



**JINNAH SINDH MEDICAL UNIVERSITY
APPNA INSTITUTE OF PUBLIC HEALTH
&
INSTITUTE OF MEDICAL EDUCATION**

**PROSPECTUS FOR
DOCTOR OF PHILOSOPHY IN HEALTH PROFESSIONS
EDUCATION (PhD-HPE)**

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Rafiqui H.J Shaheed Road Karachi, Sindh, Pakistan

P.O Box 75510

BACKGROUND

Health care is a rapidly evolving field with growing technological advancement amid calls for better management of resources and social accountability. Preparation of competent health professionals equipped to deal with the fast changing healthcare scenario is a challenging task and has prompted qualifications in medical/health professions education around the globe with a number of Universities offering Master and Doctoral programs in this field.

In the past decade, Pakistan witnessed an emerging interest in specialization in medical/nursing/health professions education with introduction of master level qualifications in the country. The first program was initiated in 2006 and now there are ---- programs being offered all over the country.

With a critical mass of professionals qualified in the philosophical underpinnings, principles and updates in the field of health professions education, it is now an apt time to move to the next step and offer a doctoral program. This will immensely facilitate research and education of healthcare professionals as doctoral programs are pivotal for scholarly advancements and innovations in any field. Graduates of the master programs have also expressed a desire to pursue doctoral studies, however, currently no program is being offered within the country and almost all international programs are out of reach of our healthcare professionals due to the huge fee structure and requirement of onsite studies for at least two years. It is therefore imperative that a quality PhD program in health professions education (PhD-HPE) be offered in Pakistan.

A. INTRODUCTION OF THE PhD PROGRAM

The PhD-HPE program offered by the Jinnah Sindh Medical University (JSMU) is poised to provide excellent opportunities to aspiring educational researchers to develop their creativity, critical inquiry, negotiation skills, professionalism and expertise in research of practical relevance to the local and international health professions community.

The conceptual model guiding the PhD-HPE program is that of the scientist-educator having an advanced educational, research, and leadership orientation. The program is aimed to maintain a balance of coursework, research, and educational practice.

The Ph.D. program comprises of course work and research. The program may be completed in a minimum of 3 and maximum of 5 years. All the required coursework and elective/specialized courses will have to be completed in the first two years. The required 18 course credits may be accrued by taking 3 core courses and 3 elective/specialized courses. The candidates will have to complete any remaining/dropped/remedial courses within four years of starting the program. In a situation where the candidate drops a course or a semester s/he will have to wait for the next semester to complete the required courses and then s/he can graduate. To continue in the program a minimum GPA of 3.0/4.0 will have to be maintained by the students. The program has been developed keeping in view international standards as well as prevailing standards of the Higher Education Commission, Pakistan.

B. PROGRAM OUTCOMES

The PhD-HPE program aims to prepare its graduates to:

- demonstrate expert understanding of theoretical knowledge and to reflect critically on that theory and practice;

- use intellectual independence to think critically, evaluate existing knowledge and ideas, and undertake systematic investigation;
- conduct high quality research and communicate it to scholarly and other audiences;
- demonstrate clarity of vision and initiatives for research and education of health professionals;
- engage in service and outreach that enhances scholarship and its public impact; and
- lead in a variety of settings, including universities, industry, government advisory boards, and think tanks

C. ADMISSION REQUIREMENT

1. Sixteen years of schooling/4-year education after F.A./F.Sc.
2. MHPE or Master/MSc Medical Education or equivalent qualification in health professions education recognizable with PM&DC.
3. The minimum CGPA corresponding to B or First Division in the Master Degree.
4. Work experience of three years or more in department of health professions/medical education
5. Application form complete with all requirements.
6. Three letters of reference, of which two must be academic.
7. A score of 70% in the admission test.
8. A pass in the interview.

D. PROGRAM STRUCTURE

Minimum duration for PhD Medical Education will be three years. Course work of 18 credit hours in the first two years is required to be completed and followed by a comprehensive examination for granting candidacy as PhD researcher. The program encourages top-quality research output and academic networking in the form of active participation at national or international conferences. Students will be required to do research-based assignments and publish at least two articles in indexed journals before their thesis defence.

