DEPARTMENT OF PHARMACY

LAHORE COLLEGE FOR WOMEN UNIVERSITY, LAHORE

SELF-ASSESSMENT REPORT

M.Phil (PHARMACY PRACTICE)

Submitted to

Quality Enhancement Cell,

Lahore College for Women University, Lahore

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T A B L E   O F   C O N T E N T S

Standard 4.1	
Standard 4.2	
Standard 4.3	
Criterion 5: Process Control	
Standard 5.1	
Standard 5.2	
Standard 5.3	
Standard 5.4	
Standard 5.5	
Criterion 6: Faculty	
Standard 6.1	
Standard 6.2	
Standard 6.3	
Criterion 7: Institutional Facilities	
Standard 7.1	
Standard 7.2	
Standard 7.3	
Criterion 8: Institutional Support	
Standard 8.1	
Standard 8.2	
Standard 8.3	
Appendices	

CRITERION 1: PROGRAM MISSION, OBJECTIVES AND OUTCOMES

Standard 1-1: The globally recognized profession of Pharmacy is an essential and integral part of National Health Care system of any country. This profession is concerned with the Art and Science of preparation of drugs followed by safe delivery and rational use. In present era, pharmacists do much more than to dispense medications. They are front line healthcare professionals involved in numerous aspects of patient care.

Objective of Programme:

1. To develop a cohesive research strategy which may assist the pharmacy practice researchers in designing, monitoring and implementing clinical studies and intervention studies.
2. To educate students about innovative patient safety techniques to enhance their clinical skills

3. To learn application of biostatistics in research and relevant fields

Outcome :
Production of professionally skilled females for health care system, Academia, Regulatory affairs & pharmaceutical Research

- . Table 4.1 provides a format for program objectives assessment.

Objectives	How Measured	When Measured	Improvements Identified (Based on outcome Examination)	Improvements Made
1	1 year research project	At the end the semester III and IV	Need of sound research methodologies Designing of project according to society needs	Implementation of Proposal defence before initiation of research Doctoral Committee evaluation of project
2	Case studies	Weekly (During semester)	Need of more practical exposure	Hospital visits Participation of students in different clinical camps

3	Practically problem solving	Weekly (during semester)	Need of Monthly test session	Implementation of two tests during semester

Table 4.1 Program Objectives Assessment

Standard 1.2:

Program Objectives	Program Outcomes			
	1	2	3	4
1	*	-	-	-
2	*	-	-	-
3	*	-	-	-

Table 4.2: Outcomes versus Objectives

Legend: *Denotes **Substantial** Contribution to the objectives

◊ Denotes **Moderate** Contribution to the objectives

Denotes**No** Contribution to the objectives

Standard 1.3: The results of program's assessment and the extent to which they are used to improve the program must be documented.

Describe the actions taken based on results of periodic assessments.

- Establishment of Pharmacy Practice Lab
- Professional training
- Workshops and seminars

Standard 1.4: The department must assess its overall performance periodically using quantifiable measures.

1.4.1 Performance Measures:

Table 3: No. of Students Enrolled

Program	Session	No. of Students
M.Phil (Pharmacy Practice)	2017-2019	19

ii)   Table 4: **Student-Faculty Ratio**

Year	No. of Students	No. of Faculty Members	Student-Faculty ratio
2017-2019	19	5	1:4

iii)   Table 5: **No. of Students Passed Out**

Program	Passing out Year	No. of Students
M.Phil Pharmacy Practice	2018	14

IV)   Table 6:**Percentage of Honor Students & Attrition Rate**

Year	%age of Honor Students **Criteria:** CGPA 3.75 and above	Attrition Rate (Admitted –pass out) *100 Admitted
2017	14	33.3%

v)   Table 7: **Faculty Training, Seminars and workshops (Appendix A)**

Year	No. Of Trainings, Seminars and workshops
2018	6 (appendex A)

vi)   **Papers Published at National & International Level**

Table 8: **Number of Publications (Appendix B)**

Year	Papers published
2017	List attached

vii) <u>**Books in Library**</u>

Approx. 150

Research Areas

The Faculty is involved in research in the following areas:

