1	2
		39	Radioactive isotopes and their biological uses	2	2
		40	Physiology of altitude	1	1
		41	Fish physiology	1	2

	Subject	Course number	The Course	The number of hours	
				Lecture	practical
Biochemistry	First: Master's-:				
		42	Basics of biochemistry	2	3
		43	Nutritional metabolism	1	2



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	45	Hormone chemistry and reproduction	2	2	
	47	Clinical biochemistry	2	2	
	48	Biochemistry of birds	2	2	
	49	Biochemistry of microbes	2	2	
	51	Fish biochemistry	1	2	
	Second: Doctorate-:				
	44	Chemistry of tissues and bodily fluids	2	2	
	46	Nutrition chemistry	2	2	
	50	Radiation biochemistry	1	2	
	52	Molecular biology	2	2	
	53	Biophysics	2	2	
	54	Immunochemistry	2	1	

Subject	Course number	The Course	The number of hours	
			Lecture	practical
manners Animal parents And take care of her	First: Master's -:			
	55	Behavior and care of ruminant animals (specific courses in livestock, buffalo, sheep, goats and camels)	2	3
	56	Behavior and care of horses	2	3
	57	Behavior and care of domestic animals	1	2
		Behavior and care of laboratory animals	2	2



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	58			
		Behaviors and care of rabbits	1	2
	61			
	Second: Doctorate-:			
	59	Behavior and care of wild animals	2	2
	60	Poultry behavior and care	2	2
62	Experimental animal behaviours	1	2	

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Animal and poultry nutrition and	First: Master's-:			
	63	Nutrition basics (specific courses)	2	2
	65	Farm animal nutrition (type) (Cow and buffalo nutrition - sheep and goat nutrition - horse nutrition - camel nutrition)	2	2
	66	Feeding birds and rabbits (advanced)	2	2
	67	Feeding wild animals	1	2



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	71	Applied nutrition (qualitative)	2	2
	72	Clinical nutrition and malnutrition diseases	2	2
	73	Fish feed	2	2
	Second: Doctorate-:			
	64	Grass material	2	2
	68	Feeding experimental animals	1	2
	69	Feed additives	1	2
	70	Nutrient analysis (plant – animal)	2	2

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Pathology	First: Master's-:			
	74	General Pathology and Oncology (Advanced)	2	2
	75	Pathology of microbial and parasitic diseases of animals	2	2
	76	Pathology of malnutrition	1	2
	78	Reproductive pathology	1	2
	79	Avian pathology	2	2
	81	Toxicology pathology	2	2
	82	Surgical pathology	2	2
	85	Fish pathology	1	2



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	Second: Doctorate-:			
	77	Pathology of environmental pollution	1	2
	80	Experimental pathology	1	2
	83	Pathology of laboratory animals	1	1
	84	Genetic pathology	1	1

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Clinical pathology	First: Master's-:			
	87	Testing organ function, acid balance, body fluids, and urine.	2	2
	88	Diagnosis of blood diseases and marrow examination	1	2
	92	Clinical pathology chemistry	1	2
	Second: Doctorate-:			
	86	Clinical Pathology (Advanced)	3	2



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	89	Clinical pathology of poultry	1	2
	90	Clinical pathology of fish	1	2
	91	Clinical immunopathology	1	2

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Bacteriology, immunity and mycology	First: Master's-:			
	93	General bacteriology (advanced)	1	2
	95	Molecular biology of bacteria	2	2
	96	Bacterial and fungal toxins	1	2
	100	Bacteriology and mycology of birds and rabbits	2	2
	101	Bacteriology and mycology of invertebrates	2	2
	102	Bacteriology and mycology of farm animals	2	2
	103	Bacteriology and mycology of pets	2	2
	104	Bacteriology and fungi manufacturing in the animal field	2	2
	105	Bacteriology and mycology of fish	2	2
	Second: Doctorate-:			
	94	Special bacteriology (advanced)	3	2
	97	Basic immunity	2	2
	98	Applied and molecular immunology	2	2
	99	Advanced mycology	2	2



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Virology	First: Master's-:			
	106	General virology (advanced)	2	3
	107	Virology (private)	3	2
	108	Molecular biology of viruses	2	2
	109	Virus diagnostics	2	2
	110	Virus immunology	2	2
	113	Viruses of wild animals and birds	2	2
	114	Reproductive viruses	2	2
	117	Virology of domestic and experimental animals	2	2
	120	Virology of poultry and rabbits	2	2
	121	Fish virology	2	2
	Second: Doctorate-:			
	111	Viral vaccinology	2	2
	112	Specific viruses (cattle, buffalo, camels, horses, sheep, goats)	2	2
	115	Insect-borne viruses	2	2
	116	Cancer viruses	2	2
	118	Virus biotechnology	2	2
	119	Industrial virology in the animal field	2	2
	122	Viruses pollute the environment	2	2