1. Course Work

1.1. Compulsory subjects (09 Credits)

- Contemporary issues in Education
- Research in Health Professions Education
- Psychometrics

1.2. Specialized Courses (09 Credits)

Students will be required to choose 03 courses from those listed below

- Comprehensive Meta analysis
- Educational Leadership
- Innovations in Curriculum Design
- Evaluation of Educational Programs
- Learning and Assessment
- Technology and Education

- Inter professional Education

2. Electives

Students may elect to take additional courses which benefit their needs and interests. **Note:** All course work must be completed prior to the PhD Candidacy Examination.

3. Seminar

Students are required to attend the weekly Medical Education Journal Series and seminar.

4. Candidacy

During the first two years, the candidates will have to defend their synopsis in front of the scientific committee and then get approval from IRB of JSMU.

5. Comprehensive Examination

After completion of the course work, the candidates will have to successfully complete the Comprehensive Examination by the end of the second year. This examination consists of submission of two research-based papers and an oral examination on them. The areas for the two papers will be relevant to the chosen area original research and will be assigned by the supervisory committee members.

6. Enrolment/Registration in Courses

Students are required to select the courses they wish to enrol in prior to the start of the semester with the advice of the advisor. The students may make any change (add/drop) in the courses within second week of the semester and complete all relevant procedures. No drop and add will be allowed after the third week of the semester.

7. Thesis

After candidacy and approval of synopsis from IRB and ASRB of JSMU the PhD candidates will begin work on their thesis (literature review, data collection, development and synthesis of results and discussion) under faculty supervision.

Students shall prepare a Thesis on a topic related to priority issues in health professions education in Pakistan. The thesis will be in the area of specialization and should be adding to science with innovative research question that has not been researched before. The thesis shall be in form of research dissertation and must contain not less than **35,000 words** (not including appendices and references) and not more than **50,000 words**. Thesis guidelines will be shared with the student by the end of First year.

7.1. Thesis submission and Evaluation

- Candidates must submit 3 loosely bound copies of the thesis at the office of the Advance Studies and Research Board (BASR) after completion of thesis work
- All the copies should be signed by supervisor, co-supervisor (if any) and the program director
- Along with the thesis copies, the student should also submit letter from supervisor suggesting:
 - *Eight names of subject specialists in the relevant field of research/discipline from within and out of the country, (preferably outside of Sindh for evaluation of thesis).*

➤ *Five names of subject specialists in the relevant field of research/discipline preferably from Sindh for thesis defence.*

- The deposited slip of the payment of Rs. 50,000/- for thesis review and defence
- The Ph.D. thesis document will be evaluated by at least two Ph.D. experts from technologically/academically advanced foreign countries in addition to local Committee members.

7.2. Thesis Defense

After approval from the examiners, the candidate will be given a date to defend the Thesis in front of *Thesis Defense Committee* comprising of:

- *Vice Chancellor or his representative from the list of Pro-Vice Chancellor/Deans/Principals as Neutral Chair*
- *Internal examiner from JSMU (Decided by the ASRB)*
- *Two External examiners (Decided by the ASRB)*
- *Post-graduate committee member(s) (Observer)*
- *Supervisor (Observer, could interfere with the permission of Neutral Chair)*
- *Co-Supervisor(s) (Observer)*

E. SUPERVISION

An advisor will be assigned to each student upon admission. The advisor and the student will together develop a flexible comprehensive plan of study to be implemented in each semester. The advising file will be updated each semester and will include copies of transcripts and GPA earned. The supervisor may be changed with mutual agreement, if needed with the consent of the PhD program director.

If a student is dissatisfied with the level of supervision, he/she may file a grievance report with the program director. The program director will then do the needful. The grievance form may be downloaded from the JSMU website.

A maximum of five Ph.D. students will be under the supervision of one full time faculty member. This may be increased to eight under special circumstances with prior approval of the Higher Education Commission (HEC).

F. ASSESSMENT AND EVALUATION

Assessment will be done during and at the end of each course and marks/grades will be given in each course. Students will be required to pass all the courses in a semester with a minimum of 60% marks (or equivalent grade) combining the midterm and end of term evaluation.

