

Training Plan: Clinical Pharmacy Clerkship & Internship

Clinical Pharmacy Clerkship Training

- **Outcome of the Training Program:**

- *Real-World Preparedness:* Equipping graduates to handle clinical scenarios, monitor pharmacotherapy-related clinical outcomes, and address complications.
- *Medication System Navigation:* Safely navigating pharmacy informatics, order validation, safety principles, and sterile/non-sterile product handling.
- *Pharmacist Care Practices:* Conducting patient assessments, follow-ups, and identifying, resolving, and preventing drug-related problems.
- *Research Project Completion:* Developing skills in project management, organization, critical literature appraisal, data analysis, evaluation, and scientific presentation.
- *Clinical Knowledge & Monitoring:* Managing patient cases across hospital units (e.g., pediatrics, cardiology, psychiatry, pulmonology, dermatology, gynecology), performing dose adjustments in hepatic/renal impairments, and tracking drug-drug interactions.

- **Training**

Locations:

Practical clinical training is conducted through formal Memorandums of Understanding (MoUs) with well-developed medical teaching institutions and tertiary care hospitals, including:

- Hayatabad Medical Complex (MTI), Peshawar
- Northwest General Hospital, Peshawar
- Rehman Medical Institute, Peshawar

- **Description of Training Program & Evaluation:**

- *4th Professional Pharm-D:* 150 contact hours in hospital settings focusing on patient case monitoring and drug-related problem identification, supplemented by departmental lab work (2 hrs/week). Evaluated via external examiner assessment of collected cases, written papers, and viva-voce (Total: 100 Marks).

- *5th Professional Pharm-D*: 200 contact hours in hospital settings involving medical rounds, hospital management systems (HMIS), weekly case presentations, and a clinical pharmacy research project. Evaluated objectively by external examiners on research report completion, literature appraisal, data interpretation, and presentation skills (Total: 100 Marks).

Pharmacy Practice Experience/ Internship (PPEI)

- **Overview:**

A mandatory **3-credit-hour** Field Experience / Pharmacy Practice Experience / Internship (PPEI) spanning **6–8 weeks (total 350 hours)** is required for the award of the Pharm-D degree. It can be performed across diverse tracks including Hospital/Clinical Pharmacy, Community Pharmacy, Pharmaceutical Manufacturing, Regulatory Affairs, and Pharmaceutical Sales & Marketing.

- **Assessment Criteria (100 Marks Total):**

- *Core Competencies (70 Marks)*: Evaluates Professionalism (10), Communication Skills (10), Documentation (10), Teamwork (10), Problem-Solving & Critical Thinking (10), Self-Directed Learning (10), and Professional Conduct (10).
- *Site-Specific Competencies (30 Marks)*: Tailored specialized evaluations corresponding directly to the student's placement track (Clinical, Hospital, Community, Manufacturing, Regulatory, or Sales & Marketing).
- *Overall Component Weighting*: Preceptor Attendance & Professionalism (15%), Core Competencies (30%), Site-Specific Competencies (20%), Logbook (15%), Case Presentation/Seminar (10%), and Viva Voce (10%).