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Parasites	First: Master's-:			
	123	Veterinary medical insects	2	2
	124	Worms	2	2
	125	Protozoa	2	2
	126	Parasites of birds and rabbits	2	2
	129	Clinical parasitology	2	2
	130	Parasites of wild animals	2	2
	133	Fish parasites	2	2
	134	Reproductive system parasites	2	2
	136	Parasites common to humans and animals	1	1
	Second: Doctorate-:			
	127	Snails and their medical importance	2	2
	128	Parasitic immunity	2	2
	131	Veterinary parasitology	2	2
	132	Physiology and chemistry of parasites	2	2
	135	Parasites as a source of environmental pollution	1	2
	137	Genetic engineering to diagnose parasites	2	2
	138	General parasitology (advanced)	2	2



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Pharmacology	First: Master's-:			
	139	General Pharmacology (Advance)	2	2
	142	Anesthesia pharmacology	2	2
	143	Device pharmacology	2	2
	145	Pharmaceutical hormones	1	2
	146	Chemotherapy	2	2
	147	Biological evaluation of the drug	1	1
	152	Fish pharmacology	2	2
	153	Pharmaceuticals	2	2
	154	Pharmaceutical marketing and media	2	1
	Second: Doctorate-:			
	140	Pharmacology of the autonomic nervous system and topical hormones	2	2
	141	Pharmacology of the central nervous system	2	2
	144	Metabolic pharmacology	2	2
	148	Immunopharmacology	2	1
	149	Drug interaction	2	1
	150	Clinical pharmacology	2	2
	151	Medication residue	2	1



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Dairy health and technology	First: Master's-:			
	156	Microbiology of dairy products	2	2
	157	Technology and preservation of dairy products	2	2
	158	Food analysis (qualitative assessments of dairy products - eggs, oils and fats)	2	2
	159	Food poisoning	1	2
	Second: Doctorate-:			
	155	Health control of dairy products (advanced)	2	2
	160	Specific courses (in milk contamination - milk production disorders - diseases transmitted through milk and its products - suitability of eggs, oils and fats)	2	2
	161	Sanitary affairs for dairy factories	2	2
	<i>Subject</i>	Course number	The Course	The number of hours
Meat health and technology			An opinion	practical
	First: Master's-:			
	162	Health of the slaughtered animal	1	2
	164	Health control of meat and its products	2	2
	165	Inspection of poultry and rabbit meat	1	2



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166	Food technology (specific courses in: meat technology - poultry technology - fish technology)	1	2
167	Microbiology of meat, fish, poultry and their products	2	2
169	Analysis of meat, fish, poultry and their products	2	2
172	Forced slaughter	1	1
173	Meat contaminants (chemical residues)	2	2
Second: Doctorate-:			
163	Health and management of slaughterhouses	2	2
168	Animal waste (advanced)	2	2
170	Preserving meat, poultry, fish and their products	2	2
171	Sanitary affairs for meat, fish and poultry factories	2	2
174	Food packaging	1	1



Graduate Student Guide

Subject	Course number	The Course	The number of hours		
			Lecture	practical	
Internal diseases	First: Master's-:				
	175	General Medicine (Advanced)	2	2	
	176	Ruminant animal diseases, specific courses (cattle, buffalo, camels, sheep, goat)	3	3	
	177	Diseases of the equine species	2	2	
	178	Domestic animal diseases	2	2	
	179	Diseases of wild animals	2	2	
	180	Metabolic disorders diseases	2	2	
	182	skin diseases	1	2	
	184	Stress diseases in animal transport	1	2	
	Second: Doctorate-:				
	176	Ruminant animal diseases, specific courses (cattle, buffalo, camels, sheep, goats)	3	3	
	181	Nutritional deficiency diseases	2	2	
	183	Diseases of newborn animals	2	2	
	185	Clinical diagnosis of internal diseases	2	2	



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Infectious diseases	First: Master's-:			
	186	Infectious cattle diseases	2	3
	187	Infectious diseases of sheep and goats	2	2
	188	Infectious beauty diseases	2	2
	189	Infectious diseases of horses	2	2
	190	Infectious domestic animal diseases	2	2
	191	Laboratory animal diseases	1	2
	192	Udder and calf diseases	2	2
	Second: Doctorate-:			
	193	Infectious diseases of buffalo	2	3
	194	Infectious diseases of wild animals	2	2
	195	Clinical diagnosis of infectious diseases	2	2
	196	Infectious diseases (general)	2	3



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Medicine Forensic, toxicological and veterinary procedures	First: Master's degree			
	199	Environmental toxins	2	2
	201	Laboratory diagnosis of toxins	2	2
	202	Drug toxicity	1	2
	Second: Doctorate-:			
	197	Forensic Medicine and Veterinary Procedures (Advanced)	2	2
	198	General toxicology (advanced)	2	3
	200	Toxins from a forensic medical point of view	2	2



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Obstetrics and reproductive diseases and inoculation Artificial	First: Master's-:			
	203	Lack of fertility and stress	2	2
	204	Advanced reproduction in females, specific courses (in ruminants, equine species, camels, domestic and aquatic animal)	2	2
	205	Advanced Andrology Specific courses (in ruminants, equine species, camels, and domestic and aquatic animals)	2	2
	206	Obstetrics, specific courses (in ruminants, horses, camels, and domestic and aquatic animals)	2	3
	207	Artificial insemination specific courses (in ruminants, horses, camels, domestic and aquatic animals)	2	3
	208	Reproduction and immunity	2	2
	Second: Doctorate-:			
	209	Biotechnology in reproduction, specific courses (in ruminants, equine species, camels, and domestic and aquatic animals)	2	2
	210	Reproductive evaluation of farms	2	1
	211	Reproduction in wild animals	2	2
	212	Reproduction in aquatic animals	2	2
	213	Genetic engineering for reproduction	2	2