During a semester there will be:

- At least one continuous assessment test
- An end of semester examination
- The mode and manner of the examination will be determined by the faculty/departments concerned and approved by the relevant boards
- The continuous assessment tests will count towards the end of semester examination grade

If a student fails a course in any semester (examination + Continuous assessment), s/he will have to repeat the course (with course fees and examination fees) and if still fails on repeating course, s/he will be removed from the program.

An incomplete grade will be awarded by the faculty only in exceptional cases beyond the control of a student such as serious accident, family tragedy, and serious health ailments, etc.

A student with a 'C' grade in **one subject** can repeat the course once to improve the grade. In such case both the course and grade obtained will be recorded on the transcript, however, only the better grade shall be calculated in the CGPA. In this case, it would be recorded with (Imp) on the transcript.

G. ATTENDANCE

A minimum attendance of more than 75% in a course is required to sit the final assessment for that course. The course faculty may report a student's absences and the student may be placed on attendance probation by the head of the department. A student may be dropped from the University for violating the terms of such probation.

H. ANNUAL PROGRESS REPORT

Each PhD student will be required to submit an annual progress report. An approved progress report will be a necessary prerequisite for the activation of enrolment for the next academic year.

The progress report should reflect the courses completed/research progress made during the past academic year and/or broach future research initiatives. The recommended length of this report is 1-2 pages.

Progress reports should be submitted every year between 1 April and 30 June.

GPA Awards: As per JSMU policies in line with HEC and PM&DC

I. EXAMINATION REGULATIONS

General university examinations regulations on registration for Examination, eligibility for Examinations, absence from examination irregularities, procedures for appeals and preservation of scripts will remain as stipulated in the Jinnah Sindh Medical University (JSMU) policies.

J. FEE STRUCTURE FOR PhD PROGRAM

(Local/Nationals Candidates)

Dues to be paid to the University

Semester I & II (Year one)		
S #	Particulars	Amount Pak Rupees for one year
1	Application and entrance test fee	2,500.00
2	Admission fee	30,000.00
3	Tuition fee per Semester Rs.152,500/=	305,000.00
4	Enrollment	2,000.00
5	RFID (Student Identity Card)	1,000.00
6	Examination Fee per Semester Rs. 2,500/=	5,000.00
7	Caution money (Refundable)	25,000.00
Total		3,72000.00
5 % Advance Income Tax		18,600
Grand Total		3,89,025.00
Semester III & IV (Year two)		
1	Tuition fee per Semester Rs.152,500/=	305,000.00
2	Examination Fee per Semester Rs. 2,500/=	5,000.00
Total		310,000.00
5% Advance Income Tax		10,500.00
Grand Total		320,500.00
Candidacy Examination Fee		As per JSMU policy
Semester V & VI (Year three)		
1	Tuition fee per Semester Rs.102500/=	205,000.00
2	Examination Fee per Semester Rs. 2500/=	5,000.00
Total		210,000.00
5% Advance Income Tax		10,500.00
Grand Total		220,500.00
Total Fee for three years if the candidate defends		930,025.00
Continuation fee from 4th year onwards		
1	Tuition fee per Semester Rs.80,000/=	160,000.00
2	Examination Fee per Semester if courses have to be taken Rs. 2500/=	5,000.00
Total		165,000 .00
5% Advance Income Tax		8,250.00
Grand Total		173,250.00
Thesis Examination fee		As per JSMU policy

K. TEACHING METHODS AND MATERIALS

Learning Process

- Lectures
- Workshops
- Group work
- Tutorials
- Assignments
- Presentations
- Seminars
- Journal Club

Learning Materials

- Flip Charts
- Pin boards
- Small cards
- Over head projector
- Computers/laptops

FULL TIME FACULTY

<p>Dr. Lubna Baig MBBS, MPH, FCPS, PhD in Medical Education Professor and Dean AIPH</p>	
<p>Prof. Syeda Kauser Ali Chairperson, IME MBBS, MHPE, PhD in Medical Education</p>	
<p>Dr. Nazeer Khan MSc, BSc, PhD in Statistics Professor and Director Research</p>	

ADJUNCT FACULTY

International and National Faculty in Health Professions Education