

## Programme Specification for Doctor of Philosophy Degree (2014- 2015)

### A- Administrative information:

- 1- Awarding Body: Al-Azhar University
- 2- Teaching Body: Faculty of Medicine
- 3- Department(s) responsible: Histology and Cytology
- 4- Final award: Doctor Degree
- 5- Program Co- coordinator: Prof. Dr.: Atif Ibrihium

### B- Professional information:

#### 1-Educational aims of the Programme:

- Provide graduates the opportunity to make histological slides in field of research, has the ability to examine under light microscope and electron microscope if necessary, also has the ability to write comment on his slides correctively and at the end learn how to write a **thesis**.

#### 2-Graduate attributes:

Graduate of PhD programme must be able to:

- 2.1. Mastery of the basics and methodologies of scientific research.
- 2.2. Continuous work for the addition of knowledge in the field of Histology.
- 2.3. Apply analytical and critical approach of knowledge in the field of Histology and relevant area.

- 2.4. Integrate the specialized knowledge with the relevant ones to discover and develop the relation between them.
- 2.5. Demonstrate a deep awareness of the ongoing problems and modern theories in the field Histology.
- 2.6. Identify of the Professional problems and find innovative solutions for them.
- 2.7. Mastery of a wide range of professional skills in the field of Histology.
- 2.8. Orientation towards the development of methods and tools as well as, new techniques for professional practice.
- 2.9. Use of appropriate technological means to serve his professional practice.
- 2.10. Communicate effectively and lead the team work in various professional contexts.
- 2.11. Decision-making using available information.
- 2.12. Employment and raising the available fund and work to find new resources.
- 2.13. Awareness of his role in the development of society and safe community.
- 2.14. Deposit in a manner reflecting the commitment to integrity, credibility, and the professional rules.
- 2.15. Commitment to self-continuous development and transfer of his knowledge and experience to others.

### 3-Programme outcomes:

#### 3.1. Knowledge and understanding:

At the end of PhD programme, the graduate must be able to understand and familiar for the following:

- 3.1.1. Theories and basics and modern knowledge in the field of Histology and the relevant areas.
- 3.1.2. Basics, methodologies and the ethics of scientific research as well as, its different tools.
- 3.1.3. Principles and basics of quality in professional practice in the field of Histology.
- 3.1.4. Knowledge related to his professional practice on the environment, methods for environmental development and its maintenance.

### 3.2. Intellectual skills:

On successful completion of this programme, the graduate will be able to:

- 3.2.1. Analyze and evaluate information in the area of specialization and analogies and inference from it.
- 3.2.2. Solve specialized problem based on the available data.
- 3.2.3. Apply research studies that adding new knowledge.
- 3.2.4. Writing a scientific paper.
- 3.2.5. Assessment of the risks in professional practice.
- 3.2.6. Planning to improve performance in the field of Histology.
- 3.2.7. Make professional decision in the different professional contexts.
- 3.2.8. Innovation/ Creativity.
- 3.2.9. Dialouge and discussion built on evidence.

### 4.3. Professional skills

Graduate must be attaining the capacity to:

- 4.3.1. Mastering basic and modern professional skills in the field of Histology.
- 4.3.2. Writing and evaluation of professional reports.
- 4.3.3. Evaluate and develop the methods and existing tools in the field of Histology.
- 4.3.4 .Use of technological means to serve the professional practice.
- 4.3.5. Planning for the development of professional practice and improve of the performance of others.

### 4.4. General and transferable skills:

Graduate must be having the ability to:

- 4.4.1. Effective communication of all kinds.
- 4.4.2. Use of information technology to serve the development of professional practice.

- 4.4.3. learn of others and evaluate their performance.
- 4.4.4. Self-evaluation and continuous learning.
- 4.4.5. Use of different sources for gaining information and knowledge.
- 4.4.6. Work in a team and lead team work.
- 4.4.7. Manage of scientific meetings and time.

#### 5-Teaching and Learning methods:

The program features a variety of teaching approaches for different intended learning objectives, including a combination of lectures, seminars, presentation, practical lab assignments.

The research experiment work and library work leading to write thesis.