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Subject	Course number	The Course	The number of hours	
			Lecture	practical
Surgery, anesthesia and radiology	First: Master's:-			
	214	General Surgery (Advanced)	2	3
	215	Special surgery (organs)	2	3
	219	Experimental surgery	1	2
	220	Anesthesia	1	2
	221	Radiology and ultrasound	1	2
	223	Endoscopic Surgery	1	3
	Second: Doctorate:-			
	216	Eye, nose, ear and throat surgery	1	2
	217	Gastrointestinal surgery	1	2
	218	Leg surgery, hoof and hoof diseases	2	2
	222	Urinary and reproductive system surgery	1	2
	224	Lasers and their uses in veterinary surgery	1	2
	225	Modern methods of surgical diagnosis using CT scan and MRI	1	3



Graduate Student Guide

Subject	Course number	The Course	The number of hours		
			Lecture	practical	
Diseases of birds and rabbits	First: Master's:-				
	227	Bacterial poultry diseases	2	2	
	228	Viral poultry diseases	2	2	
	229	Fungal diseases of poultry	2	2	
	231	Nutritional deficiency diseases	1	2	
	235	Rabbit diseases (advanced)	2	2	
	236	Viral diseases of rabbits	1	2	
	239	Nutritional deficiency diseases in rabbits	1	2	
	Second: Doctorate:-				
	226	Poultry diseases (advanced)	2	2	
	230	Parasitic diseases of poultry	2	2	
	232	Specific bird diseases (chickens, ducks, quail, turkeys, ostriches, wild and migratory birds, ornamental birds)	3	3	
	233	Laboratory diagnosis of poultry diseases	2	2	
	234	Preventive vaccines for poultry	2	2	
	237	Parasitic diseases of rabbits	2	2	
	238	Bacterial diseases of rabbits	2	2	



Graduate Student Guide

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Animal and poultry health and the environment	First: Master's:-			
	240	Farm Animal Health (Advanced)	2	2
	241	Poultry Health (Advanced)	2	2
	242	Environmental health and pollution	2	3
	243	Control of epidemic diseases	2	2
	244	Resistance to rodents and disease vectors	2	2
	246	Animal housing health (specific courses in livestock housing/horse housing/poultry housing/rabbit housing/domestic animal housing/laboratory animal housing)	2	2
	247	Disinfectants and disinfection	2	2
	Second: Doctorate:-			
	245	Pesticides and public health	2	2
	248	Study of the occurrence and spread of diseases/epidemiology (specific courses in: animal epidemiology - bird epidemiology)	2	2
	249	Heavy metals and public health	2	2
	250	Veterinary health systems	2	2



Graduate Student Guide

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Veterinary genetics and genetic engineering	First: Master's:-			
	259	Cytological inheritance	2	1
	260	Molecular genetics and genetic engineering	2	1
	261	Physiological and pharmacogenetics	2	1
	262	Radiological and chemical genetics	2	2
	263	Poultry genetics	2	2
	265	Fish genetics	2	1
	Second: Doctorate:-			
	264	Inheritance of microorganisms	1	2
	266	Animal disease genetics and immunity	2	1
	267	Behavior inheritance	1	1
	268	Inheritance of mutations and environmental pollution	2	1



Graduate Student Guide

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Common diseases	First: Master's:-			
	252	The role of rodents and wild animals in transmitting common diseases	2	2
	253	The role of birds in transmitting common diseases	2	2
	254	The role of fish in transmitting common diseases	2	2
	256	The role of insects in transmitting common diseases	2	2
	Second: Doctorate:-			
	251	Common Diseases “Advanced”(specific courses in: bacterial and fungal diseases - viral diseases - parasitic diseases – rickettsia)	2	2
	255	Common foodborne bacterial and viral diseases	2	2
	257	Immune response to human exposure to common diseases	2	2
	258	Common occupational diseases for veterinarians	2	2



Graduate Student Guide

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Animal breeding and production	First: Master's:-			
	270	Poultry breeding and production	2	2
	271	Fish breeding and production	2	1
	272	Breeding and production of dairy cattle	2	2
	274	Breeding and production of sheep and goats	2	2
	275	Rabbit breeding and production (advanced)	2	2
	280	Clan inheritance (advanced)	2	1
	Second: Doctorate:-			
	269	Animal breeding and production	2	2
	273	Breeding and production of beef cattle	2	2
	276	Breeding and production of domesticated birds (ostriches, quail, turkeys, ducks, geese)	2	2
	277	Genetic improvement	2	1
	278	Wool production and technology	2	1
	279	Breeding and production of horses - buffalo - camels	2	2



Graduate Student Guide

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Biostatistics	First: Master's:-			
	281	Biostatistics (advanced)	2	2
	282	Design experiments	2	2
	Second: Doctorate:-			
	283	Computer and information processing	2	2