- Observational and Interventional studies in acute and chronic diseases

- Health professional based research

- Community based research projects

<u>**Departmental Achievements (others)**</u>

- HEC SRGP grant won by Dr.Yusra

- ISPOR travel grant to Japan won by Dr.Yusra

<u>**Honors and Awards**</u>

- HEC SRGP grant won by Dr.Yusra

- ISPOR travel grant to Japan won by Dr.Yusra

<u>**CRITERION 2: CURRICULUM DESIGN AND ORGANIZATION**</u>

Provide the following information about the program's curriculum:

A. M.Phil Pharmacy Practice

B. 36 credit hrs

C. Degree plan: scheme of studies

REVISED SCHEME OF STUDY

M.Phil (2 year) Pharmacy Practice

2019-2020 and onward

(Semester System)

YEAR-I

SEMESTER –I

Course No.	Course Title	Credit Hours
CC/M.Phil-501	Bio Statistics	2(2+0)
PPRAC-502	Health Care	2(2+0)
PPRAC-503	Pharmaceutical Care Plan	3(3+0)
PPRAC-504	Clinical Pharmacy&Pharmacotherapeutics-I	3(3+0)
PPRAC-505	Pharmacy Practice Lab-I	2(0+2)
	Total Credit Hours	**12**

SEMESTER-II

Course No.	Course Title	Credit Hours
CC/M.Phil-502	Research Methodology	2(2+0)
PPRAC-506	Pharmacy Informatics	3(3+0)
PPRAC-507	Clinical Pharmacy &Pharmacotherapeutics-II	3(3+0)
PPRAC-508	Clinical Pharmacokinetics (Dose Indivdualization)	2(2+0)
PPRAC-509	Pharmacy Practice Lab-II.	2(0+2)
	Total Credit Hours	**12**

YEAR-II

SEMESTER –III & IV

Course No.	Course Title	Credit Hours
PPRAC-601	Research & Thesis-I	06
PPRAC-602	Research & Thesis -II	06
	Total credit Hours	**12**

Total Credit Hours: 12+12+12+=36 CR

Table 4.3 **Curriculum course requirements:**

Standard 2.1: The curriculum must be consistent and supports the program's documented objectives.

Curriculum is consistent and supports the program's documented objectives

Standard 2.2: Theoretical background, problems analysis and solution design must be stressed within the program's core material

Table 13: <u>Elements of Courses</u>

Elements	Courses	No of Courses
Theoretical background	Clinical Pharmacy, Pharmacy informatics, interpersonal and interprofessional Communication , Health Care	4
Problem solving	Pharmacy Practice Lab I & II,Clinical Pharmacokinetics, Research methodology, Biostatistics	5
Solution design	Lab data interpretation , Pharmaceutical Care Plan	2

Standard 2.3: The curriculum must satisfy the core requirements for the program, as specified by the respective accreditation body.

Curriculum satisfies the core requirements for the program, as specified by HEC and PPC

Standard 2.4: The curriculum must satisfy the major requirements for the program as specified by the respective accreditation body.

The curriculum satisfies the major requirements for the program as specified by HEC

Standard 2.5: The curriculum must satisfy general education, arts, and professional and other discipline requirements for the program, as specified by the respective accreditation body/council.

The curriculum satisfies general education and professional requirements for the program, as specified by the HEC & PPC

Eligibility criteria:
- Students with Pharm D. degree (5yrs Programme) with minimum 60% marks are eligible.
- All other requirements as per university policy (for Ms , M.phil admissions)

Standard 2.6: Information technology component of the curriculum must be integrated throughout the program.

- Pharmacy informatics
- Biostatistics
- Lab data interpretation

Standard 2.7: Oral and written communication skills of the student must be developed and applied in the program.

- Oral Presentation skills
- Assignment writing skills

CRITERION 3: LABORATORIES AND COMPUTING FACILITIES

Standard 3.1: Manuals/documentation/instructions for experiments must be available and readily accessible to faculty and students.

- Manuals/documentation/instructions for experiments are available and readily accessible to faculty and students.

