



# POSTGRADUATE STUDENT RESEARCH HANDBOOK

2020-21

MEDICAL RESEARCH CENTRE

LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

# Introduction

Research is the backbone of all institutions. Advanced countries claim to be advanced because of their research development which in turn make them modernized as well as help them in generating their revenue. Medical universities play pivotal role in health care development all around the world. Starting from surveys to predict upcoming health issue till development of novel drugs and diagnostic techniques.

Post-graduate students are the main strength of any institution. Here we present guideline and structure of your research curriculum which will help you to achieved milestones of your degree program.

## **Faculty**

Research faculty at MRC will be responsible for course work / workshops and overall supervision of the projects. Research Volunteers from faculty will be trained and appointed as mentors for project designing and management in co-ordination with Director Academics, Director PGMC and Director MRC. However clinical/ primary supervisors will be principal investigator for the research grant applied.

## Two year programs

This program is applicable to all programs of two years duration eg. M.Phil.

Year 1

- Research training
- Synopsis approval
- Research work completion

Year 2

- Finalise research work
- Publication of at least Y category article



Schedule of the Post-graduate research program- 2 year program												
	Mo1	Mo2	Mo3	Mo4	Mo5	Mo6	Mo7	Mo8	Mo9	Mo10	Mo11	Mo12
<b>Year 1</b>												
Synopsis writing workshop												
Submission of synopsis												
Approval of synopsis												
Research Methodology workshop												
Communication skills workshop												
SPSS workshop												
Completion of data collection												
<b>Year 2</b>												
Compiling of data/ analysis												
Thesis writing workshop												
Manuscript writing workshop												
Publication of Y category publication												



## Four & Five year Programs

The program includes all including MS, MD and sub-specialty degree programs.





<b>Schedule of the Post-graduate research program- 4 years program</b>												
	Mo1	Mo2	Mo3	Mo4	Mo5	Mo6	Mo7	Mo8	Mo9	Mo10	Mo11	Mo12
<b>Year 1</b>												
Synopsis writing workshop												
Submission of synopsis												
Approval of synopsis												
Research Methodology workshop												
Communication skills workshop												
SPSS workshop												
Completion of data collection												
<b>Year 2</b>												
Data collection												
Academic writing workshop												
<b>Year 3 and 4</b>												
Compiling of data/ analysis												
Thesis writing workshop												

Manuscript writing workshop												
Publication of X category publication												



### 1. **Responsibility of Candidates**

- The candidate shall pursue her/his training at LUMHS according to the curriculum.
- He/she will have to attend all mandatory workshops failing which the examination form will not be accepted (where applicable).
- Each workshop is designed for particular stage of their training requirements thus that needs to be completed within specified period of time.
- The registrations for the workshop can be downloaded from:  
<https://www.lumhs.edu.pk/oric/>

### 2. **SYNOPSIS WRITING**

- i. Selection of the topic for Research protocol/synopsis shall be completed within three months of admission in the course with the consultation of supervisor is mandatory. No synopsis shall be accepted after 12 months of commencement of training. The synopsis must be approved within one year of its submission.
- ii Research faculty and primary supervisor will provide technical support in writing synopsis. Technical review of the synopsis will be conducted at MRC before proceeding for ERC approval.

### 3. **Research grant**

- i. All post-graduate will be working on a research project, in case if funds are required then Supervisor will serve as the Principal investigator in collaboration with PhD faculty at MRC.

### 4. **Publication of research work**

All post-graduates are strictly advised to publish a manuscript out of their research project before appearing in the final exam. For publication of the manuscript MRC/ORIC will provide all the technical support.

## Contacts at MRC:

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