Subject	Course number	The Course	The number of hours	
			Lecture	practical
Veterinary economics and farm management	First: Master's:-			
	285	Economics of dairy farms	2	2
	287	Economics of poultry production farms	2	2
	289	Feasibility studies	2	1
	Second: Doctorate:-			
	284	Economics of livestock production farms and marketing	2	2
	286	Economics of meat production farms	2	2
	288	Economics of fish farms	2	1



Graduate Student Guide

Subject	Course number	The Course	The number of hours		
			Lecture	practical	
illnesses Fish and their care	First: Master's:-				
	291	Fish diseases (advanced)	2	2	
	292	Fish farms	2	2	
	296	Diseases caused by pollution and chemical poisoning	1	2	
	297	Laboratory diagnostic methods for diseases of fish and crustaceans	1	2	
	Second: Doctorate:-				
	290	Fish biology	2	2	
	293	Breeding and caring for fish	2	2	
	294	Immunodeficiency diseases in fish	1	2	
	295	Nutritional deficiency diseases in fish	1	2	

7. Examination and student evaluation system

The system of examination and success of the student in the prescribed postgraduate studies shall be as follows:

- A- The written exam time is estimated at three hours for each course whose weekly study hours are 3 hours or more and 2 hours less than that.
- B - The maximum grade is estimated at one hundred points for each course whose weekly study hours are 3 hours or more and fifty points for less than that. These grades are distributed at a rate of 50% for the written exam, 50% for the oral and practical exams.
- C- The student's success in each course is estimated by one of the following estimates

Prominent %90 or more of the total grades



Graduate Student Guide

very good %80 or more of the total grades

good %70 or more of the total grades

popular %60 or more of the total grades

The student will fail with one of the following grades- :

-Weak From 45% to less than 60% of the total grades.

Very weak, less than 45% of the total score: 0

8 .Mechanism for submitting a request to review a student's exam grades based on university instructions

Based on the Course of the University Council in Session No. 392 dated 1/27/2009 regarding students 'petitions to review the results of the examinations, the following mechanism procedures will be implemented:

- 1 -The student submits the petition within one month of the announcement of the result.
- 2 -The student pays 100 pounds to the college treasury for each subject.
- 3 -Applications are collected by the Department of Postgraduate Studies, accompanied by a copy of the payment voucher, and submitted to Mr. Prof./Dean of the College for Postgraduate Studies and Research.
- 4 -The student's grades are reviewed through the committee formed for this purpose under the chairmanship of Mr. Prof./Dean of the College and the membership of Mr. Prof./Dean of the College for Postgraduate Studies and Research and Mr. Prof./Head of Control.
- 5 -The student will be notified of the result of grade review by the Graduate Studies Administration within two weeks of submitting the application.

Vice Dean of the College for Postgraduate Studies and Research

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed



Graduate Student Guide

Request a petition.

Mr. Professor Dr. Dean of the College

After Greetings....

Please Kindly approve my request to consider verifying the monitoring of grades in the postgraduate courses (Diploma.....), (Master's.....), (PhD.....) the following:

- 1-
- 2-
- 3-
- 4-

And Yours sincerely.....

Submitted to you

Edited in:

Receipt No.: Name:

the signature:



Graduate Student Guide

9.Samples of papers required for registration and completion of the dissertation.

Zagazig University

College of Veterinary Medicine

Postgraduate studies and research

Request for registration to the degree.....

Data carefully edited by the student:

Name (triple according to birth certificate) :

.....

Father's name:

.....

date of birth:.....Place of birth :

.....

Religion:.....Nationality :

.....

Grades obtained by the student and their history:

Degree date:.....General grade:.....Grading of the specialty subject..... :

1.....

2.....

3.....

Student work title:phone number.....:

Student residence address:phone number.....:



Graduate Student Guide

Mr. Professor Dr./Dean of Veterinary Medicine - Zagazig University

After Greetings,,,,,,,,,

I have the honor to submit this request, requesting your kind approval to enroll me in graduate studies at the college during the academic year / To obtain a degree:

Attached are the required papers. I pledge to pay the prescribed fees on the specified dates. I declare that I am not registered for any other university degree, and my right to enrollment is forfeited if I prove otherwise.

Done in: / / Student signature

directions..... :

The following is attached to this application:

- 1- The accredited certificate indicating the acquisition of the academic degree.
- 2- Birth certificate or an extract from them.
- 3- photos, size 4X6.
- 4- Approval of the student's employer to join this study - and military personnel (worker - recruited - retained) by submitting the approval of the relevant guidance department for the armed forces - education affairs.



Graduate Student Guide

Zagazig University

College of Veterinary Medicine

Postgraduate studies and research

Student registration for (Master's) (PhD) degree

student's name-----: -

Specialized Section-- -----: -----

Specialization -----:

Research topic in Arabic-----: -----

Research topic in English-----: -----

Brief research plan-----: -----

M	Article	Course name	Course number	Number of hours	
				theoretical	practical



Graduate Student Guide

Names of the gentlemen supervising the thesis

Professor/-----

-----the signature

Professor/-----

-----the signature

Professor/-----

-----the signature

The Department Council decided at its session held in / 200 /
Approval to accept the student ----- into postgraduate studies for the
academic year 200/200, provided that the supporting materials are-----:

Student signature

Done in/ : / 200 Head of Department



Graduate Student Guide

Zagazig University

College of Veterinary Medicine

Postgraduate studies and research

Statement of status of a student applying for postgraduate studies

The name.....:

date of birth

Student address

.....