Standard 3.2: There must be adequate support personnel for instruction and maintaining the laboratories:

- Laboratory attendants are available

Standard 3.3: The university computing infrastructure and facilities must be adequate to support program's objectives:

- Adequate computing facilities

CRITERION 4: STUDENT SUPPORT AND ADVISING

Standard 4.1: Courses must be offered with sufficient frequency and number for students to complete the program in a timely manner:

- Sufficiently available

Standard 4.2: Courses in the major area of study must be structured to ensure effective interaction between students, faculty and teaching assistants:

- Presentations, quiz, interactive sessions and assignments

Standard 4.3: Guidance on how to complete the program must be available to all students and access to academic advising must be available to make course decisions and career choices:

- Class coordinators and other faculty members inform, advice and counsel students about Programme requirements

CRITERION 5: PROCESS CONTROL

Standard 5.1: The process by which students are admitted to the program must be based on quantitative and qualitative criteria and clearly documented. This process must be periodically evaluated to ensure that it is meeting its objectives:

- Programme Admission criteria are given by HEC and Pharmacy Council of Pakistan

Standard 5.2: The process by which students are registered in the program and monitoring of students' progress to ensure timely completion of the program must be documented. This process must be periodically evaluated to ensure that it is meeting its objectives:

- Students are registered in the programme based upon criteria given by Pharmacy Council and HEC
- Academic progress is monitored through examination and presentations

Standard 5.3: The process of recruiting and retaining highly qualified faculty members must be in place and clearly documented. Also processes and procedures for faculty evaluation, promotion must be consistent with institution mission statement. These processes must be periodically evaluated to ensure that it is meeting its objectives:

- HEC and Pharmacy Council of Pakistan appointment criteria are strictly followed for hiring of faculty members.

Standard 5.4: The process and procedures used to ensure that teaching and delivery of course material to the students emphasizes active learning and that course learning outcomes are met. The process must be periodically evaluated to ensure that it is meeting its objectives:

- Students are evaluated by periodic Test session , Quiz and final assessment

Standard 5.5: The process that ensures that graduates have completed the requirements of the program must be based on standards, effective and clearly documented procedures. This process must be periodically evaluated to ensure that it is meeting its objectives.

- Students are evaluated by periodic Test session , Quiz and final assessment

CRITERION 6: FACULTY

Standard 6.1: There must be enough full time faculty who are committed to the program to provide adequate coverage of the program areas/courses with continuity and stability. The interests and qualifications of all faculty members must be sufficient to teach all courses, plan, modify and update courses and curricula. All faculty members must have a level of competence that would normally be obtained through graduate work in the discipline. The majority of the faculty must hold a Ph.D. in the discipline:Complete the following table indicating program areas and number of faculty in e

Program Area of Specialization	Courses in the Area and Average Number of Sections per Year	Number of faculty Members in Each Area	Number of Faculty with Ph. D Degree
Pharmacy Practice	5 / semester	5	2
Bio statistics	1/semester	1	1
Total	6/semester	6	3

Table 4.6: Faculty Distribution by Program Areas

Standard 6.2: All faculty members must remain current in the discipline and sufficient time must be provided for scholarly activities and professional development. Also, effective programs for faculty development must be in place:

- Faculty development programmes are conducted routinely at the departmental and university level . various trainings workshops and seminars conducted by DFDI are very effective for faculty development
- Faculty programmes are evaluated by QEC and results are used for further evaluation

Standard 6.3: All faculty members should be motivated and have job satisfaction to excel in their profession:

- Promotion and research incentive
- Faculty surveys conducted by QEC

CRITERION 7: INSTITUTIONAL FACILITIES

Standard 7.1: The institution must have the infrastructure to support new trends in learning such as e-learning

Internet facility available to the students
Access to HEC digital library

Standard 7.2: The library must possess an up-to-date technical collection relevant to the program and must be adequately staffed with professional personnel:

- Adequate number of books on each subjects in library collection .

Standard 7.3: Class-rooms must be adequately equipped and offices must be adequate to enable faculty to carry out their responsibilities:

- Separate classroom available for M.Phil.
- Adequate facilities available

CRITERION8: INSTITUTIONAL SUPPORT

Standard 8.1: There must be sufficient support and financial resources to attract and retain high quality faculty and provide the means for them to maintain competence as teachers and scholars:

- Adequate secretarial support, technical staff and office equipment
- Payment / credit hr. taught

Standard 8.2: There must be an adequate number of high quality graduate students, research assistants and Ph.D. students:

N.A

Standard 8.3: Financial resources must be provided to acquire and maintain Library holdings, laboratories and computing facilities:

Financial resources are managed from .Phil evening budget