#### 6-Assessments:

The programme depends on different assessment ways. Course assessment is made of three elements, written, practical and oral exams. These summative assessment measures to extent student are able to demonstrate knowledge and understanding of the above mentioned points. In addition to summative assessment provide regular feedback through teaching staff supervision comment on students' essay, seminar and class activity presentation.

#### 7- Programme Structure:

This is a 3 year programme. There are three courses run over a year. Two compulsory specialized courses, and the remaining one optional course from outside the specialization were determined by the student and the supervisors

The bulk of the second year is devoted to research experiments' and write of a thesis.

Duration of the programme (years): PhD degree from 3-5 years.

Program Structure:

Programme courses	Lecture (hour)	practical (hour)
1- Compulsory specialized course	2	2
2- Compulsory specialized course	2	2
3-Outside specialization course	2	2

#### 8. Programme Entrance Requirements:

The Applicant must normally satisfy the faculty of veterinary medicine- Benha University general entrance and requirement. The normal minimum entrance qualification for registration at the faculty on a PhD programme is at least one of the following:

- 1- Hold a Master degree in Histology science of one of the Egyptian universities or hold a degree in Medical science equivalent through the Supreme Council of Universities.
- 2- Applications with an appropriate technical qualification, or equivalent qualification and experience from overseas are also welcomed.

#### 9. Regulations for progression of programme

- a) Registration period for the PhD programme in medical science is at least 2 years after the approval date by the faculty council and it should not exceed a period of five years, an extension could be approved by the faculty council depending on the supervisor report that approved by the department council and postgraduate and research committee refers to the universities regulation law.
- b) - The Applicant should conduct the courses proposed by both department council and approved by postgraduate and research committee and faculty council and include,

three courses of the postgraduates stated in article (29) in regulation law list and the applicant will be entitled to apply for the exam only after meeting attendance rate for each course.

- c) -The applicant should pass written, practical and oral exams successfully in all courses, and the grade will be estimated according to one of the estimates stated in the article (34c).
- d) The Faculty council has the right to deprive the applicant from entering the exam if this attendance courses is less than 75%.
- e) Failure or depriving from entering one or more course did not requires re examination of successful passed courses.
- f) The applicant should conduct an innovate research on the subject that has been registered for at least 3 years from the date of registration approved by the faculty council. And the faculty council depending on a request from the supervisor has the right to authorize the student to do scientific experiments at recognized scientific institute.
- g) The applicant should pass qualifying Examination within 2-2.5 years after registration.
- h) The applicant should submit the thesis that accepted by the judging committee in an open discussion and the following policies should be met:
  - Pass all required courses.
  - Successfully pass qualifying Examination.
- i) Registration will be during March and September of each year.
- j) The applicant should submit a request enrolment for the Dean who forwards it to the concerned department council to determine the research subject and the programme courses and then approved by the faculty council.
- k) The thesis title should be identified before being submitted at least 2 months and the judging committee has the right to amend the title without prejudice the subject of research.

- l) The Faculty council has the right to suspend the student enrolment for a certain period if he has acceptable excuse preventing him from continuing his study or research, and his period will not counted within the period stated in article 16 and 20.
- m) Registration will be cancelled in one of the following cases:
  - If the supervisors report during the registration period is unsatisfactory (2 reports).
  - If he did not submit his thesis before the end of registration period.
  - If the judging committee rejected the thesis twice.
- n) The applicant should submit 10 copies of the thesis after its validity approved by the judging committee to be distributed to the committee members and faculty library and the judging committee can decide the exchange of the thesis with other universities or printing at the expense of the university.

10-Marking scale for courses as follow:-

Excellent----->	85
Very good----->	75
Good----->	65
Pass----->	50
Fail-----<	<b>50</b>

### 11-Programme completion:

- Successfully pass the required courses.
- Successfully pass Qualifying examination.
- Approved completion of the research experiments.
- Successfully pass of thesis open defense examination.

### Evaluation of programme outcomes

Code	Evaluator	Tools	Sample based in number
I	Postgraduate students	Questioners	20%
2	Stakeholder	Questioners & Open discussion	10
3	Alumni	Questioners &	15
4	External examiners	Questioners	5
5	External evaluators	Questioners & Open discussion	5

Date of production and revision: October 2014