Address outside the country (expats)

Statement of qualifications: specialty General appreciation the date
the college Name and rating of the specialty subject

1.....

2.....

Job/employer/

Type of work and length of experience-----/

Type of study/PhD- Master's - Pre-Master's - Diploma

Research topic: Supervisory Committee

In the arabic language-----

Mr. Dr----- /

----- Mr. Dr----- /

----- Mr. Dr----- /

----- Mr. Dr----- /

in English-----



Graduate Student Guide

Studies assigned to the student

----- -2 ----- -1

----- -4 ----- -3

----- -6 ----- -5

The College Council approved at its session held in... / /200for
student registration

Director General of Administration, General Director of the College, Vice
Dean for Graduate Studies Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed
Prof. Dr. Nasr Abdel Wahab Muhammad



Graduate Student Guide

Zagazig University

College of Veterinary Medicine

Postgraduate studies and research

Request for registration for a diploma degree/ general:

Data carefully edited by the student:

the name..... Father's
name.....

Date and place of birth:..... Religion:
.....

Educational qualification: Bachelor of Veterinary Medical Sciences

Entity and date of obtaining it: University----- Role-----

Function--- : Telephone number, if any :
.....

Student residence address :
.....

Mr. Professor Dr./Dean of Veterinary Medicine - Zagazig University

After Greetings,,,,,,,,,

I have the honor to submit this application, requesting your kind approval to enroll me in postgraduate studies this academic year to obtain a diploma-----:

The following papers are attached:

- 1- Certificate of obtaining a bachelor's degree.
- 2- Birth certificate or an extract from them.
- 3- Approval of the employer - approval of the management of the Organization and Training Authority, Missions Branch in Cairo



Graduate Student Guide

- 4- A declaration not to enroll in any other university degree
- 5- recent photographs
- 6- A copy of the national ID card

I also pledge to pay the prescribed fees within a month of accepting my papers, otherwise my right to registration will be forfeited

Please accept, Your Excellency, the utmost respect,,,,,,,,,,,,,,,,,,,,,

Student signature -----:

Personal/family card number -----:

Date of approval by the Graduate Studies Committee	College Board approval date	Date of approval by the University Council

Endorsement

Read the website below: BD-----/

Which I work in-----

I am not registered for any degree at any other university.

This is my acknowledgment of that.

Headquarters including

the signature-----/

the name-----/



Graduate Student Guide

Zagazig University

College of Veterinary Medicine

Postgraduate studies and research

Statement of the status of a student applying for postgraduate studies
(diploma)

the name.....:

date of birth.....:

Student address.....:

Address outside the country (expats)

Statement of qualifications: General grade history college

far off University of veterinary medicine

1- Bachelor of Veterinary Medical Sciences

2-

Position: Employer:

Type of study: Diploma

Studies assigned to the student

1-

2-

3-

4-

5-

6-

7-

The College Council approved at its session held in/ / 200 upon
student registration

Director General of Administration, General Director of the College, Vice
Dean for Graduate Studies Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed

Prof. Dr. Nasr Abdel Wahab Muhammad



Graduate Student Guide

Zagazig University

(Timetable for obtaining a degree)

in..... /

Student name:

Scientific Department: Date of College Council Approval:

M	Stages of implementing the research station	Estimated time (per month)	Current position in Day/month/year	comments
1	Study courses			
2	Compilation of previous studies (Review)			
3	Experimentation stage (laboratory/field)			
4	Collecting and recording statistical data			
5	Analysis Anostatistical data			
6	Preparing and writing the message			
7	Review of the thesis by the supervisory committee			
8	Qualifying exam (PhD stage)	WRITTEN ORAL		
9	Forming a committee to judge the thesis			
10	Discussing and completing grant procedures			



Graduate Student Guide

Name Admin Supervisor's signature, head of department

(1)

(2)

(3)

(4)

Student academic follow-up report

during the period from/ /to

(1) Basic data

student's name/ date of registration/

scientific department/ Scientific specialization/

Registered degree End date of last term/



Graduate Student Guide

Message title (Arabic)

Message subject (English)

(2) Presence Follow-up with the Supervisory Committee (complete)

() popular () irregular

(3) Compilation of previous studies (reference review) (at its beginning)
(progress has been made) (completed)

(4) Experimentation phase (laboratory/field) (at the beginning () make
progress () done)

(5) Collecting and recording data and statistics () in its beginning ()
make progress () done)

(6) Statistical analysis of data (in its infancy) (progress has been made)
(completed (

(7) (Get search results) in its beginning () make progress () done

(8) Preparing and writing the thesis (at the beginning () make progress
() done)

(9) Review of the thesis by the committee (at the beginning () make
progress () done)

(10) other notes



Graduate Student Guide

Scientific supervision committee for the thesis:

M	the signature	the signature	the signature
1			
2			
3			



Graduate Student Guide

Chairman of the Department Council
Zagazig University
College of Veterinary Medicine

A report on the suitability of the thesis for presentation to the judging committee

student's name:
scientific department:
Scientific specialization:
Registered degree:
Message title (Arabic):

Message title (English):

Scientific Supervision Committee:

M	Supervisor name	Valid for viewing on The Commission	Not valid for presentation to the committee	the signature

The following is attached to this report:

- (1) Summary of the thesis (3 pages) in Arabic and English.
- (2) A brief summary (one page) in Arabic and English.



