المعايير القومية الاكاديمية المرجعية للدراسات العليا بالكلية

تم تجديد تبني المعايير الاكاديمية Academic standard بمجلس كلية بتاريخ ٢٠٢١/٢/٨

Zagazig University
Faculty of Veterinary Medicine

Veterinary Medicine Postgraduate Academic Standards

Introduction:

Since the postgraduate programs 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 programs 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 programs in February 8th, 2021. 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 programs in Veterinary Medicine

I- Diploma Degree

Postgraduate attributes:

The diploma of Veterinary Medical Sciences aims to

1. Prepare qualified graduates for the requirements of the veterinary and public health labor market.
2. Apply specialized knowledge acquired by the graduate to professional practice.
3. Develop the communication skills and work in a team.
4. Develop the professional skills of criticism and analysis based on scientific bases.

5. Develop the skills for identification and solving veterinary and related problems of the surrounding community and employment available resources
6. Develop the information technology skills.
7. Be aware of graduate role in community development and environment protection.
8. Consider the need for self-development and engagement in continuous learning.
9. Be qualified 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.

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 decision 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.

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

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 decision 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.

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- Mange 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- Master the skills and management of scientific research.

2- Work continuously for increasing knowledge in veterinary professional practice.

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

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

5- Be aware of current veterinary and public health problems and recent related approaches.

6- Master the identification of problems and finding solutions based on sound scientific research concepts.

7- Develop the appropriate use of modern techniques and applications for mastering a wide range of veterinary professional skills.

8- Develop the communication and IT skills effectively and leading the team.

9- Utilize efficiently the available resources and improving as well as offering new resources.

10- Make a decision based on available information.

11- Be aware of the postgraduate role in community development and environment protection.

12- Be committed to veterinary professional practice regulations and ethics.

13- Consider continuous, self-learning and experience transfer.

14- Plan and steer the progress of research projects

15- Master 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.

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 decision 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.

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 planets

7- Poultry and poultry products processing planets

8- Meat and meat products industry

9- Milk and milk products industry

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

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.