Graduate Student Guide

In both cases, the signature of the members of the committee supervising the aforementioned papers is required .

Chairman of the Department Council, Dean of the College

In the name of God, the most gracious, the most merciful

Zagazig University

College of Veterinary Medicine

Request a proposal from the judging and discussion committee

student's name:

scientific department:

Scientific specialization:

Registered degree:

Message title (Arabic):

Message title (English):

The governance committee proposed by the supervisory committee:

M	the name	Function	the signature
1			
2			
3			
4			
5			



Graduate Student Guide

Scientific Supervision Committee:

M	the name	Function	the signature
1			
2			
3			
4			

Chairman of the Department Council

Approval of the Department Council to form the governance committee

Zagazig University

college:

Type:



Graduate Student Guide

Mr. Professor Dr. / Vice Dean of the College for Postgraduate Studies
and Research

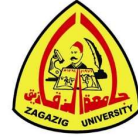
After Greetings,,,,,

I am honored to report that the Department Council is in its
meeting on... OK \ 200\He agreed to form a committee to
judge the student's thesis\

Registered to obtain a degree: Based on the proposal of the Supervisory
Committee

Members of the judging committee

M	the name	Function	the signature
1			
2			
3			
4			
5			



Graduate Student Guide

Chairman of the Department Council

Form code

Research data collection form

Master's degree Ph.D

University: University code:

College: College code:

Section: Department code:

Researcher and research data:



Graduate Student Guide

Researcher code: Search code :

Name of the researcher (in Arabic):

(in English):

male feminine

Date of birth: Place of birth. :

residence:

Academic degrees obtained	the university	the college	Section	Grant date	Appreciation
1					
2					

Position: Teaching Assistant

male feminine



Graduate Student Guide

Employer: Work sector: general special

Registration date for the degree: Date of obtaining the degree :

..... /...../.....

Appreciation..... :

** Please leave the rectangle codes in the form empty**

Graduate Studies Head of Department

Vice Dean of the College for Graduate Studies

Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed

Prof.

Dr. Nasr Abdel Wahab Muhammad

Research field:

Message language: Arabic-English

General specialty (Arabic): A

(English): Subspecialty (Arab)

(English)

Message title (Arabic)

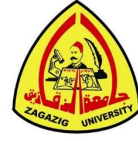
(English)

**Information about supervisors:

1-Supervisor's name (Arabic):

(English) Function

. Employer:



Graduate Student Guide

Date of beginning of supervision/ : /
Supervision end date: / /

2- Supervisor's name (Arabic):

(English:)

Function: Employer:

Date of beginning of supervision/ : / Supervision end date: / /

3-Supervisor's name (Arabic):

(English):

Function . : Employer:

Date of beginning of supervision/ : /
Supervision end date: / /

Graduate Studies Head of Department

Vice Dean of the College for Graduate Studies

Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed
Dr. Nasr Abdel Wahab Muhammad

Prof.

-

-

-

Data with guiding words in the language of the message:

-

-

-

-

Summary of the research (in no more than ten lines in the language of the message:)



Graduate Student Guide

Graduate Studies Head of Department

Vice Dean of the College for Graduate Studies

Dean of the College

Prof. Dr. Naseer Mohammed Al-Sayed Ahmed
Wahab Muhammad

Prof. Dr. Nasr Abdel

Academy of Scientific Research and Technology

National Information Network

General Administration of Scientific Statistics

Academic dissertation inventory form

Personal Data

Name of researcher: Employer:

First university qualification and its
history

:Specialization:

Message data(Title):

In the arabic language:

in English:

Exact specialization of the thesis:

In the arabic language:

in English

Registration body:

Message language:

Degree:

Year obtained:



Graduate Student Guide

Moderators

the name	Function	the address

Name of form editor: Signature: Date:

Zagazig University

College of Veterinary Medicine

Letter summary template

the name:

Specialization :



Graduate Student Guide

Degree:

Message Subject:

In the arabic language:

in English:

Message summary: in Arabic:

Summary of the message in English:

-
-
-
-

The message summary must be in Arabic and English, with no more than ten lines for each.

Zagazig University Error Correction Form



Graduate Student Guide

College of Veterinary Medicine

Type:

Mr. Professor Dr./Dean of the College for Postgraduate Studies and Research

After Greetings. . .

We have the honor to inform you that the student

Registered degree: With an oath All errors and observations raised by the members of the judging committee have been corrected, and the thesis has become valid for granting an academic degree and including it in the university and college library.

Members of the dissertation judging committee:

M	the name	the signature
1		
2		
3		
4		

And Yours sincerely.



Graduate Student Guide

Chairman of the Department Council

Zagazig University

Faculty of Veterinary Medicine

Postgraduate Affairs

Veterinary Medicine Postgraduate Academic Standards

Introduction:

Since the postgraduate programmes are concerned in improving the identity of postgraduate students. The national authority for quality assurance and accreditation of education (NAQAAE) issued a generic NARS for postgraduate programmes in universities. These academic standards are higher than those of undergraduates.

The faculty of Veterinary Medicine- Zagazig University approved the postgraduate NARS (NAQAAE, March 2009) and academic standards for its postgraduate programmes in April 12th, 2010. Consequently the programme and course specifications must be reviewed to fulfill the postgraduate NARS as well as achieve faculty mission and support its competency.

The academic standards for postgraduate programmes in Veterinary Medicine

I- Diploma Degree

Postgraduate attributes:



Graduate Student Guide

The diploma of Veterinary Medical Sciences aims to:-

1. Preparation of qualified graduates for the requirements of the veterinary and public health labor market.
2. Application of specialized knowledge acquired by the graduate to professional practice.
3. Development of communication skills and work in a team.
4. Development of professional skills of criticism and analysis based on scientific bases.
5. Development of the skills for identification and solving veterinary and related problems of the surrounding community and employment available resources
6. Development of information technology skills.
7. Awareness of graduate role in community development and environment protection.
8. Understanding the need for self-development and engagement in continuous learning.
9. Qualification for admission to further postgraduate programmes (Master in Veterinary Medical Sciences).

A- Knowledge and understanding:-

By the end of Diploma program, the postgraduate should acquire the following knowledge and understanding:

- 1- Specialized hypotheses, theories and principles in the veterinary and public health practice and other career related science.
- 2- Veterinary professional practice regulations and ethics.
- 3- Quality principles and basics in veterinary professional practice.



Graduate Student Guide

4- Awareness about community developments and protection of environment.

B- Intellectual skills

By the end of Diploma program, the postgraduate should be able to:

- 1- Identify and analyze veterinary problems and their priorities.
- 2- Solve veterinary problems of the surrounding community.
- 3- Read and understand the veterinary papers.
- 4- Evaluate the veterinary risks.
- 5- Make a Course based on available information.

C- Professional and practical skills

By the end of Diploma program, the postgraduate should be able to:

- 1- Apply distinguished veterinary professional skills.
- 2- Write efficiently the veterinary professional reports.

D- General and transferrable skills

By the end of Diploma program, the postgraduate should be able to:

- 1- Insure effective communication.
- 2- Utilize the information technology (IT skills) in the development of veterinary professional practice.
- 3- Practice self-evaluation and need assessment.
- 4- Utilize different available resources for efficient obtaining of knowledge and information.
- 5- Mange time and work in research group.
- 6- Lead a team work in a certain professional task.
- 7- Own continuous and self-learning.



Graduate Student Guide

II- Master Degree

Postgraduate attributes:

The master programs of Veterinary Medical Sciences aim to:

- 1- Efficiently use the most recent techniques and improve the skills of scientific research.
- 2- Collect, manage and analyze the scientific data in veterinary practice.
- 3- Be aware about his role in community development and environment protection, regarding the national and international changes.
- 4- Detect and solve the veterinary and environmental problems based on scientific and research evidence.
- 5- Efficiently use and improve the available resources for high benefit achievements.
- 6- Develop communication skills and improve scientific co-operation in research groups.
- 7- Improve the academic and professional self capabilities and IT skills.
- 8- Create and manage a scientific environment.
- 9- Write the dissertation, scientific papers and apply for scientific projects.
- 10- Have a commitment to veterinary professional practice regulations and ethics.

A. Knowledge and understanding



Graduate Student Guide

By the end of the Master program, the postgraduate should acquire the following knowledge and understanding:

- 1- Advanced concepts in veterinary and public health practice and other career related sciences.
- 2- The veterinary professional practice and its relation to environmental protection and developing.
- 3- Up to date veterinary research.
- 4- Veterinary professional practice regulations and ethics.
- 5- Quality principles and basics in veterinary professional practice.
- 6- Scientific research principles and ethics

B. Intellectual skills

By the end of the Master program, the postgraduate should be able to:

- 1- Evaluate analytically the veterinary information for problem solving.
- 2- Solve veterinary problems with inadequacy of some resources.
- 3- Integrate different knowledge to solve veterinary professional problems.
- 4- Design a scientific research plan.
- 5- Evaluate the veterinary risks.
- 6- Plan for enhancing veterinarian performance.
- 7- Make a Course in variable professional and research practice.

C- Professional and practical skills

By the end of the Master program, the postgraduate should be able to:

- 1- Masterly perform the recent veterinary professional practice.
- 2- Write and evaluate the veterinary professional reports.



Graduate Student Guide

3- Evaluate the available and required material, tools and equipment in veterinary research projects.

4- Efficiently write scientific paper and dissertation.

D- General and transferrable skills

By the end of the Master program, the postgraduate should be able to:

1- Effectively communicate and use of information technology in the development of veterinary professional practice.

2- Own Self-evaluation and need assessment.

3- Utilize different available resources for efficient obtaining of knowledge and information.

4- Issue the regulations and indicators for performance evaluation.

5- Manage time efficiently and work in research groups.

6- Lead a team work in different professional practice.

7- Have continuous and self-learning.

III- PhD Degree

Postgraduate attributes:

The PhD programs of Veterinary Medical Sciences aim to:

1- Mastering the skills and management of scientific research.

2- Continuous working for increasing knowledge in veterinary professional practice.

3- Mastering the various methods of data collection and application of analytical and critical approach in relevant specialty

4- Integration of specialized and related knowledge to conclude and develop the interdisciplinary relations.



Graduate Student Guide

- 5- Awareness about current veterinary and public health problems and recent related approaches.
- 6- Mastering the identification of problems and finding solutions based on sound scientific research concepts.
- 7- Development of appropriate use of modern techniques and applications for mastering a wide range of veterinary professional skills
- 8- Development of communication and IT skills effectively and leading the team.
- 9- Efficiently utilizing the available resources and improving as well as offering new resources.
- 10- Course making based on available information.
- 11- Awareness of the postgraduate role in community development and environment protection.
- 12- Commitment to veterinary professional practice regulations and ethics.
- 13- Continuous, self-learning and experience transfer.
- 14- Planning and steering the progress of research projects
- 15- Mastering the skills of writing dissertations and scientific papers.

A. Knowledge and understanding

By the end of the PhD program, the postgraduate should acquire the following knowledge and understanding:-

- 1- Up to date concepts in veterinary and public health practice and other career related sciences.



Graduate Student Guide

2- Advanced veterinary scientific research principles, regulations, ethics and its different tools.

3- Up to date veterinary professional practice regulations and ethics.

4- Quality control in veterinary professional practices.

5- Efficient awareness about veterinary professional practice effects on community development and environment protection

B. Intellectual skills

By the end of the PhD program, the postgraduate should be able to:

1- Analyze and evaluate relevant veterinary information for standardization and conclusion.

2- Solve specialized veterinary and community problems by utilizing available resources.

3- Perform scientific research studies with applied impact.

4- Edit scientific papers with high impact factor (reputable journals).

5- Assess the risk in veterinary professional practice.

6- Plan for the improvement of veterinary performance.

7- Make a Course making in variable professional practices.

8- Invent and innovate.

9- Do open discussion based on evidence.

C- Professional and practical skills

By the end of the PhD program, postgraduate should be able to:

1- Master the up to date recent veterinary professional skills.

2- Write and assess the veterinary professional reports.



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- 3- Evaluate and improve the available and required material, tools and equipment in veterinary research projects.
- 4- Utilize the up to date technology in veterinary professional and research practice.
- 5- Utilize the regulations and indicators for performance evaluation.

D- General and transferrable skills

By the end of the PhD program, the postgraduate should be able to:

- 1- Communicate effectively and utilize the advanced information technology in the improvement of veterinary professional practice.
- 2- Educate the others and evaluate their performance.
- 3- Own self-evaluation and discipline with continuous learning.
- 4- Utilize the resources to obtain knowledge and information.
- 5- Work in research group and lead a team work in different veterinary professional and research practice.
- 6- Manage the scientific meetings and discussions.
- 7- Manage the time efficiently.

Veterinary Medicine careers fields

- 1- Private diagnostic clinics and laboratories
- 2- University veterinary hospitals
- 3- Private veterinary hospitals
- 4- Poultry abattoirs
- 5- Food animal abattoirs
- 6- Fish and fish products processing plants
- 7- Poultry and poultry products processing plants
- 8- Meat and meat products industry
- 9- Milk and milk products industry



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- 10- Governmental veterinary clinics and hospitals
- 11- Animal Zoo
- 12- Poultry farms
- 13- Fish farms
- 14- Equine farms
- 15- Large animal farms
- 16- Small animal farms
- 17- Laboratory animal farms
- 18- Poultry hatcheries
- 19- Nature reserve (protected areas)
- 20- Food inspection in hotels, restaurants, airports, markets, hostels and hospitals
- 21- Laboratory quality control
- 22- Agriculture education.
- 23- Automated animal, poultry and fish feed manufacture
- 24- Veterinary quarantine
- 25- Environmental protection and public health
- 26- Pharmaceutical factories and companies
- 27- Milk parlour
- 28- National research center
- 29- Animal health research institute
- 30- Animal reproduction research institute
- 31- Governmental and private universities
- 32- Veterinary hospital management
- 33- Veterinary extension
- 34- Animal by-product recycling
- 35- Plastination and museum techniques



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- 36- Diagnostic imaging
- 37- Advertising and marketing of pharmaceutical preparations.
- 38- Diagnostic genetic and genetic engineering
- 39- Tropical veterinary medicine
- 40- Diagnostic clinical toxicology
- 41- Forensic medicine agency
- 42- Camel production
- 43- Military and police academies.
- 44- Veterinary sera and vaccine research institute
- 45- Artificial insemination technology
- 46- Central laboratory of aquaculture research-Abbassa
- 47- Desert research institute.